

*Technical Report*

## India's Coverage in COMPENDEX Plus in 1990 and 1994 : An analysis

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Date:

## ***Abstract***

*Discusses the results of the study on India's coverage in COMPENDEX Plus bibliographic database in 1990 and 1994. Type of documents, language, journals used by the Indian engineers & technocrats and individual institutional players in the field of engineering and technology are discussed in detail.*

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## **1. INTRODUCTION**

NISSAT has undertaken a project to analyze various international databases with an objective to draw science map of India. As a part of this study, the NISSAT has sponsored a project to DRTC to study & analyze a database on Engineering Sciences. The COMPENDEX plus bibliographic database is considered for this purpose. The main objectives of this study are to find out

- ▶ India's share in global engineering literature
- ▶ Journals used by Indian Engineers/Researchers in engineering and related subjects
- ▶ Contributions of various institutions in India
- ▶ The kind of documents published in engineering field

*In order to achieve these objectives, the following set of analyses were attempted :*

### **Analysis of Journals**

Journals are analyzed according to

- number of articles they contain
- their Impact Factors
- country of origin
- subject fields

### **Analyses of Institutions**

Institutions are grouped according to

- number of articles they publish
- type
- city and states

### **Subject wise Analyses**

### **Language wise Analyses**

### **Analyses according to**

- document type, and
- treatment of the record in the bibliographic database

For various reasons - - particularly due to the limited budget as well as due to the time constraints, it was decided to analyze the COMPENDEX database for the years 1990 and 94 only.

## **2. COMPENDEX PLUS**

The COMPENDEX Plus is published by K. R. Information Systems, USA. The COMPENDEX Plus is a bibliographic database and it covers world's significant Engineering and

Technological literature. The COMPENDEX plus is the most comprehensive, multi-disciplinary *engineering reference tool*. Two publications from the Engineering Information Inc; The Engineering Index and The Engineering Meetings are merged into the COMPENDEX plus in Jan 1988 (file 8) to facilitate one step searching. The COMPENDEX plus has a world wide coverage of approximately 4,500 journals, technical reports, books, engineering society publications, conference papers, standards, reviews, preprints etc., From 1970 to April 1997, it has about 3,924,000 bibliographic records. The Ei COMPENDEX plus is updated weekly.

## 2.1 SUBJECT COVERAGE

It covers almost all branches of engineering. The following are some of the branches covered in COMPENDEX plus

- Aeronautical and Aerospace Engineering*
- Environmental Engineering*
- Applied Physics*
- Energy Technology*
- Transportation Engineering - - Petrol Engineering, Automotive Engineering*
- Engineering Management*
- Bio Engineering and Medical Equipment*
- Industrial Engineering*
- Chemical Engineering*
- Ceramics and Polymers*
- Mining and Metallurgic Engineering*
- Food Technology*
- Material Science*
- Civil and Structural Engineering*
- Library and Information Science*
- Electronic, Computer and Communication Engineering*
- Mechanical Engineering*
- Light and Optical Technology*
- Electrical, Instrumentation and Control Engineering*
- Marine Engineering - - Naval Architecture, Ocean and under water technology*
- Architecture, Power Engineering and Technology*
- Agriculture and related topics*
- Mathematics and related topics*
- Communication Engineering Technology*
- Nuclear Engineering and Robotics etc.,*

## 2.2 SEARCHING

The COMPENDEX Plus has a well built search engine. The COMPENDEX plus can be searched either using "prompt search" or using "easy menu search".

**2.2.1 Prompt Search:** This type of search has to be conducted at "?" prompt. Searches can be made under the categories journal search, conference search, subject heading and classification number searches etc.,

a) **Journal Search :** This search has sub options such as journal name, publication year, journal announcement and ISSN. For example:

Journal Name

Ex. S JN = Abrasive Engineering Society Magazine

Publication year

Ex. S PY = 1990

Journal Announcement

Ex. S JA = 8610

International Standard Serial Number (ISSN)

Ex. S ISSN = 0195-0932

● b) **Conference Search :** Conference search has options like conference date, conference location, conference title and conference sponsor. For example:

Conference Date

Ex. S CD = 1990

Conference Location

Ex. S CL = (New Orleans and LA)

Conference Title

Ex. S CT = Proceedings of the Symposium on Studies of Electron  
Distributions in Molecules and Crystals

Conference Year

Ex. S CY = 1990

Conference Sponsor

Ex. S SP = IEEE



c) Subject headings and classification number search : This category is the most preferred search option among researchers. It has sub options like descriptors, identifiers, classification codes and classification headings. For example :

Descriptors

Ex. S Ceramic Materials /DE

Identifiers

Ex. S Abrasive Products /ID

Classification Codes

Ex. S CC = 812.1

Classification Headings

Ex. S CC = Ceramics

COMPENDEX Plus database can also be searched using Author Name, Author Affiliation, Title, terms in abstract, Dialog Accession Number, Language, Source, Treatment Code, ISBN, CODEN, Document Type, Ei Monthly Abstract Number, Ei Yearly Abstract Number, etc., For example,

d) Author Name or Author Affiliation

Ex. S AU = Visser, R.G

S CS = 3M Co

e) Title

S Grubdubg with Flexible superabrasive products /Ti

f) Abstract

S The Grinding of ceramics /AB

g) Dialog accession Number

S AN = 03803201

h) Language

S LA = English

I) Source

S SO = Building Research and Practice

j) Treatment Code

S TC = Theoretical

- k) ISBN  
S BN = 0-937140-34-1
- l) CODEN  
S CO = TACAAH
- m) Document Type  
S DT = Conference Article
- n) Ei Monthly Abstract Number  
S AN = EIP94021208543 and  
  
Ei Yearly Abstract Number  
S YN = EI 84110006

The searching techniques are limited in the field of language, descriptors, publication year etc., For example: for retrieving documents dealing with English and non-English, the search expression used is

S Set No/NonEng

S Set No/Eng

for retrieving documents with microcomputer

S micro-computers/MAJ

●  
for retrieving document using dialog accession number we can limit

S Set No/100-200

Combination of the above techniques are also allowed.

### 2.2.2 Easy Menu Search

The “easy menu search” provides a submenu with options like File, Edit, Search/Modify etc. Selection of search/modify option provides nine different search options, which allows to search database from word/phase index to more detailed index search Ei classification codes.

## 2.3 DOWNLOADING

The bibliographic information can be retrieved completely or partially, according to our requirement. The output may be obtained in different formats, as follows

1. Format 1: Only dialog accession number will be retrieved
2. Format 2: Full record except abstract will be retrieved
3. Format 3: Retrieves only bibliographic citations
4. Format 4: Full record along with tags are retrieved
5. Format 5: Full record except tags will be retrieved
6. Format 6: Title and dialog accession number will be retrieved
7. Format 7: Full record except indexing will be retrieved
8. Format 8: Title and indexing will be retrieved

To retrieve full record except tags for first five records, the following command has to be executed :

S type set number /5/1-5

Selected fields can also be retrieved by giving the field names, for example, the abstract, author, title, source of the record can be retrieved by giving

S type set number /AU, TI, SO, AB

## 3. METHODOLOGY

COMPENDEX plus CDROMs from 1990 to 1996 were searched to identify contributions of Indians in 1990 and 1994. There were many duplicate records. These duplicate records are eliminated. Finally two files for 1990 and 1994 data pertaining to Indian origin were created.

The COMPENDEX Plus bibliographic database was searched using command/prompt search and easy menu search. To retrieve words dealing with India or Indian any where in the record, the easy menu search was used. Steps followed were

- Step 1 : Execute "ondisc" command
- Step 2 : Select Easy menu search
- Step 3 : Select search/Modify
- Step 4 : Select word/phase search
- Step 5 : Select the words required word by typing first few characters in this case India or Indian
- Step 6 : Press functional key F10 (to select records marked)
- Step 7 : Press functional key F8 (to transfer to floppy disk or to hard disk)

The command search was used to the maximum extent. The word India or Indian may occur in title, corporate source, conference title, conference location, conference sponsor, source. Therefore, the search expression was given to all these fields for the particular year of publication. For example, S PY = 1994 and CS = India retrieves all documents from Indian origin published in 1994 and covered in that particular COMPENDEX disk.

For downloading records, format 2 and format 5 were used in case of prompt search and easy menu search respectively. Documents from the Indian origin were retrieved with prompt search, whereas the easy menu search retrieves all documents dealing with India. These documents may not be of Indian origin. Hence abstracts are required to decide whether it is from Indian origin or not.

The downloaded records look like

=====

14/2/121 of 166  
 DIALOG No: 03397021 EI Monthly No: EIM9203-010723  
 Title: Boundary control problems for non-autonomous parabolic systems.  
 Author: Acquistapace, Paolo; Terreni, Brunello  
 Corporate Source: Univ di Roma 'La Sapienza', Roma, Italy  
 Conference Title: Third Working Conference on Stabilization of Flexible Structures  
 Conference Location: Montpellier, Fr Conference Date: 1989 Jan  
 Source: Lecture Notes in Control and Information Sciences v 147 1990. p 156-166  
 Publication Year: 1990  
 CODEN: LCISDU ISSN: 0170-8643  
 Language: English  
 Conference Number: 14797  
 Document Type: JA; (Journal Article) Treatment Code: T; (Theoretical)  
 Descriptors: \*CONTROL SYSTEMS--\*Mathematical Models; MATHEMATICAL

TECHNIQUES-- Boundary Value Problems

Identifiers: NON AUTONOMOUS PARABOLIC SYSTEMS

EI Classification Codes: 731 (Automatic Control Principles); 921 (Applied Mathematics)

---

3/2/1 of 95

DIALOG No: 03527754 EI Monthly No: EIM9212-060887

Title: Pulsed excimer laser deposition of high T<sub>c</sub> superconductor thin films on Si with and without oxide barrier.

Author: Vispute, R. D.; Bendre, S. T.; Viswanathan, R.; Chaudhari, S. M.; Kanetkar, M.; Ogale, Corporate Source: Univ of Poona, Pune, India

Conference Title: Growth of Semiconductor Structures and High-T<sub>c</sub> Thin films on semi conductors

Conference Location: San Diego, CA, USA Conference Date: 1990 Mar 20-21

Source: Proceedings of SPIE - The International Society for Optical Engineering v 1285. Publ by Int Soc for Optical Engineering, Bellingham, WA, USA. p 259-266

Publication Year: 1990

CODEN: PSISDG ISSN: 0277-786X

Language: English

Conference Number: 14571

Document Type: PA; (Conference Paper) Treatment Code: X; (Experimental)

Descriptors: \*HIGH TEMPERATURE SUPERCONDUCTORS--\*Thin Films; SEMICONDUCTING FILMS; CERAMIC MATERIALS--Thin Films; OXIDES

Identifiers: OXIDE BARRIERS; PULSED EXCIMER LASER DEPOSITION; YTTRIUM BARIUM COPPER OXIDES

EI Classification Codes: 708 (Electric & Magnetic Materials); 812 (Ceramics & Refractories); 804 (Chemical Products)

---

13 of 404 Complete Record

DIALOG No: 02991067 EI Monthly No: EI9012139262

Title: Concrete. Development and adoption of fibre-reinforced concrete.

Author: Lal, A. K.

Corporate Source: Natl Buildings Organisation, New Delhi, India

Source: Batiment International/Building Research & Practice v 18 n 3 May-Jun 1990 p 153-161

Publication Year: 1990

CODEN: BINTDO ISSN: 0182-3329

Language: English

Document Type: JA; (Journal Article) Treatment Code: G; (General Review)

Abstract: Research in India has established that addition of various materials has improved the static flexural strength, shock resistance, ductility and fracture toughness of fibre-reinforced

concrete. Among the fiber-reinforced concretes discussed are the following: steel-fibre-reinforced concrete; glass-fibre-reinforced composite; Concrete reinforced with organic fibers; carbon-fibre-reinforced concrete; and slurry-infiltrated fibrous concrete. 26 Refs.

Descriptors: \*CONCRETE CONSTRUCTION--\*Reinforced Concrete; STEEL; CARBON FIBER

Identifiers: CARBON-FIBER-REINFORCED CONCRETE; SLURRY-INFILTRATED FIBROUS CONCRETE; STEEL-FIBER-REINFORCED CONCRETE; SILICA FUME

EI Classification Codes: 405 (Construction Equipment & Methods); 545 (Iron & Steel); 804 (Chemical Products)

---

14 of 404 Complete Record

DIALOG No: 02990851 EI Monthly No: EI9012137527

Title: Ecological study of an Indian village ecosystem. Energetic.

Author: Nisanka, Surendra K.; Misra, Malaya K.

Corporate Source: Berhampur Univ, Orissa, India

Source: Biomass v 23 n 3 1990 p 165-178

Publication Year: 1990

CODEN: BIOME9 ISSN: 0144-4565

Language: English

Document Type: JA; (Journal Article) Treatment Code: N; (Numeric/Statistical); X; (Experimental)

Abstract: Biomass energy and human labor are the two main driving forces for functioning of the agriculture-based village ecosystem of Bhabinaryanpur. In the ecosystem, 97.6% of the total fuel energy consumption during the year was derived directly or indirectly from biomass. The direct biomass fuel consumption was 9636 GJ during the year (84%). The other forms of energy used were human labor (1012 GJ year\*\* minus \*\*1; 9%) and draught animal (580 GJ year\*\* minus \*\*1; 5%) for agriculture and domestic purposes. Production and consumption patterns of energy with its outflow and inflow showed that the village was an open and self-insufficient ecosystem. In the present study, an energy-flow model for the village ecosystem was also prepared. (Author abstract) 16 Refs.

Descriptors: \*BIOMASS--\*Energy Utilization; ECOSYSTEMS--India; ENERGY RESOURCES --India

Identifiers: HUMAN LABOR; VILLAGE ECOSYSTEM; DRAUGHT ANIMALS; ENERGETIC

EI Classification Codes: 525 (Energy Management); 821 (Agricultural Equipment & Methods); 454 (Environmental Engineering)

---

These records were then edited and converted into records in dBASE format.

#### 4. CONVERSION OF ASCII TEXT TO dBASE

To convert ASCII text into dBASE, non document mode of WordStar 4.1 was used. dBASE has the facility to append any ASCII text field by field, however it requires a fixed order of the fields. Steps followed to fix the order of fields are listed below:

1. Since ',' is the field delimiter, all ','s used as nondelimiter were replaced by special characters '-.'
2. The unnecessary fields are removed either by programming or by examining each record
3. The field names were replaced by their abbreviations preceded by a coma. For example title is replaced by ",ti" (Here, "," acts as a field delimiter)
4. The entire record is thus converted into a single line
5. The missing fields are replaced by field separators

Then the data was checked for total number of commas. The number of commas in each line should be 16. Since physical checking of total number of commas in each record was time consuming & tedious process, a program was written in C++ to count the number of commas in each line. This program lists those records, in which total number of commas is less than 16. Such records were then manually corrected. These edited records look like :

EIMN: EIM9203-010723, TI: Boundary control problems for non-autonomous parabolic systems. ,AU: Acquistapace, Paolo; Terreni, Brunello, CS: Univ di Roma 'La Sapienza', Roma, Italy, CT: Third Working Conference on Stabilization of Flexible Structures, CL: Montpellier, Fr Conference Date: 1989 Jan., SO: Lecture Notes in Control and Information Sciences v 147 1990. p 156-166, PY: 1990, CO: LCISDU ISSN: 0170-8643, LA: English, CN: 14797, DT:JA; (Journal Article) Treatment Code: T; (Theoretical) ,DE: \*CONTROL SYSTEMS--\*Mathematical Models; MATHEMATICAL TECHNIQUES--Boundary Value Problems, ID: NON AUTONOMOUS PARABOLIC SYSTEMS, CC: 731 (Automatic Control Principles); 921 (Applied Mathematics)

EIMN: EIM9212-060887, TI: Pulsed excimer laser deposition of high T<sub>c</sub> superconductor thin films on Si with and without oxide barrier. ,AU: Vispute, R. D.; Bendre, S. T.; Viswanathan, R.; Chaudhari, S. M.; Kanetkar, S. M.; Ogale, S. B., CS: Univ of Poona, Pune, India, CT: Growth of Semiconductor Structures and High-T<sub>c</sub> Thin Films on Semiconductors, CL: San Diego, CA, USA Conference Date: 1990 Mar 20-21, SO: Proceedings of SPIE - The International Society for Optical Engineering v 1285. Publ by Int Soc for Optical

Engineering, Bellingham, WA, USA. p 259-266, PY: 1990, CO: PSISDG ISSN: 0277-786X, LA: English, CN: 14571, DT: PA; (Conference Paper) Treatment Code: X; (Experimental), DE: \*HIGH TEMPERATURE SUPERCONDUCTORS--\*Thin Films; SEMICONDUCTING FILMS; CERAMIC MATERIALS--Thin Films; OXIDES, ID: OXIDE BARRIERS; PULSED EXCIMER LASER DEPOSITION; YTTRIUM BARIUM COPPER OXIDES, CC: 708 (Electric & Magnetic Materials); 812 (Ceramics & Refractories);

EIMN: EI9012139262, TI: Concrete. Development and adoption of fibre-reinforced concrete., AU: Lal.- A. K., CS: Natl Building Organisation .- New Delhi .-India , SO: Batiment International /Building Research & Practice v 18 n 3 May-Jun 1990 p 153-161, PY: 1990, CO: BINTDO ISSN:0182-3329, LA: English, DT: JA; (Journal Article), TC: G; (General Review), DE: \*CONCRETE CONSTRUCTION--\*Reinforced Concrete; STEEL; CARBON FIBER , ID : CARBON-FIBER- REINFORCED CONCRETE; SLURRY-INFILTRATED FIBROUS CONCRETE; STEEL-FIBER-REINFORCED CONCRETE; SILICA FUME , CC:405 (Construction Equipment & Methods); 545 (Iron & Steel); 804 (Chemical Products)

EIMN: EI9012137527, TI: Ecological study of an Indian village ecosystem. Energetic., AU: Nisanka.- Surendra K.; Misra.-Malaya K., CS: Berhampur Univ.- Orissa.- India, SO: Biomass v 23 n 3 1990 p 165-178, PY: 1990, CO: BIOME9 ISSN: 0144-4565, LA: English , DT: JA; (Journal Article), TC: N; (Numeric/Statistical); X; (Experimental), DE: \*BIOMASS--\*Energy Utilization; ECOSYSTEMS--India; ENERGY RESOURCES--India, ID: HUMAN LABOR; VILLAGE ECOSYSTEM; DRAUGHT ANIMALS; ENERGETIC; RURAL AREAS, CC: 525 (Energy Management); 821 (Agricultural Equipment & Methods); 454 (Environmental Engineering)

## **5. PROBLEMS FACED WHEN DOWNLOADING**

The following are some of the problems faced while downloading the data from the COMPENDEX Plus database

1. Non availability of the COMPENDEX manual created a problem in the beginning stages and also while writing the final report.
2. In the COMPENDEX Plus bibliographic database, there is no way to download all the information on India or Indian using a single command/single step. To overcome this problem each field was searched along with publication year. For example.- S PY = 1990 and Ti = (India or Indian) will



retrieve all those titles which are dealing with India or Indian and published in 1990.

3. The word/phase index search in "easy menu search" searches only the abstracts. The documents retrieved here may not be of Indian origin. These records were physically checked and those which are really of Indian origin were selected. Deletion of abstracts in this case was a tedious and time consuming process.

4. The authors from Indian origin (NRI authors) who are working abroad were excluded, since there was no way to identify these authors.

5. Missing fields in a records created a problem.

6. The damaged COMPENDEX CDROM, itself created a problem

7. The bad floppy disks was yet another problem.

## **6. APPENDING ASCII TEXT INTO dBASE FOR WINDOWS**

dBASE is an universally accepted software package for creating a database and then to process the records appropriately. The dBASE for Windows has a powerful built-in programming aids that reduces the time required to develop such programs. It allows exchange of data between software. After downloading the relevant records they are appropriately edited and converted into dBASE records. Steps followed are :

1. Create a structure with following name, type and length of fields

EIMN Character 20 index yes  
Ti Character 150  
Au Character 150  
Cs Character 150  
Ct Character 150  
Cl Character 100

Sp Character 150  
 So Character 250  
 Py Numeric 15  
 Co Character 75  
 La Character 20  
 Cn Numeric 15  
 Dt Character 100  
 De Character 250  
 Id Character 250  
 Cc Character 250

2. Open the structure created in Step 1.
3. At the command window, type Append from file name type delimited. For example, Append from C90wo90.txt type delimited
4. Browse
5. Repeat all the above steps to all the files

The key field in the COMPENDEX Plus database is Ei monthly Number. The database was sorted according to the "keyfield" in ascending order, to identify the duplicate records. Total number of records for the years 1990 and 1994 is given in the following table

Year	No. of Publication
1990	4638
1994	6329

A program was written in dBASE to remove duplicate records. Finally, two files for 1990 and 1994 data files consisting of records of Indian origin were created. These two files are the master files for the analyses of data. Total number of records after removal of duplicates are

Year	No. of Publication
1990	3520
1994	4829

## 7. ANALYSES AND RESULTS

Analyses of data for two years were carried out separately; also sometimes analyses were carried out for both the years together, whenever required.

Separate databases were created for each field and sometimes for a combination of fields from the master file. These databases were sorted and processed by programs to obtain the required tables.

### 7.1 WORLD AND INDIAN CONTRIBUTIONS TO THE ENGINEERING LITERATURE

The world's output in 1990 and 1994 for the main branches were noted down from the COMPENDEX CDROM. The Indian contributions in these main branches are discussed in section 7.4 ( Subject Analysis Section). The percentages, shifts in the percentages are calculated for the world and Indian contributions for 1990 and 1994. The Activity Index for 1990 and 1994 is also calculated.

The Activity Index is given by

$$\frac{f_i / \sum_i f_i}{F_i / \sum_i F_i} \times 100$$

Where F = World and f = India

Table 1 represents world and Indian contributions to Engineering literature as seen from COMPENDEX plus bibliographic database. It also gives shifts in percentages and activity index.

In order to facilitate the comparison between world and Indian contributions to engineering literature in 1990 and 1994, the percentage shifts are classified into 4 major groups -- world and

Indian contributions in particular branches increasing, world and Indian contributions in particular branches decreasing, world's contributions are increasing where as Indian contributions are decreasing and Indian contributions are increasing and world's contributions are decreasing. This is presented in the following table along with branches in each category:

Growth	Branches
Both increasing -- World literature increasing Indian literature increasing	Applied Physics -- (High Energy, Plasma, Nuclear & Solid State) Light and Optics Bioengineering Information Science
Both decreasing -- World literature decreasing Indian literature decreasing	Energy Technology & Petroleum Engineering Mining, Metallurgical Engineering and Material Science Food Technology
World's literature is increasing whereas India's contributions decreasing	Electronics, Computers and Communication Electrical, Instrumentation, Control Engineering and Power Engineering Environmental Technology Marine Engineering, Naval Architecture, Ocean and Under Water Technology Aeronautical and Aerospace Engineering
World's literature decreasing whereas India's contributing increasing	Chemical Engineering, Ceramics, Plastics and Polymers Engineering Management and Industrial Engineering Civil and Structural Engineering Mechanical Engineering, Automotive Engineering and Transportation

It may be observed that the research output in Applied Physics, Light & Optics, Bioengineering and Information Science are increasing both at the world and India level. However, the rate at which it is increasing varies from each other. In the Applied Physics, India's output is increasing at a lower rate than world's output whereas Optics & Information Science and its related area the India's literatures are increasing much faster than world's contribution. The rate at which the literature in the area of Bioengineering increasing is almost same at both the levels. In the area of Energy Technology & related area, Metallurgical Engineering & related area and Food Technology research output is decreasing at both the levels. In the branches of Electronics, Computers and Communication, Electrical and related area, Environmental Technology, Marine Engineering and related area and Aeronautical Engineering and related area, the worlds research output is increasing where as India's output is decreasing from 1990 to 1994. In the Environmental Technology India's research output is decreasing at the rate of approximately 4%. However in the remaining branches, that is Civil Engineering and related topics, Industrial Engineering and related topics, Mechanical Engineering and related areas the worlds publications are decreasing where as India's contributions are increasing from 1990 to 1994. In the branch of Industrial engineering and related, the rate at which worlds output is decreasing is almost same as India's increasing rate of output.

## 7.2 DOCUMENT TYPE ANALYSES

Among the research publications document type has a specific role to play in dissemination of information. The form of the document reveals the nature, scholarliness and currency of the information. For the document type analysis, the database containing the document type is considered. This table is sorted. The records were counted by a program to find out different type of document published in engineering and related subjects. The percentages of each document type in 1990, 1994 and total are calculated. Table 2 provides distribution of document type of bibliographic records used by engineers and technocrats in India as covered by COMPENDEX in 1990 & 1994

It is observed that Indian Engineers published their output in journal articles, conferences, monographs and reports. It is noticed from 1990 & 1994 that 88% of the output is in journals, 11.5% is in conferences and the remaining is in monographs and reports. Thus, like in other subjects, in the field of engineering and technology also vehicle for the communication of information is dominated by journal articles and conference papers.

### **7.3 LANGUAGE WISE ANALYSES**

Language forms the vehicle for the dissemination of information. The study of the language distribution provides the information on the relative use of different languages. For the language wise analyses, the database is sorted by language field. A program is written in dBASE to count number of records in each language. This process is carried out for both the years. The results were accordingly merged. The percentages of each language in 1990, 1994 and total are calculated. In case of bilingual journals, if both languages are mentioned, only the first language is considered. The results are given in Table 3.

Of the 8349 records, from both the years, English dominated with 8324 (99%), remaining 1% are in Russian, German and French.

### **7.4 SUBJECT WISE ANALYSES**

Subject wise analyses in different periods of time gives rise to lots of information -- like changes in the interest of the researcher, importance of certain subjects etc. For instance, Electrical Engineering & Mechanical Engineering were the two important branches of Engineering in which most literature were published earlier; but now it is replaced by Computer Engineering and related subjects.

Based on the classification scheme adopted in the COMPENDEX Plus, attempts were made to get the distribution of records under different subject headings. The field containing the EI

classification code was considered for this purpose. The records were counted by dBASE program to find out the number of records for each descriptor. These descriptors were classified according to the major subjects covered by the COMPENDEX Plus. Table 4 provides subject-wise distribution of bibliographic records of Indian origin according to the COMPENDEX Plus database in 1990 & 1994.

It is noticed from 1990 and 1994 that, Indian Engineers contributed maximum (20.62 %) in the field of Chemical Engineering and related topics. The other branches of engineering in which India is contributing are Applied Physics (12.37 %), Metallurgical Engineering & related subjects (10.23%), and Electronics and related subjects (8.74 %) etc.,

## **7.5 TREATMENT WISE ANALYSES**

The field containing the treatment code is considered for the treatment wise analysis. The database is sorted by the treatment field and a program is executed which counts the number of records in each code. Total and percentages of records in each code are calculated accordingly. Table 5 represents the Indian papers classified according to treatment code as seen from COMPENDEX Plus.

It is observed that most of the Indian papers are Experimental in nature.

## **7.6 INSTITUTIONAL ANALYSES**

Institutional Analyses are carried out to find out

- ▶ Individual Institutional players in Engineering and Technology
- ▶ Geographic Distribution
- ▶ Type of Institutions involved in Engineering research

### 7.6.1 *Individual Institutional players in Engineering and Technology*

Institutional Affiliation is included in the field corporate source. The database containing the institutional address is considered for the institutional analysis. The components of the institutional affiliation are Institution name, city name, country and sometimes state name. It is observed that in most of the Institutional affiliations, the city name was missing. The city names were provided to these institutions by searching directories like directory of R & D institutions published by Ministry of Science and Technology, Government of India, New Delhi and CSIR directory etc.,. Some of these institutions have more than one campus, each carrying out research separately. These institutions are considered separately. For example, Indian Statistical Institution has centers at Calcutta, New Delhi and Bangalore. They are considered as separate entity in this study.

To find out the Individual Institutional players, the database containing institution name and city name are considered. The database is sorted and the records were counted by program to find out number of records associated with each institute. Total number of records in each institution in two years is calculated. Percentages for 1990, 1994 and total are also calculated. Table 6 provides Indian Individual Institutions publishing papers in the field of Engineering as seen from COMPENDEX Plus database in 1990 and 1994.

It is noticed that about 1000 institutions contribute to the development of the engineering field. 1000 institutes contribute total of 8349 papers. Major institutions which are contributing to the engineering field are Indian Institute of Science, Bangalore, I.I.Ts, B.A.R.C, Banaras Hindu university, etc., I.I.Sc. Bangalore ranked first with 490 (5.87%) publications where as I.I.T. Delhi (4.86%) and I.I.T. Madras (4.76%) are second and third respectively. I.I.Ts research output as seen from the database is found to be 19.49% (1627). From both the years, it may be observed that most of the institutions produce only single paper each. The distributions of papers over institutions are given in the table



No. of Papers	No. of Institutions
1	527
2	151
3-10	204
11-50	84
51-100	16
>100	13

### 7.6.2 Geographic Distribution

The geographic distribution provides information on the city and state active in the subject field and their relative contributions to the field. To find out the geographic distributions of the institutions, the institutions are analyzed according to their locations. The database containing the city names is extracted. The database is then accordingly sorted. The misspelled city names are corrected. Then a program is executed to count the number of records in each city. The total & percentages records in each city from both the years are calculated. Similarly the state wise analysis is also carried out. Table 7 and 8 provides a list of Indian cities and states contribution to the field of Engineering and Technology as seen from COMPENDEX database in 1990 & 1994.

The leading cities are New Delhi, Mumbai, Bangalore, Chennai and Calcutta.

The first three positions by states are Maharashtra with 1283 records (15.38%), West Bengal with 1007 records (12.06%), and Delhi with 917 records (10.98%) respectively. Karnataka has moved from 6th position in 1990 to 4th position in 1994. From the two years of data, it may be observed that number of states with more than 1000 papers is 2, number of states with less than 100 papers is 10, while rest of the states produce less than 100 papers.

### 7.6.3 *Type of Institutes*

The individual institutions contributing to the field as seen from the COMPENDEX in 1990 and 94 are classified into 4 major groups - - Academic, Laboratories, Government (- - central and state) and Industries. These groups are further classified into subgroups. Academics are classified as universities, institutions of national importance, Engineering colleges, agricultural institutions, Medical institutions and other academic institutions. The laboratories are again classified as CSIR and DRDO labs. The industries are classified as private and public. The central government institutions are classified further into different departments. Table 9 represents the number of papers contributed by different types of organization in 1990 and 1994.

It is observed from 1990 and 1994 that, the academic institutions contribute 60% of the publications; labs, government institutions and industries contribute 16%, 15.3% and 7% respectively. Among the academic institutions, premier institutions such as I.I.Sc., I.I.Ts, R.E.Cs, I.I.Ms, I.S.I.s, contributed 40% of publication.

### 7.6.4 *The problems faced while carrying out the Institutional analyses*

The following are some of the problems faced while carrying out the institutional analysis:-

1. The main difficulty faced when attempting to identify the documents published by a particular institution using a COMPENDEX Plus database is the lack of standardization of the institutions names. For example, 11 different entries were found for the CSIR lab - -

- CSIR lab
- CSIR complex
- CSIR campus
- Council of Scientific and Industrial Research
- Council for Scientific and Industrial Research
- Council for Scientific & Industrial Research
- Council of Scientific & Industrial Research
- Regional Research Laboratory
- Regional Research Lab etc.,

2. The non uniformity in the institutions address created a problem while analyzing the author affiliation.
3. In some cases, we found that an important part of the institutional address is missing and thus in some cases we were unable to identify exact address of those institutions.
4. Only one author affiliation was mentioned in each bibliographic record irrespective of number of authors.
5. The abbreviations used are inconsistent. For example, the abbreviations used for national are natl, Nat etc., and for Department it is Dept and Dep, etc,
6. In some cases, we found that for the same institutions many addresses were given. For example, Karnataka Regional Engineering college (K.R.E.C) had 3 address like K.R.E.C ( Dharwad), K.R.E.C (Surathkal), K.R.E.C, ( ). In such cases, it was difficult to identify the correct address of the institutions. It is also difficult to findout whether these are three different institutions or single one. However, in case of K.R.E.C different versions are treated as K.R.E.C (Surathkal).
7. Although abbreviations were used in Institutional affiliation, a list of abbreviations was not mentioned in the database.
8. Incomplete information in the author affiliation also created a problem while analyzing author affiliation.
9. In the Institution's address, sometimes only the state name was given. For example, Adhiparasakthi Engineering College, Tamil Nadu. It was very difficult to find out the city name in such cases.
10. Missing author affiliation field was yet another problem.

11. Change in the institutional names were not incorporated in the COMPENDEX Plus database
12. While carrying out the city wise analysis, it was difficult to find out the state name for few cities. For example, Sagar was found in many states like Karnataka, Gujarath, Madhya Pradesh etc., So it was very difficult to find out the exact state name for such cities.
13. For the same city two names were mentioned. For example, Tiruchanapalli and Tiruchi both the names were used. It was difficult to judge under which city the institution should be considered.
14. Spelling error are yet another problem.

## 7.7 JOURNAL ANALYSES

Journal Analyses were carried out to determine

- ▶ List of Journals used by Indian Engineers & Technocrats to publish their research output
- ▶ List of countries associated with the Journals covered by COMPENDEX Plus in which Indians publish their articles
- ▶ List of Indian journals covered by COMPENDEX in 1990 & 1994 & used by Indian engineers and technocrats

### 7.7.1 Journals Used

The source field is considered for analyses of the journals. The issue number, volume number, page number etc., are eliminated. The country of origin for these journals are identified using Ulrich's International Periodical directory, Current Contents, OPACs on INTERNET etc., A Program is executed which counts the number of records for each journal. The total number of papers for each journal and for both the years are calculated. The database is sorted according to total number of papers. Percentages for both the years and for the total are calculated.

Impact factor is one of the measures which can be used to determine the quality of the

journals. The impact factor of a journal is given by the ratio of the citations to the citable items published in that journal. The Impact factors of the journals are taken from JCR 1994 published by ISI, Philadelphia. Table 10 represents the list of journals along with IF and the countries of publications used by Indian Researchers to publish their output. In this table, the column which gives the impact factor, "0" means, Impact Factor is not available in JCR 1994.

It is noticed from 1990 and 94 that, 88% of the Engineering output are published in 900 journals. Of 7352 papers, 5504 papers are covered by SCI. This includes both Indian and Non Indian journals. Of the 5504 papers, only 337 papers are covered by SCI. Only 4 journals from the Indian origin has the IF. Below statistics shows the distribution of journals according to IF

Impact Factor	No. of Journals
0.000 - ≤ 0.100	24
0.100 - 0.200	53
0.200 - 0.300	41
0.300 - 0.400	51
0.400 - 0.500	52
0.500 - 0.600	33
0.600 - 0.700	27
0.700 - 0.800	25
0.800 - 0.900	21
0.900 - 1.00	23
1.00 - 2.00	103
>2.00	27
Total	480

The IF of 4 Indian journals are in the first 4 ranges i.e., less than or equal to 0.400. From this we can infer that Indian Engineers and Technocrats publish most of the literature in SCI covered journals. We also observed that Indian researchers used two journals with IF more than 6.000 - -

Applied Catalysis from the Netherlands (2 papers) and Physical Review Letters from USA (4 papers) and none of the journals had zero impact factor.

### *7.7.2 Use of Non Indian Journals*

The journals which are not from Indian Origin are referred here as non-Indian journals. The database of journals is considered to produce the list of publishing countries of journals in which Indian Engineers and Technocrats publish. The country names are extracted and created a separate database. A program is executed which counts the number of journals in each country and also number of papers in these journals. Total number of papers in each country in both the years are calculated. Table 11 represents the contributions made by Indian Engineers to the periodical literature -arranged by the publishing country of the journals.

It is noticed from 1990 and 1994 that Indian researchers have used 900 journals published from 27 different countries to publish their research result. 97% of the Indian literature are published in journals from USA, UK, Netherlands, India, Switzerland, Germany and Japan. Of this 41% of the literature is published in journals from USA. Table 12 represents the list of journals from the Indian origin in which Indian Engineers publish their research result.

47 Indian journals are used by the Indian researchers in Engineering and Technology field. Six journals have more than 40 papers. 12% of the journals used by Indian researchers are from the Indian origin. Maximum number of papers (177) are published in Bulletin of Material Sciences from Bangalore, Karnataka

### *7.7.3 Classification of Journals according to subject*

The journals used by Indian Engineers and Technocrats are classified according to major key words, and sometimes according to Ulrich's International Periodical Directory. The result is given in table 13.

#### *7.7.4 Problems faced while carrying out the Journal Analyses*

The following are some of the problems faced while carrying out journal analyses

1. Lack of standardization in journals created problem while analyzing the journals
2. Only the abbreviations were used in JCR are there is no list of abbreviations with their expansions; This created problem while identifying IF of journals
3. It was difficult to find out the place of publications for journals, since we have to search many reference sources like Ulrich International periodical directory, current contents, OPACs on INTERNET etc.,

### **8. SUMMARY AND CONCLUSION**

The following are some of the conclusion drawn from the study of the Engineering database -- The COMPENDEX Plus from 1990 and 1994:

1. It may be observed from the COMPENDEX Plus, an Engineering bibliographic database, India has published 3520 and 4829 publications in 1990 and 1994 respectively.
2. It is observed in this study that 88% of the bibliographic records fall into the category of articles of journals and remaining is in the proceedings of the conferences, monographs, reports etc.,
3. According to the COMPENDEX Plus bibliographic database, Indian Engineers and Technocrats were published their research results in English, Russian, German and French languages.

4. It may be noticed from 1990 and 1994 that, Indians have published most of the literature (20.62%) in Chemical Engineering, Ceramics, Plastics & Polymers and least number of documents (0.41%) in Information Science.

5. The world maximum output (17.2%) is in the field of Chemical Engineering, Ceramics, Plastics and Polymers and minimum output (0.08%) was in the area of Aeronautical and Aerospace Engineering. World's contributions in the field of Chemical Engineering and related is decreasing from 1990 and 1994.

6. According to COMPENDEX Plus, about 46.96% of the Indian contributions are experimental in nature, while the remaining are in application's area (23.36%), Theoretical (15.79%) and General reviews (10.99%) etc.,

7. About 1000 institutions contributed for the development of engineering and technology.

8. It is noticed from 1990 & 94 that 60% of the contributions are from the academic sector. Among the academic institutions 40% are from the premier institutions.

9. Most of the articles/literature are published from New Delhi, Mumbai and Bangalore; leading states are Maharashtra, West Bengal and Delhi.

10. From 1990 and 1994 data, it may be noted that Indians used 900 journals to publish their research result.

11. Out of the 900 journals, 47 are Indian journals. ~~is~~ 12% of the <sup>articles</sup> journals are from Indian origin.

12. Only 4 journals from Indian origin has the Impact factor in 1994 JCR report. However, the impact factor of these journals are below 0.400.



13. None of journals had zero impact factor.

14. It is noticed from COMPENDEX Plus, bibliographic database that the "Pramana -- Journal of Physics" had zero papers in 1990 and 117 papers in 1994

15. It is also observed that most of the journals in which India publishes her work are from the developed countries.

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## **TABLES**

Table : 1

**World and Indian Contributions to Engineering literature  
as seen from COMPENDEX Plus bibliographic database in 1990 and 94,  
(arranged according to subject alphabetical)**

Sl. No.	Branches (1)	World					India					Activity Index.		
		No.of papers		Percentages			No.of papers		Percentages			1990	1994	Shift
		1990	1994	1990	1994	Shift	1990	1994	1990	1994	Shift			
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
1.	Aeronautical & Aerospace Engineering	169	261	0.09	0.08	-0.01	153	101	4.35	2.09	+2.26	49.500	24.909	+24.591
2.	Applied Physics (High Energy, Plasma, Nuclear & Solid State)	24106	53669	12.52	17.27	-4.75	235	798	6.67	16.53	-9.86	0.533	0.957	-0.424
3.	Bioengineering	1294	2402	0.67	0.77	-0.10	118	204	3.35	4.22	-0.87	4.986	5.467	-0.481
4.	Chemical Engineering, Ceramics, Plastics & Polymers	53968	32620	28.04	10.49	+17.55	725	1047	20.59	21.68	-1.09	0.735	2.066	-1.331
5.	Civil and Structural Engineering	6946	10807	3.61	3.48	+0.13	189	272	5.37	5.63	-0.26	1.488	1.620	-0.132
6.	Electrical, Instrumentation, Control-Engineering, Power Engineering	22695	53082	11.79	17.08	-5.29	361	310	10.25	6.42	+3.83	0.869	0.376	+0.493
7.	Electronics, Computers & Communication	19067	44821	9.91	14.42	-4.51	380	350	10.79	7.25	+3.54	1.089	0.503	+0.586
8.	Energy Technology and Petroleum Engineering	10213	9159	5.31	2.95	+2.36	244	198	6.93	4.10	+2.83	1.306	1.392	-0.086

(Contd.....)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
9. Engineering Management & Industrial Engineering	14117	11775	7.33	3.79	+3.54	90	283	2.55	5.86	-3.31	0.348	1.547	-1.199
10. Environmental Technology	1539	3573	0.80	1.15	-0.35	235	99	6.68	2.05	+4.63	8.349	1.783	+6.566
11. Food Technology	958	658	0.50	0.21	+0.29	26	31	0.73	0.64	+0.09	1.484	3.035	-1.551
12. Information Science	820	11464	0.43	3.69	-3.26	5	30	0.14	0.61	-0.47	0.333	0.168	+0.165
13. Light and Optical Technology	23837	58176	12.38	18.71	-6.33	137	242	3.89	5.01	-1.12	0.314	0.268	+0.046
14. Marine Engineering Naval Architecture Ocean and Under water Technology	2293	4021	1.19	1.29	-0.10	125	161	3.55	3.33	+0.22	2.980	2.577	+0.403
15. Mechanical Engineering, Automotive Engineering and Transportation	8745	13272	4.54	4.27	+0.27	122	224	3.47	4.64	-1.17	0.769	1.086	-0.317
16. Mining and Metallurgical Engineering & Material Sciences	1709	1083	0.89	0.35	+0.54	433	421	12.30	8.72	+3.58	13.854	25.023	-11.169
<b>TOTAL</b>	<b>192476</b>	<b>310843</b>	<b>100.00</b>	<b>100.00</b>		<b>3520</b>	<b>4829</b>	<b>101.61</b>	<b>98.78</b>				

**Table: 2**

**INDIAN PAPERS CLASSIFIED ACCORDING TO DOCUMENT TYPE**  
(as seen from COMPENDEX Database in 1990 & 94)

Sl. No.	Document Type	No. of Papers			%		
		1990	1994	Total	1990	1994	Total
1.	Journal articles	3089	4263	7352	87.76	88.27	88.06
2.	Conference Articles	429	538	967	12.19	11.14	11.58
3.	Monograph Chapter	1	20	21	00.03	00.41	00.25
4.	Reports	1	1		00.00	00.02	00.01
5.	No. of Records without any code for type of document	0	8	8	00.00	00.16	00.10
<b>Total</b>		<b>3520</b>	<b>4829</b>	<b>8349</b>	<b>99.98</b>	<b>100.00</b>	<b>100.00</b>

**Table : 3**

**INDIAN PAPERS COVERED BY COMPENDEX DATABASE IN 1990 AND 94  
CLASSIFIED ACCORDING TO LANGUAGES**

SL No.	Languages	No.of Papers			%		
		1990	1994	Total	1990	1994	Total
1.	English	3510	4814	8324	99.72	99.70	99.70
2.	Russian	0	6	6	00.00	00.12	00.07
3.	German	7	2	9	00.20	00.04	00.11
4.	French	0	1	1	00.00	00.02	00.01
5.	No. of records without any language code	3	6	9	00.08	00.12	00.11
<b>Total</b>		<b>3520</b>	<b>4829</b>	<b>8349</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table : 4

**Indian Contributions to Engineering literature  
as seen from COMPENDEX Plus bibliographic database in 1990 and 94  
(arranged according to subject alphabetical)**

Sl. No.	Branches	No.of papers			Percentages		
		1990	1994	Total	1990	1994	Total
1.	Aeronautical & Aerospace Engineering	153	101	254	4.35	2.09	3.04
2.	Applied Physics (High Energy, Plasma Nuclear & Solid State)	235	798	1033	6.67	16.53	12.37
3.	Bioengineering	118	204	322	3.35	4.22	3.86
4.	Chemical Engineering, Ceramics, Plastics & Polymers	725	1047	1722	20.59	21.68	20.62
5.	Civil and Structural Engineering	189	272	461	5.37	5.63	5.52
6.	Electrical, Instrumentation, Control-Engineering, Power Engineering	361	310	671	10.25	6.42	8.05
7.	Electronics, Computers & Communication	380	350	730	10.79	7.25	8.74
8.	Energy Technology and Petroleum Engineering	244	198	442	6.93	4.10	5.29
9.	Engineering Management & Industrial Engineering	90	283	373	2.55	5.86	4.46
10.	Environmental Technology	235	99	334	6.68	2.05	4.00
11.	Food Technology	26	31	57	0.73	0.64	0.68
12.	Information Science	5	30	35	0.14	0.61	0.41
13.	Light and Optical Technology	137	242	379	3.89	5.01	4.54
14.	Marine Engineering, Naval Architecture, Ocean and Under water Technology	125	161	286	3.55	3.33	3.42
15.	Mechanical Engineering, Automotive Engineering and Transportation	122	224	346	3.47	4.64	4.14
16.	Mining and Metallurgical Engineering & Material Sciences	433	421	854	12.30	8.72	10.23
<b>TOTAL</b>		<b>3520</b>	<b>4829</b>	<b>8349</b>	<b>101.61</b>	<b>98.78</b>	<b>99.37</b>



Table : 5

**INDIAN PAPERS CLASSIFIED ACCORDING TO TREATMENT  
AS SEEN FROM COMPENDEX DATABASE IN 1990 & 94  
(arranged according to total number of papers)**

Sl. No.	Treatment	1990		1994		Total	
		No. of Paper	Total	No. of Paper	Total	No. of Papers (1)+(3) (2)+(4)	
		(1)	(2)	(3)	(4)	(5)	(6)
1	Experimental	1262(35.85)		1558(32.26)		2820(33.77)	
	Management Aspects			1(0.02)		1(0.01)	
	Theoretical	500(14.2)		556(11.51)		1056(12.65)	
	Numerical/Stastical	19(5.4)		25(0.52)		44(0.53)	
		1781(50.6)		2140(44.36)		3921(46.96)	
2	Applications	93(2.64)		140(2.89)		233(2.79)	
	General Review	59(1.68)		94(1.95)		153(1.83)	
	Theoretical	6(0.17)		33(0.68)		39(0.47)	
	Experimental	6(0.17)		13(0.26)		19(0.23)	
	Literature Review/Bibliography	2(0.06)		4(0.08)		6(0.07)	
	Management Aspects	2(0.06)		10(0.21)		12(0.14)	
	Theoretical	7(0.20)		3(0.06)		10(0.12)	
	Theoretical	190(5.39)		445(9.21)		635(7.60)	
	Experimental	152(4.32)		73(1.51)		225(2.69)	
	Experimental	236(6.70)		383(7.93)		619(7.41)	
		753(21.39)		1198(24.80)		1951(23.36)	
3	Theoretical	585(16.62)		732(15.16)		1317(15.77)	
	Historical						
	Economic/Cost Data-Market Suvey	000(0.00)		2(0.04)		2(0.02)	
		585(16.62)		734(15.2)		1319(15.79)	
4	General Review	152(4.32)		359(7.43)		511(6.12)	
	Historical	6(0.17)		2(0.04)		8(0.09)	
	Literature Review/Bibliography	13(0.37)		4(0.08)		17(0.20)	
	Management Aspects	12(0.34)		11(0.23)		23(0.27)	
	Theoretical	16(0.45)		169(3.50)		185(2.21)	
	Experimental	5(0.14)		49(1.01)		54(0.65)	
	Experimental	29(0.82)		86(1.78)		115(1.38)	
	Numerical/Statistical	4(0.11)		000(0.00)		4(0.04)	
	Experimental	1(0.03)		000(0.00)		1(0.01)	
		238(6.67)		680(14.08)		918(10.99)	

(Contd.....)

		(1)	(2)	(3)	(4)	(5)	(6)
5	Economic/Cost Data/Market Survey	11(0.31)		5(0.10)		16(0.19)	
	Applications			1(0.02)		1(0.01)	
	General Review	45(1.28)		12(0.25)		57(0.68)	
	Literature Review/bibliography			1(0.02)		1(0.01)	
	Management Aspects	11(0.31)		2(0.04)		13(0.15)	
	Theoretical	36(1.02)		8(0.16)		44(0.52)	
	Experimental	6(0.17)		0(0.00)		6(0.07)	
			109(3.09)		29(0.60)		138(1.65)
6	Literature Review/Bibliography	2(0.06)		3(0.06)		5(0.06)	
	Theoretical	5(0.14)		5(0.10)		10(0.12)	
	Experimental	10(0.28)		5(0.10)		15(0.18)	
				17(0.48)		13(0.27)	30(0.36)
7	Management Aspects	3(0.08)		11(0.23)		14(0.18)	
	Theoretical	4(0.11)		6(0.12)		10(0.12)	
	Historical	1(0.03)		0(0.00)		1(0.01)	
			8(0.23)		17(0.35)		25(0.3)
8	Numerical						
	Theoretical	4(0.11)		6(0.12)		10(0.12)	
	Experimental	13(0.37)		1(0.01)		14(0.18)	
	Applications	1(0.03)		0(0.00)		1(0.01)	
			18(0.51)		7(0.14)		25(0.3)
9	Historical	1(0.03)		0(0.00)		1(0.01)	
	Economic/Cost Data- Market Survey	1(0.03)		0(0.00)		1(0.01)	
	Numerical	1(0.03)		0(0.00)		1(0.01)	
			3(0.08)				3(0.03)
10	No. of records without any treatment code	8(0.23)	8(0.23)	11(0.23)	11(0.23)	19(0.23)	19(0.23)
		3520 (100.00)	3520 (100.00)	4829 (100.00)	4829 (100.00)	8349 (100.00)	8349 (100.00)

Note: Percentages are given in brackets

Table : 6

**INDIAN INSTITUTIONS PUBLISHING PAPERS IN THE FIELD OF ENGINEERING  
AS SEEN FROM COMPENDEX PLUS DATABASE IN 1990 AND 94  
(arranged according to total number of papers)**

Sl No.	Institutions (1)	No. of papers			Percentages		
		1990 (2)	1994 (3)	Total (4)	1990 (5)	1994 (5)	Total (6)
1.	Indian Inst of Science, Bangalore	191	299	490	5.43	6.19	5.87
2.	I.I.T., Delhi	177	229	406	5.03	4.74	4.86
3.	I.I.T., Madras	181	216	397	5.14	4.47	4.76
4.	I.I.T., Kharagpur	148	233	381	4.20	4.83	4.56
5.	Bhabha Atomic Research Center, Bombay	130	179	309	3.69	3.71	3.70
6.	I.I.T., Bombay	98	134	232	2.78	2.77	2.78
7.	I.I.T., Kanpur	87	124	211	2.47	2.57	2.53
8.	Banaras Hindu Univ, Varanasi	98	102	200	2.78	2.11	2.40
9.	Natl Physical Lab, New Delhi	62	74	136	1.76	1.53	1.63
10.	Jadavpur Univ, Calcutta	65	66	131	1.85	1.37	1.57
11.	Univ of Roorkee, Roorkee	67	64	131	1.90	1.33	1.57
12.	National chemical Lab, Pune	57	72	129	1.62	1.49	1.55
13.	Indira Gandhi Cent for Atomic Research, Kalpakkam	39	54	93	1.11	1.12	1.11
14.	Indian Assoc for Cultivation of Science, Calcutta	25	64	89	0.71	1.33	1.07
15.	Defence Metallurgical Research Lab, Hyderabad	39	51	90	1.11	1.06	1.08
16.	Univ of Delhi South Campus, New Delhi	36	50	86	1.02	1.04	1.03
17.	Anna Univ, Madras	25	59	84	0.71	1.22	1.01
18.	Bombay Univ, Bombay	45	39	84	1.28	0.81	1.01
19.	Osmania Univ, Hyderabad.	32	45	77	0.91	0.93	0.92
20.	Council for Scientific and Industrial Research, Trivandrum	27	46	73	0.77	0.95	0.87
21.	Tata Inst of Fundamental Research, Bombay	22	49	71	0.63	1.01	0.85
22.	Sri Venkateswara Univ, Tirupati	37	32	69	1.05	0.66	0.83
23.	Vikram Sarabhai Space Cent, Trivandrum	29	32	61	0.82	0.66	0.73
24.	Central Electrochemical Research Inst., Karaikudi	20	39	59	0.57	0.81	0.71
25.	Aligarh Muslim Univ, Aligarh	31	27	58	0.88	0.56	0.69
26.	Univ of Poona, Pune	25	33	58	0.71	0.68	0.69
27.	Cochin Univ of Science & Technology, Cochin	16	41	57	0.45	0.85	0.68
28.	Indian Sch. of Mines, Dhanbad	30	26	56	0.85	0.54	0.67
29.	ISRO Satellite Cent, Bangalore	21	34	55	0.60	0.70	0.66
30.	Calcutta Univ, Calcutta	10	40	50	0.28	0.83	0.60
31.	Indian Inst of Chemical Technology, Hyderabad	25	25	50	0.71	0.52	0.60
32.	Univ of Hyderabad, Hyderabad	16	34	50	0.45	0.70	0.60
33.	Indian Statistical Inst, Calcutta	14	35	49	0.40	0.72	0.59
34.	Central Mining Research Inst, Dhanbad	16	17	33	0.45	0.35	0.40
35.	Univ of Madras, Madras	13	32	45	0.37	0.66	0.54
36.	Andhra Univ, Visakhapatnam	19	25	44	0.54	0.52	0.53
37.	Sardar Patel Univ, Vallabhvidyanagar.	16	27	43	0.45	0.56	0.52
38.	Central Glass & Ceramic Research Inst, Calcutta	15	27	42	0.43	0.56	0.50

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	(1)	(2)	(3)	(4)	(5)	(5)	(6)
39.	Natl Metallurgical Lab, Jamshedpur	21	21	42	0.60	0.43	0.50
40.	Shivaji Univ, Kolhapur	16	26	42	0.45	0.54	0.50
41.	Natl Inst of Oceanography, Goa	13	13	26	0.37	0.27	0.31
42.	Regional Research Lab (CSIR), Jorhat	9	29	38	0.26	0.60	0.46
43.	Univ of Rajasthan, Jaipur	14	22	36	0.40	0.46	0.43
44.	Natl Aerospace Lab, Bangalore	18	17	35	0.51	0.35	0.42
45.	Cent for Advanced Technology, Indore	2	32	34	0.06	0.66	0.41
46.	Central Leather Research Inst, Madras	12	21	33	0.34	0.43	0.40
47.	Central Power Research Inst, Bangalore	15	17	32	0.43	0.35	0.38
48.	Indian Inst of Petroleum, Dehra Dun	15	16	31	0.43	0.33	0.37
49.	Harcourt Butler Technological Inst, Kanpur	12	8	20	0.34	0.17	0.24
50.	Karnatak Univ, Dharwad	13	17	30	0.37	0.35	0.36
51.	MS Univ of Baroda, Baroda	12	17	29	0.34	0.35	0.35
52.	Space Application Cent, Ahmedabad	9	20	29	0.26	0.41	0.35
53.	Central Building Research Inst, Roorkee	17	11	28	0.48	0.23	0.34
54.	Central Salt and Marine Chemicals Research Inst, Bhavnagar	10	8	18	0.28	0.17	0.22
55.	Meerut Univ, Meerut	9	19	28	0.26	0.39	0.34
56.	Burdwan Univ, Burdwan	15	11	26	0.43	0.23	0.31
57.	Natl Environmental Engineering Research Inst, Nagpur	13	13	26	0.37	0.27	0.31
58.	Punjab Univ, Chandigarh	5	21	26	0.14	0.43	0.31
59.	Saha Inst of Nuclear Physics, Calcutta	3	23	26	0.09	0.48	0.31
60.	Solid State Physics Lab, Delhi	6	20	26	0.17	0.41	0.31
61.	Structural Engg Research Cent, Madras	10	9	19	0.28	0.19	0.23
62.	Guru Nanak Dev Univ, Amritsar	10	7	17	0.28	0.14	0.20
63.	Central Food Technological Research Inst, Mysore	6	18	24	0.17	0.37	0.29
64.	Regional Research Lab, Bhubaneswar	9	15	24	0.26	0.31	0.29
65.	Devi Ahilya Univ, Indore	6	17	23	0.17	0.35	0.28
66.	Indira Gandhi Inst of Development Research, Bombay	1	22	23	0.03	0.46	0.28
67.	TATA Energy Research Inst (TERI), New Delhi	8	5	13	0.23	0.10	0.16
68.	Bharathiar Univ, Coimbatore	8	14	22	0.23	0.29	0.26
69.	Delhi Inst of Technology, Delhi	6	16	22	0.17	0.33	0.26
70.	Maharshi Dayanand Univ, Rohtak	3	18	21	0.09	0.37	0.25
71.	PSG Coll of Arts and Science, Coimbatore	6	9	15	0.17	0.19	0.18
72.	Univ of Mysore, Mysore	10	7	17	0.28	0.14	0.20
73.	Rani Durgavati Univ, Jabalpur	5	15	20	0.14	0.31	0.24
74.	Thapar Inst of Engineering & Technology, Patiala	12	8	20	0.34	0.17	0.24
75.	Indian Petrochemicals Corporation Limited, Baroda	3	16	19	0.09	0.33	0.23
76.	Jawaharlal Nehru Univ, New Delhi	7	12	19	0.20	0.25	0.23
77.	Sree Chitra Tirunal Inst for Medical Sciences & Technology, Trivandrum	10	9	19	0.28	0.19	0.23
78.	Central Electronics Engineering Research Inst, Pilani	11	7	18	0.31	0.14	0.22
79.	Madurai Kamaraj Univ, Madurai	5	13	18	0.14	0.27	0.22
80.	Punjab Agricultural Univ, Ludhiana	10	8	18	0.28	0.17	0.22
81.	Ravishankar Shukla Univ, Raipur	7	11	18	0.20	0.23	0.22
82.	Bharat Heavy Electricals Ltd, Hyderabad	11	13	24	0.31	0.27	0.29

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	(1)	(2)	(3)	(4)	(5)	(5)	(6)
83.	Govind Ballabh Pant Univ of Agriculture & Technology, Pantnagar	6	5	11	0.17	0.10	0.13
84.	Indian Inst of Tropical Meterology, Pashan	10	7	17	0.28	0.14	0.20
85.	Univ of Allahabad, Allahabad	3	14	17	0.09	0.29	0.20
86.	Central Fuel Research Inst, Dhanbad	7	9	16	0.20	0.19	0.19
87.	Gorakhpur Univ, Gorakhpur	8	8	16	0.23	0.17	0.19
88.	Nagarjuna Univ, Nagarjunanagar	10	10	20	0.28	0.21	0.24
89.	S.N. Bose Natl Centre for Basic Sciences, Calcutta	2	14	16	0.06	0.29	0.19
90.	Tata Iron and Steel Co Ltd, Jamshedpur	2	12	14	0.06	0.25	0.17
91.	Indian Agricultural Research Inst. New Delhi	4	6	10	0.11	0.12	0.12
92.	Natl Botanical Research Inst, Lucknow	4	11	15	0.11	0.23	0.18
93.	Saurashtra Univ, Rajkot	6	3	9	0.17	0.06	0.11
94.	Steel Authority of India Limited (SAIL), Ranchi	8	6	14	0.23	0.12	0.17
95.	Bharathidasan Univ, Tiruchirappalli	8	6	14	0.23	0.12	0.17
96.	Lucknow Univ, Lucknow	3	11	14	0.09	0.23	0.17
97.	Regional Research Lab, Bhopal	4	10	14	0.11	0.21	0.17
98.	Sri Venkateswara Univ Post graduate Center, Kurnool	7	7	14	0.20	0.14	0.17
99.	Univ Coll of Science & Technology, Calcutta	5	9	14	0.14	0.19	0.17
100.	Central Arid Zone Research Inst, Jodhpur	8	5	13	0.23	0.10	0.16
101.	Indian Inst of Management, Calcutta	8	5	13	0.23	0.10	0.16
102.	Oil & Natural Gas Corp Ltd, Dehradun	2	11	13	0.06	0.23	0.16
103.	SAMEER, Madras	9	4	13	0.26	0.08	0.16
104.	Brindavan Soc, Thane	6	6	12	0.17	0.12	0.14
105.	Birla Inst of Technology and Science, Pilani	4	8	12	0.11	0.17	0.14
106.	Kurukshetra Univ, Kurukshetra	5	7	12	0.14	0.14	0.14
107.	Orissa Univ of Agriculture & Technology, Bhubaneswar	6	6	12	0.17	0.12	0.14
108.	Ravenshaw Coll (Autonomous), *Bhubaneswar	5	7	12	0.14	0.14	0.14
109.	Sri Krishnadevaraya Univ, Anantapur	6	6	12	0.17	0.12	0.14
110.	Utkal Univ, Bhubaneswar	5	7	12	0.14	0.14	0.14
111.	Visva-Bharati Univ, Santiniketan	7	5	12	0.20	0.10	0.14
112.	Indian Telephone Industries, Bangalore	4	7	11	0.11	0.14	0.13
113.	Kakatiya Univ, Warangal	6	5	11	0.17	0.10	0.13
114.	Punjabi Univ, Patiala	5	6	11	0.14	0.12	0.13
115.	Regional Engineering Coll, Tiruchirappalli	3	8	11	0.09	0.17	0.13
116.	Regional Engineering Coll, Durgapur	6	5	11	0.17	0.10	0.13
117.	Bangalore Univ, Bangalore	6	4	10	0.17	0.08	0.12
118.	Bharat Heavy Electricals Ltd, Tiruchirappalli	6	4	10	0.17	0.08	0.12
119.	Cotton technological Research lab, Bombay	5	5	10	0.14	0.10	0.12
120.	Dep of Atomic Energy, Hyderabad	4	6	10	0.11	0.12	0.12
121.	Karnataka Regional Engineering Coll, Surathkal	2	8	10	0.06	0.17	0.12
122.	North Eastern Hill Univ, Shillong	5	5	10	0.14	0.10	0.12
123.	Oil & Natural Gas Commission, Bombay	5	5	10	0.14	0.10	0.12
124.	Steel Authority of India Ltd, Durgapur	4	6	10	0.11	0.12	0.12
125.	Tata Research Development and design Cent, Pune	6	4	10	0.17	0.08	0.12
126.	VR Siddhartha Engg Coll, Vijayawada	5	5	10	0.14	0.10	0.12

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127. Ahmedabad Textile Industry's Research Association, Ahmedabad	4	5	9	0.11	0.10	0.11
128. Alchemie Research Cent, Thane	4	5	9	0.11	0.10	0.11
129. All India Inst of Medical Sciences, New Delhi	3	6	9	0.09	0.12	0.11
130. Annamalai Univ, Annamalainagar	1	8	9	0.03	0.17	0.11
131. Central Inst of Agricultural Engineering, Bhopal	3	6	9	0.09	0.12	0.11
132. Defence Electronics Applications Lab, Dehra Dun	5	4	9	0.14	0.08	0.11
133. Himachal Pradesh Univ, Shimla	3	6	9	0.09	0.12	0.11
134. Motilal Nehru Regional Engineering Coll, Allahabad	5	4	9	0.14	0.08	0.11
135. Regional Engineering Coll, Kurukshetra	5	4	9	0.14	0.08	0.11
136. Haryana Agricultural Univ, Hisar	4	4	8	0.11	0.08	0.10
137. Inst of Physics, Bhubaneswar	1	8	9	0.03	0.17	0.11
138. JNTU College of Engineering, Anantapur	5	4	9	0.14	0.08	0.11
139. North Bengal Univ, Darjeeling	1	8	9	0.03	0.17	0.11
140. Pondicherry Univ, Pondicherry	2	7	9	0.06	0.14	0.11
141. S J Coll of Engineering, Mysore	5	4	9	0.14	0.08	0.11
142. Bengal Engineering Coll, Howrah	4	4	8	0.11	0.08	0.10
143. Cent of Energy Studies and Research, Indore	4	4	8	0.11	0.08	0.10
144. Central Mine Planning & Design Inst Ltd, Ranchi	4	4	8	0.11	0.08	0.10
145. Explosive Research and Development Lab, Pune	3	5	8	0.09	0.10	0.10
146. Instruments Research and Development Establishment, Dehra Dhun	4	4	8	0.11	0.08	0.10
147. Jawaharlal Nehru Technological Univ, Hyderabad	5	3	8	0.14	0.06	0.10
148. Malnad Coll of Engineering, Hassan	6	2	8	0.17	0.04	0.10
149. Manipur Univ, Imphal	3	5	8	0.09	0.10	0.10
150. Natl Council of Educational Research & Training, New Delhi	4	4	8	0.11	0.08	0.10
151. Natl Inst of Hydrology, Roorkee	4	4	8	0.11	0.08	0.10
152. Naval Chemical and Metallurgical Lab, Bombay	3	5	8	0.09	0.10	0.10
153. Shri Gura Gobind Singhji Coll of Engineering and Technology, Nanded	4	4	8	0.11	0.08	0.10
154. Univ of Jammu, Jammu	1	7	8	0.03	0.14	0.10
155. Univ of Kalyani, Kalyani	2	6	8	0.06	0.12	0.10
156. Visvesvaraya Regional Coll of Engineering, Nagpur	2	6	8	0.06	0.12	0.10
157. Agra Univ, Agra	3	4	7	0.09	0.08	0.08
158. Barkatullah Univ, Bhopal	1	6	7	0.03	0.12	0.08
159. Berhampur Univ, Berhampur	4	3	7	0.11	0.06	0.08
160. Bharat Heavy Electricals Ltd, Bangalore	5	2	7	0.14	0.04	0.08
161. Engineers India Ltd, New Delhi	4	3	7	0.11	0.06	0.08
162. Government of India, New Delhi	2	5	7	0.06	0.10	0.08
163. Hindustan Lever Ltd, Bombay	3	4	7	0.09	0.08	0.08
164. Indian Inst of Management, Ahmedabad	2	5	7	0.06	0.10	0.08
165. Mahatma Gandhi Univ, Kottayam	0	7	7	0.00	0.14	0.08
166. Mangalore Univ, Mangalore	2	5	7	0.06	0.10	0.08
167. Nagpur Univ, Nagpur	0	7	7	0.00	0.14	0.08
168. Natl Thermal Power Corp Ltd, Noida	3	3	6	0.09	0.06	0.07

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169.	Shri G S Inst of Technology & Science, Indore	0	6	6	0.00	0.12	0.07
170.	Andhra Pradesh State Remote Sensing Applications Cent, Hyderabad	3	3	6	0.09	0.06	0.07
171.	Bhopal Univ, Bhopal	3	3	6	0.09	0.06	0.07
172.	Cent for Development of Advanced Computing, Bangalore	2	4	6	0.06	0.08	0.07
173.	CSIR, *New Delhi	2	4	6	0.06	0.08	0.07
174.	Dayalbagh Educational Inst, Agra	2	4	6	0.06	0.08	0.07
175.	Defence Materials & Stores Research & Development Establishment, New Delhi	4	2	6	0.11	0.04	0.07
176.	Hindustan Aeronautics Ltd, Bangalore	3	3	6	0.09	0.06	0.07
177.	Indian Oil Co, Faridabad	0	6	6	0.00	0.12	0.07
178.	Inst of Radio Physics & Electronics, Calcutta	3	3	6	0.09	0.06	0.07
179.	Jawaharlal Nehru Cent for Advanced Scientific Research, Bangalore	3	3	6	0.09	0.06	0.07
180.	Jiwaji Univ, Gwalior	1	5	6	0.03	0.10	0.07
181.	Marathwada Univ, Aurangabad	3	3	6	0.09	0.06	0.07
182.	Motorola India Electronics Ltd, Bangalore	4	2	6	0.11	0.04	0.07
183.	National Aluminium Co. Ltd, Koraput	4	2	6	0.11	0.04	0.07
184.	Nuclear Power Corp of India Ltd, Bombay	5	1	6	0.14	0.02	0.07
185.	Regional Engineering Coll, Rourkela	2	4	6	0.06	0.08	0.07
186.	Regional Engineering Coll, Warangal	1	5	6	0.03	0.10	0.07
187.	Struct. Engrg. Res. Ctr, Ghaziabad	2	4	6	0.06	0.08	0.07
188.	Texas Instruments (India) Ltd, Bangalore	1	5	6	0.03	0.10	0.07
189.	Univ of North Bengal, Darjeeling	4	2	6	0.11	0.04	0.07
190.	Vikram Univ, Ujjain	3	3	6	0.09	0.06	0.07
191.	Aeronautical Development Agenc, Bangalore	1	4	5	0.03	0.08	0.06
192.	Birbal Sahani Inst of Palaeobotany, Lucknow	4	1	5	0.11	0.02	0.06
193.	Cent for Development of Telematics, New Delhi	2	3	5	0.06	0.06	0.06
194.	Central Electricity Authority, New Delhi	4	1	5	0.11	0.02	0.06
195.	Central Soil Salinity Research Inst, Karnal	4	1	5	0.11	0.02	0.06
196.	CSIR Campus, Madras	3	2	5	0.09	0.04	0.06
197.	Dep of Science & Technology, New Delhi	2	3	5	0.06	0.06	0.06
198.	Gauhati Univ, Gauhati	1	4	5	0.03	0.08	0.06
199.	Goa Univ, Goa	1	4	5	0.03	0.08	0.06
200.	Indian Veterinary Research Inst, Izatnagar	3	2	5	0.09	0.04	0.06
201.	Industrial Toxicology Research Cent, Lucknow	1	4	5	0.03	0.08	0.06
202.	Inst of Microbial Technology, Chandigarh	0	5	5	0.00	0.10	0.06
203.	Inst of Armament Technology, Pune	1	4	5	0.03	0.08	0.06
204.	ISRO Satellite Cent, Trivandrum	1	4	5	0.03	0.08	0.06
205.	J.K. Industries Ltd, Kankroli	2	3	5	0.06	0.06	0.06
206.	Larsen & Toubro Ltd, Bombay	1	4	5	0.03	0.08	0.06
207.	Malaviya Regional Engineering Coll, Jaipur	2	3	5	0.06	0.06	0.06
208.	MSJ Coll, Bharatpur	0	5	5	0.00	0.10	0.06
209.	National Council for Cement and Building Materials, New Delhi	4	1	5	0.11	0.02	0.06

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210.	Natl Geophysical Research Inst, Hyderabad	2	3	5	0.06	0.06	0.06
211.	Naval Science and Technological Lab, Vishakhapatnam	4	1	5	0.11	0.02	0.06
212.	Nuclear Science Cent, New Delhi	1	4	5	0.03	0.08	0.06
213.	Physical Lab, Ahmedabad	0	5	5	0.00	0.10	0.06
214.	Rajasthan State Electricity Board, Jaipur	0	5	5	0.00	0.10	0.06
215.	Raman Research Inst, Bangalore	1	4	5	0.03	0.08	0.06
216.	Regional Inst of Technology, Jamshedpur	2	3	5	0.06	0.06	0.06
217.	South Gujarat Univ, Surat	1	4	5	0.03	0.08	0.06
218.	Tamil Nadu Agricultural Univ, Coimbatore	4	1	5	0.11	0.02	0.06
219.	Univ Coll of Engineering	3	2	5	0.09	0.04	0.06
220.	Univ of Kerala, Thiruvananthapuram	2	3	5	0.06	0.06	0.06
221.	Variable Energy Cyclotron Cent, Calcutta	0	5	5	0.00	0.10	0.06
222.	Visakhapatnam Steel Plant, Visakhapatnam	1	3	4	0.03	0.06	0.05
223.	Alagappa Univ, Karaikudi	1	3	4	0.03	0.06	0.05
224.	All India Radio & Doordarshan, New Delhi	3	1	4	0.09	0.02	0.05
225.	APSEBOARD, Hyderabad	2	2	4	0.06	0.04	0.05
226.	Calicut Regional Engineering Coll, Calicut	3	1	4	0.09	0.02	0.05
227.	Cent for Development of Telematics, Bangalore	2	2	4	0.06	0.04	0.05
228.	Central Electronics Ltd, Sahibabad	3	1	4	0.09	0.02	0.05
229.	Central Mining Research Institute Regional Centre, Nagpur	2	2	4	0.06	0.04	0.05
230.	Central Road Research Inst, New Delhi	3	1	4	0.09	0.02	0.05
231.	Council for Scientific and Industrial Research, Jamshedpur	3	1	4	0.09	0.02	0.05
232.	CSIR, * Patna	0	4	4	0.00	0.08	0.05
233.	Dep of Postgraduate Studies & Research in Physics, Jabalpur	0	4	4	0.00	0.08	0.05
234.	Hindustan Zinc Ltd, Udaipur	2	2	4	0.06	0.04	0.05
235.	Indian Bur of Mines, Nagpur	3	1	4	0.09	0.02	0.05
236.	Indian Inst of Chemical Biology, Calcutta	3	1	4	0.09	0.02	0.05
237.	Indira Gandhi Inst of Technology, *Bhuvanewar	0	4	4	0.00	0.08	0.05
238.	Inst for Plasma Research, Gandhinagar	0	4	4	0.00	0.08	0.05
239.	Inst of Engineering and Technology, Lucknow	2	2	4	0.06	0.04	0.05
240.	Inst of Mathematical Sciences, Madras	2	2	4	0.06	0.04	0.05
241.	Jalpaiguri Government Engrg., Jalpaiguri	3	1	4	0.09	0.02	0.05
242.	Jessop & Co Ltd, Calcutta	2	2	4	0.06	0.04	0.05
243.	Karnataka Power Corp Ltd, Bangalore	3	1	4	0.09	0.02	0.05
244.	Keshav Dev Malviya Inst of Petroleum Exploration, Dchradun	2	2	4	0.06	0.04	0.05
245.	Kirloskar Oil Engineers Ltd, Punc	2	2	4	0.06	0.04	0.05
246.	Natl Coll, Tiruchirapalli	2	2	4	0.06	0.04	0.05
247.	Natl Inst of Foundry and Forge Technology, Ranchi	1	3	4	0.03	0.06	0.05
248.	Oil India Ltd, *Guwahati	2	2	4	0.06	0.04	0.05
249.	Rashtriya Chemicals and Fertilizers Ltd, Bombay	2	2	4	0.06	0.04	0.05
250.	Regional Research Lab, Jammu Tawi	1	3	4	0.03	0.06	0.05

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(1)	(2)	(3)	(4)	(5)	(5)	(6)
251. Regional Research Lab, Hyderabad	4	0	4	0.11	0.00	0.05
252. Rubber Research Inst of India, Cochin	1	3	4	0.03	0.06	0.05
253. Semiconductor Complex Ltd, SAS Nagar	3	1	4	0.09	0.02	0.05
254. St. John's Coll, Agra	1	3	4	0.03	0.06	0.05
255. Univ Dep of Chemical Technology, Bombay	1	3	4	0.03	0.06	0.05
256. A.P. Agricultural Univ, Hyderabad	2	1	3	0.06	0.02	0.04
257. Advanced Cent for Research in Electronics, Bombay	3	0	3	0.09	0.00	0.04
258. Aeronautical Development Establishment, Bangalore	2	1	3	0.06	0.02	0.04
259. B.C.C.L Koyla Bhawan, Dhanbad	3	0	3	0.09	0.00	0.04
260. Bhagalpur Univ, Bhagalpur	1	2	3	0.03	0.04	0.04
261. Bharat Heavy Electricals, New Delhi	3	0	3	0.09	0.00	0.04
262. Bhavnagar Univ, Bhavnagar	1	2	3	0.03	0.04	0.04
263. Cancer Inst, Madras	2	1	3	0.06	0.02	0.04
264. Cent for Water Resources Development & Management, Kozhikode	2	1	3	0.06	0.02	0.04
265. Central Soil & Water conservation Research & Training Inst, Bellary	2	1	3	0.06	0.02	0.04
266. Central Water and Power Research Station, Pune	1	2	3	0.03	0.04	0.04
267. CET, Bhubaneswar	0	3	3	0.00	0.06	0.04
268. CMC Limited, Secunderabad	1	2	3	0.03	0.04	0.04
269. Coal India Ltd, Calcutta	2	1	3	0.06	0.02	0.04
270. Corporate R&D Div, Hyderabad	1	2	3	0.03	0.04	0.04
271. Council of Scientific and Industrial Research, Bhubaneswar	2	1	3	0.06	0.02	0.04
272. Crompton Greaves Ltd, Bombay	0	3	3	0.00	0.06	0.04
273. Defence Research and Development Establishment, Gwalior	1	2	3	0.03	0.04	0.04
274. Development Consultants Ltd, Calcutta	1	2	3	0.03	0.04	0.04
275. Government Arts Coll, Madras	1	2	3	0.03	0.04	0.04
276. Government Engineering Coll, Raipur	0	3	3	0.00	0.06	0.04
277. Government Science Coll, Chatrapur	2	1	3	0.06	0.02	0.04
278. Gujarat Agricultural Univ, Anand	0	3	3	0.00	0.06	0.04
279. Gujarat State Communications & Electronics Ltd, Baroda	3	0	3	0.09	0.00	0.04
280. HP's Industrial Applications, Amritsar	3	0	3	0.09	0.00	0.04
281. Indian Farmers Fertiliser Cooperative Ltd, Allahabad	3	0	3	0.09	0.00	0.04
282. Indian Inst of Horticultural Research, Bangalore	2	1	3	0.06	0.02	0.04
283. Indian Space Research Organization, Lucknow	1	2	3	0.03	0.04	0.04
284. Indian Space Research Organization, Sriharikota	2	1	3	0.06	0.02	0.04
285. Indira Gandhi Natl Open Univ, New Delhi	2	1	3	0.06	0.02	0.04
286. Inst of Science, Bombay	0	3	3	0.00	0.06	0.04
287. Inst of Science, Nagpur	0	3	3	0.00	0.06	0.04
288. Inter Univ Consortium DAE Facilities, Indore	1	2	3	0.03	0.04	0.04
289. Irrigation Design Organization, Rourkee	3	0	3	0.09	0.00	0.04
290. J.N. Krishi Vishwa Vidyalaya, Jabalpur	0	3	3	0.00	0.06	0.04
291. Kumaun Univ, Nainital	2	1	3	0.06	0.02	0.04

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	(1)	(2)	(3)	(4)	(5)	(5)	(6)
292.	Loyola Coll, Madras	0	3	3	0.00	0.06	0.04
293.	Madras Christian Coll, Madras	2	1	3	0.06	0.02	0.04
294.	Madras Inst of Technology, Madras	1	2	3	0.03	0.04	0.04
295.	Metallurgical & Engineering Consultants (I) Ltd, Ranchi	2	1	3	0.06	0.02	0.04
296.	Meteorological Office, Pune	3	0	3	0.09	0.00	0.04
297.	NFL, Nangal	2	1	3	0.06	0.02	0.04
298.	North Eastern Regional Inst of Science & Technology, Itanagar	0	3	3	0.00	0.06	0.04
299.	Oil & Natural Gas Commission, Panvel	3	0	3	0.09	0.00	0.04
300.	Natl Informatics Cent, New Delhi	0	3	3	0.00	0.06	0.04
301.	Natl Inst of Nutrition, Hyderabad	2	1	3	0.06	0.02	0.04
302.	Natl MST Radar Facility, Tirupati	0	3	3	0.00	0.06	0.04
303.	Neyveli Lignite Corp Ltd, Neyveli	1	2	3	0.03	0.04	0.04
304.	Nuclear Fuel Complex Ecil(P.O.), Hyderabad	1	2	3	0.03	0.04	0.04
305.	Punjab Engineering Coll, Chandigarh	2	1	3	0.06	0.02	0.04
306.	Ranchi Univ, Ranchi	2	1	3	0.06	0.02	0.04
307.	Research & Development Extablissement (Engrs), Pune	1	1	2	0.03	0.02	0.02
308.	Research Center Imarat, Hyderabad	2	1	3	0.06	0.02	0.04
309.	Research Design & Standards Organization, Lucknow	2	1	3	0.06	0.02	0.04
310.	Sambalpur Univ, Sambalpur	0	3	3	0.00	0.06	0.04
311.	Schlumberger Wireline & Testing, New Delhi	2	1	3	0.06	0.02	0.04
312.	Solar Energy Cent., New Delhi	2	1	3	0.06	0.02	0.04
313.	Sudarshan Chemical Industries Ltd, Pune	0	3	3	0.00	0.06	0.04
314.	Telecommunication Eng Centre, New Delhi	3	0	3	0.09	0.00	0.04
315.	Univ Campus, Indore	0	3	3	0.00	0.06	0.04
316.	Univ of Jodhpur, Jodhpur	2	1	3	0.06	0.02	0.04
317.	Univ of Kashmir, Srinagar	2	1	3	0.06	0.02	0.04
318.	Uranium Corp of India Ltd, Singhbhum	2	1	3	0.06	0.02	0.04
319.	Velagapudi Ramakrishna Siddhartha Engineering Coll, Hyderabad	0	3	3	0.00	0.06	0.04
320.	Widia (India) Ltd, Bangalore	1	1	2	0.03	0.02	0.02
321.	A.K.P.C. Mahabidyalaya, *Calcutta	0	2	2	0.00	0.04	0.02
322.	Administrative Staff Coll of India, Hyderabad	1	1	2	0.03	0.02	0.02
323.	Advanced Data Processing Research Inst, Hyderabad	1	1	2	0.03	0.02	0.02
324.	Agra Coll, Agra	1	1	2	0.03	0.02	0.02
325.	Agricultural Engineering Research Center, Pune	2	0	2	0.06	0.00	0.02
326.	Altos India Ltd, New Delhi	0	2	2	0.00	0.04	0.02
327.	Arts and Science Coll, Warangal	2	0	2	0.06	0.00	0.02
328.	Associated Cement Cos Ltd, Thane	1	1	2	0.03	0.02	0.02
329.	Atomic Energy Regulatory Board, Bombay	1	1	2	0.03	0.02	0.02
330.	B R Ambedkar Bihar Univ, *Patna	0	2	2	0.00	0.04	0.02
331.	B. N. Coll of Engineering, Pusad	0	2	2	0.00	0.04	0.02
332.	Battery Society of India, New Delhi	2	0	2	0.06	0.00	0.02
333.	Bhabha Atomic Research Cent, Hyderabad	2	0	2	0.06	0.00	0.02

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	(1)	(2)	(3)	(4)	(5)	(5)	(6)
334.	Bharat Gold Mines Ltd, Bangalore	2	0	2	0.06	0.00	0.02
335.	Bharat Heavy Electricals Ltd, Bhopal	1	1	2	0.03	0.02	0.02
336.	Bharat Heavy Plate & Vessels Ltd, Visakhapatnam	2	0	2	0.06	0.00	0.02
337.	Bidhan Chandra Krishi Viswavidyalaya, Nadia	1	1	2	0.03	0.02	0.02
338.	BMS Coll of Engineering, Bangalore	1	1	2	0.03	0.02	0.02
339.	BPL Ltd, Bangalore	0	2	2	0.00	0.04	0.02
340.	Brown Engineering India Ltd, Bangalore	1	1	2	0.03	0.02	0.02
341.	C.C.S. Haryana Agricultural Univ, Hisar	0	2	2	0.00	0.04	0.02
342.	C.I.T. Campus, Madras	0	2	2	0.00	0.04	0.02
343.	C.M. Coll, Sambapur	1	1	2	0.03	0.02	0.02
344.	Calcutta Port Trust, Calcutta	1	1	2	0.03	0.02	0.02
345.	Cent for Advanced Studies in Architecture, New Delhi	0	2	2	0.00	0.04	0.02
346.	Cent for Atmospheric Sciences, Delhi	1	1	2	0.03	0.02	0.02
347.	Cent for Development of Advanced Computing, Pune	1	1	2	0.03	0.02	0.02
348.	Cent for Earth Science Studies, Trivandrum	0	2	2	0.00	0.04	0.02
349.	Cent for Rural Development and Appropriate Technology, New Delhi	2	0	2	0.06	0.00	0.02
350.	Cent for Telecom Management & Studies, Secunderabad	1	1	2	0.03	0.02	0.02
351.	Cent of Energy Studies, New Delhi	1	1	2	0.03	0.02	0.02
352.	Central Inst of Plastics Engineering & Technology, Madras	1	1	2	0.03	0.02	0.02
353.	Central Pollution Control Board, Delhi	1	1	2	0.03	0.02	0.02
354.	Central Board of Irrigation & Power, New Delhi	1	1	2	0.03	0.02	0.02
355.	Central Scientific Instruments Organisation, Chandigarh	1	1	2	0.03	0.02	0.02
356.	Central Silk Board, Bangalore	1	1	2	0.03	0.02	0.02
357.	Central Soil and Materials Research Station, New Delhi	1	1	2	0.03	0.02	0.02
358.	Centre for Railway Inf Syst, New Delhi	1	0	1	0.03	0.00	0.01
359.	Chemical Research Inst, Bhaunagar	1	0	1	0.03	0.00	0.01
360.	Coll of Agricultural Engineering & Technology, Bhubaneswar	1	1	2	0.03	0.02	0.02
361.	Coll of Engineering, Farmagudi-Ponda-Goa	1	1	2	0.03	0.02	0.02
362.	Coll of Engineering, Kakinada	2	0	2	0.06	0.00	0.02
363.	CSIR Complex, Palampur	0	2	2	0.00	0.04	0.02
364.	CSIR, Jorhat	0	2	2	0.00	0.04	0.02
365.	CSS Foundation for Research in Finite Elements, Madurari	0	2	2	0.00	0.04	0.02
366.	Defence Electronics Research Lab, Hyderabad	2	0	2	0.06	0.00	0.02
367.	Defence Laboratory, Jodhpur	1	1	2	0.03	0.02	0.02
368.	Defence Res & Dev Organ, Bangalore	2	0	2	0.06	0.00	0.02
369.	Dep of Agricultural Chemistry and Soil Science, Nadia	0	2	2	0.00	0.04	0.02
370.	Dep of Metallurgical Engineering, Kanpur	2	0	2	0.06	0.00	0.02
371.	Dep of Physics, Ngpur	2	0	2	0.06	0.00	0.02

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(1)	(2)	(3)	(4)	(5)	(5)	(6)	
372.	Dep of Telecommunications, New Delhi	1	1	2	0.03	0.02	0.02
373.	Durgapur Government Coll, Durgapur	0	2	2	0.00	0.04	0.02
374.	Electronics & Radar Development Establishment, Bangalore	0	2	2	0.00	0.04	0.02
375.	Fluid Control Research Inst, Palghat	1	1	2	0.03	0.02	0.02
376.	Gammon India Ltd, Bombay	2	0	2	0.06	0.00	0.02
377.	Garhwal Univ, Garhwal	2	0	2	0.06	0.00	0.02
378.	Geological Survey of India, Nagpur	1	1	2	0.03	0.02	0.02
379.	Government (Autonomous) Coll, Kota	0	2	2	0.00	0.04	0.02
380.	Government Autonomous Science Coll, Jabalpur	0	2	2	0.00	0.04	0.02
381.	Government Engineering Coll, Bilaspur	1	1	2	0.03	0.02	0.02
382.	Government Engineering Coll, Farmagudi	0	2	2	0.00	0.04	0.02
383.	Ground Water Dep, Nagaur	2	0	2	0.06	0.00	0.02
384.	Ground Water Inst, Poona	0	2	2	0.00	0.04	0.02
385.	Gujarat Univ, Ahmedabd	0	2	2	0.00	0.04	0.02
386.	Himachal Pradesh Agricultural Univ, Palampur	1	1	2	0.03	0.02	0.02
387.	Hindustan Copper Ltd, Calcutta	2	0	2	0.06	0.00	0.02
388.	Howe (I) P. Ltd, New Delhi	1	1	2	0.03	0.02	0.02
389.	Indian Council of Agricultural Research, New Delhi	0	2	2	0.00	0.04	0.02
390.	Indian Council of Medical Research, Hyderabad	2	0	2	0.06	0.00	0.02
391.	Indian Inst of Geomagnetism, Bombay	0	2	2	0.00	0.04	0.02
392.	Indian Inst of Mechanics of Continua, *Calcutta	0	2	2	0.00	0.04	0.02
393.	Indian Inst of Remote Sensing, Dehradun	1	1	2	0.03	0.02	0.02
394.	Indian Inst of Sugarcane Research, Lucknow	1	1	2	0.03	0.02	0.02
395.	Indian Inst of Tropical Meteorology, New Delhi	2	0	2	0.06	0.00	0.02
396.	Indian Institute of Packaging, Bombay	2	0	2	0.06	0.00	0.02
397.	Indian Juste Industries Research Assoc, Calcutta	2	0	2	0.06	0.00	0.02
398.	Indian Military Acad, Dehradun	2	0	2	0.06	0.00	0.02
399.	Indian Statistical Inst, Bangalore	0	2	2	0.00	0.04	0.02
400.	Inst for Medical Sciences & Technology, Trivandrum	2	0	2	0.06	0.00	0.02
401.	Inst of Engineering & Ocean Technology, Panvel	2	0	2	0.06	0.00	0.02
402.	Inst-Industry Interaction Cell, Allahabad	0	2	2	0.00	0.04	0.02
403.	International Crops Res. Inst for the semi-Arid Tropics, Patacheru	1	0	1	0.03	0.00	0.01
404.	IOL Ltd, Calcutta	1	1	2	0.03	0.02	0.02
405.	Irrigation Works, Chandigarh	1	1	2	0.03	0.02	0.02
406.	Jai Narain Vyas Univ, Jodhpur	0	2	2	0.00	0.04	0.02
407.	Jamia Millia Islamia, New Delhi	1	1	2	0.03	0.02	0.02
408.	Janata Shikshana Samiti's (J.S.S.) College, Dharwad	0	2	2	0.00	0.04	0.02
409.	Kirloskar Oil Enginers Ltd, New Delhi	2	0	2	0.06	0.00	0.02
410.	Kota Thermal Power Station, Kota	0	2	2	0.00	0.04	0.02
411.	Krishak Bharati Cooperative Ltd, *Ahmebad	0	2	2	0.00	0.04	0.02
412.	Kuvempu Univ, Shimoga	0	2	2	0.00	0.04	0.02
413.	L.N. Mithila Univ, Darbhanga	1	1	2	0.03	0.02	0.02
414.	Lab for Electro-Optics Systems, Bangalore	0	2	2	0.00	0.04	0.02
415.	M.M. Coll, Modinagar	2	0	2	0.06	0.00	0.02

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(1)	(2)	(3)	(4)	(5)	(5)	(6)	
416.	M.N. Dastur & Co Ltd, Calcutta	0	2	2	0.00	0.04	0.02
417.	M.P. Council of Science and Technology, Bhopal	1	1	2	0.03	0.02	0.02
418.	Materials Science Cent, Kharagpur	0	2	2	0.00	0.04	0.02
419.	Mechcon Engineering Pvt Ltd, Ambarnath	0	2	2	0.00	0.04	0.02
420.	Meteorology and Oceanography Group, Ahmedabad	0	2	2	0.00	0.04	0.02
421.	Mineral Exploration Corp Ltd, Nagpur	2	0	2	0.06	0.00	0.02
422.	Ministry of Non-Conventional Energy Sources, New Delhi	1	1	2	0.03	0.02	0.02
423.	Ministry of Railway, Lucknow	1	1	2	0.03	0.02	0.02
424.	Ministry of Surface Transport, Chandigarh	2	0	2	0.06	0.00	0.02
425.	Ministry of Water Resources, New Delhi	2	0	2	0.06	0.00	0.02
426.	Mishra Dhatu Nigam Ltd, Hyderabad	1	1	2	0.03	0.02	0.02
427.	N.J.S.A. Government Coll, Kapurthala	0	2	2	0.00	0.04	0.02
428.	Natl Centre for Software Technology, Bombay	1	1	2	0.03	0.02	0.02
429.	Natl Dairy Research Inst, Karnal	2	0	2	0.06	0.00	0.02
430.	Natl Hydroelectric Power Corp Ltd, New Delhi	1	1	2	0.03	0.02	0.02
431.	Natl Inst for Training in Industrial engineering, Bombay	2	0	2	0.06	0.00	0.02
432.	Natl Inst of Engineering, Mysore	0	2	2	0.00	0.04	0.02
433.	Natl Inst of Industrial Engineering, Bombay	0	2	2	0.00	0.04	0.02
434.	Natl Inst of Mental Health and Neurosciences, Bangalore	0	2	2	0.00	0.04	0.02
435.	Natl Inst of Rock Mechanics, Kolar	0	2	2	0.00	0.04	0.02
436.	Natl Mineral Development Corp Ltd, Hyderabad	2	0	2	0.06	0.00	0.02
437.	Natl Radio & Electronics Co Ltd, Bombay	2	0	2	0.06	0.00	0.02
438.	Natl Sugar Inst, Kanpur	2	0	2	0.06	0.00	0.02
439.	Natl Thermal Power Corp Ltd, New Delhi	0	2	2	0.00	0.04	0.02
440.	NIIT Ltd, New Delhi	0	2	2	0.00	0.04	0.02
441.	North Bengal Medical Coll & Hospital, Darjeeling	0	2	2	0.00	0.04	0.02
442.	Presidency Coll, Madras	0	2	2	0.00	0.04	0.02
443.	Projects and Development India Ltd, Sindri	1	0	1	0.03	0.00	0.01
444.	R&D Div of Projects & Development India Ltd, Sindri	1	1	2	0.03	0.02	0.02
445.	Regional Engineering Coll, Hamirpur	2	0	2	0.06	0.00	0.02
446.	Rubber Technology Cent, Kharagpur	0	2	2	0.00	0.04	0.02
447.	S. S. L. Jain PG Coll, Vidisha	1	1	2	0.03	0.02	0.02
448.	S.N.D.T. Women's Univ, Bombay	0	2	2	0.00	0.04	0.02
449.	Saboo Engineers (P) Ltd	1	1	2	0.03	0.02	0.02
450.	Sarabhai Research Cent, Baroda	1	0	1	0.03	0.00	0.01
451.	Sardar Patel Coll of Engineering, Bombay	1	1	1	2	0.03	0.02
452.	Shri AMM Murugappa Chettiar Research Cent, Madras	2	0	2	0.06	0.00	0.02
453.	Shriram Inst for Industrial Research, Delhi	0	2	2	0.00	0.04	0.02
454.	Soc for Applied Microwave Electronics Engineering & Research, Bombay	1	1	2	0.03	0.02	0.02
455.	Solid State and Structural Chemistry Unit, Bangalore	0	2	2	0.00	0.04	0.02

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	(1)	(2)	(3)	(4)	(5)	(5)	(6)
456.	South Central Railway	0	2	2	0.00	0.04	0.02
457.	South Eastern Coalfields Ltd, Bilaspur	2	0	2	0.06	0.00	0.02
458.	Sri Venkateswara Univ Coll of Arts & Sciences, Tirupati	1	1	2	0.03	0.02	0.02
459.	St. Albert's Coll, Erankulam	0	2	2	0.00	0.04	0.02
460.	St. Andrew's Postgraduate Coll, Gorakhpur	1	1	2	0.03	0.02	0.02
461.	St. Edmund's Coll, Shillong	0	2	2	0.00	0.04	0.02
462.	Sukhadia Univ, Udaipur	2	0	2	0.06	0.00	0.02
463.	T.D.Post-Graduate Coll, Jaunpur	2	0	2	0.06	0.00	0.02
464.	Tata Consultancy Services, Bombay	1	1	2	0.03	0.02	0.02
465.	Tata Consulting Engineers, Bangalore	2	0	2	0.06	0.00	0.02
466.	Tata Elxsi(I) Ltd, Bangalore	0	2	2	0.00	0.04	0.02
467.	Tata Honeywell Ltd, Pune	1	1	2	0.03	0.02	0.02
468.	Tata Inst of Fundamental Research, Bangalore	2	0	2	0.06	0.00	0.02
469.	Technical Physics & Prototype Engineering Div, Trombay	2	0	2	0.06	0.00	0.02
470.	The South India Textile Research Assoc, Coimbatore	2	0	2	0.06	0.00	0.02
471.	U.P.State Electricity Board, Lucknow	2	0	2	0.06	0.00	0.02
472.	Univ of Calicut, Calicut	1	1	2	0.03	0.02	0.02
473.	Univ Science Instrumentation Cent Level II, Varanasi	1	1	2	0.03	0.02	0.02
474.	Victoria Jubilee Technical Inst, Bombay	1	1	2	0.03	0.02	0.02
475.	Washington Univ. Medical Sch., Jamshedpur	0	2	2	0.00	0.04	0.02
476.	18-c Miniland, Bombay	1	0	1	0.03	0.00	0.01
477.	3F Engineering Consultants Co Ltd	0	1	1	0.00	0.02	0.01
478.	96/C (LIGII), Hyderabad	0	1	1	0.00	0.02	0.01
479.	A.C.T. Electricity & Water	0	1	1	0.00	0.02	0.01
480.	Aari Encom Pvt. Ltd, Bombay	1	0	1	0.03	0.00	0.01
481.	ABC(I) Ltd., Hyderabad	0	1	1	0.00	0.02	0.01
482.	ACC-Babcock Ltd	0	1	1	0.00	0.02	0.01
483.	Acme Fluoro Polymers Ltd, Bombay	0	1	1	0.00	0.02	0.01
484.	ACTIONAID India, Bangalore	0	1	1	0.00	0.02	0.01
485.	Adhiparasakthi Engineering Coll, * Madras	0	1	1	0.00	0.02	0.01
486.	AFCONS, Bombay	1	0	1	0.03	0.00	0.01
487.	Agricultural Coll and Research Inst, Madurai	0	1	1	0.00	0.02	0.01
488.	Ahmedabad Study Action Group, Ahmedabad	1	0	1	0.03	0.00	0.01
489.	AIL Systems Inc	0	1	1	0.00	0.02	0.01
490.	Alipurduar Coll, Jalpaiguri	0	1	1	0.00	0.02	0.01
491.	All India Council for Technical Education, New Delhi	0	1	1	0.00	0.02	0.01
492.	All India Women's Conference, New Delhi	0	1	1	0.00	0.02	0.01
493.	Allen-Bradley India, New Delhi	0	1	1	0.00	0.02	0.01
494.	Alpha Project Services Pvt. Ltd, Baroda	0	1	1	0.00	0.02	0.01
495.	American Coll, Madurai	0	1	1	0.00	0.02	0.01
496.	Animal Welfare Organisation	0	1	1	0.00	0.02	0.01
497.	Aquabird Consultants, Bombay	0	1	1	0.00	0.02	0.01
498.	Arcus Technology Pvt Ltd, Bangalore	0	1	1	0.00	0.02	0.01
499.	Army HQ, New Delhi	1	0	1	0.03	0.00	0.01

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	(1)	(2)	(3)	(4)	(5)	(5)	(6)
500.	Assam Petrochemicals Ltd. *Guwahati	0	1	1	0.00	0.02	0.01
501.	Assistant Soil Survey Officer, Bilaspur	0	1	1	0.00	0.02	0.01
502.	ATV Projects India Ltd, Bombay	0	1	1	0.00	0.02	0.01
503.	Automotive Research Assoc of India	1	0	1	0.03	0.00	0.01
504.	Avas Vikas Sansthan, Jaipur	0	1	1	0.00	0.02	0.01
505.	B D Coll, Nagpur	0	1	1	0.00	0.02	0.01
506.	B.B.M.B., Haryana	0	1	1	0.00	0.02	0.01
507.	B.J.B. Coll, Bhubaneswar	0	1	1	0.00	0.02	0.01
508.	B.P.S. & Jr. Coll, Sarapaka	0	1	1	0.00	0.02	0.01
509.	Bangladesh Inst of Technology, Rajshahi	1	0	1	0.03	0.00	0.01
510.	Banki Coll, Cuttack	0	1	1	0.00	0.02	0.01
511.	Bapatla Engineering Coll, Bapatla	0	1	1	0.00	0.02	0.01
512.	Basic Science Coll, Bhubaneswar	1	0	1	0.03	0.00	0.01
513.	Basin Research Div, Dehradun	0	1	1	0.00	0.02	0.01
514.	Basirhat Coll, *Calcutta	0	1	1	0.00	0.02	0.01
515.	Behala Coll, Parnasree	0	1	1	0.00	0.02	0.01
516.	Bhabha Atomic Research Cent, Calcutta	1	0	1	0.03	0.00	0.01
517.	Bhakra Right Bank Power House, Bhakra	1	0	1	0.03	0.00	0.01
518.	Bharat Aluminium Company Ltd, Korba	0	1	1	0.00	0.02	0.01
519.	Bharat Heavy Electricals Ltd, Hardwar	0	1	1	0.00	0.02	0.01
520.	Bhavan's Coll, Bombay	1	0	1	0.03	0.00	0.01
521.	Bhilai Engineering Corp Ltd, Calcutta	0	1	1	0.00	0.02	0.01
522.	Bihar Alloy Steels Ltd, Calcutta	1	0	1	0.03	0.00	0.01
523.	Bihar Coll of Engineering, Patna	0	1	1	0.00	0.02	0.01
524.	Bihar Univ, Muzaffarpur	0	1	1	0.00	0.02	0.01
525.	Bihar Veterinary Coll, Patna	1	0	1	0.03	0.00	0.01
526.	Biomolecular Electronics and Conducting Polymer Research Group, New Delhi	0	1	1	0.00	0.02	0.01
527.	BNHS, Bombay	1	0	1	0.03	0.00	0.01
528.	Bombay Suburban Electric Supply Ltd, Bombay	1	0	1	0.03	0.00	0.01
529.	Bombay Textile Research Association, Bombay	1	0	1	0.03	0.00	0.01
530.	Bovis Construction Ltd, Baroda	1	0	1	0.03	0.00	0.01
531.	Burdwan Medical Coll, Hurdwan	1	0	1	0.03	0.00	0.01
532.	C.M.D.A, Calcutta	1	0	1	0.03	0.00	0.01
533.	C.R.S.Complex, Thane	1	0	1	0.03	0.00	0.01
534.	C4/6 Vasant Vihar, New Delhi	1	0	1	0.03	0.00	0.01
535.	Cadence Design Systems(India) Pvt Ltd, Noida	0	1	1	0.00	0.02	0.01
536.	Cadila Lab Pvt Ltd, Ahmedabad	1	0	1	0.03	0.00	0.01
537.	Camphor & Allied Products Ltd, Bareilly	1	0	1	0.03	0.00	0.01
538.	Carborundum Univ Ltd, Madras	0	1	1	0.00	0.02	0.01
539.	CBM Coll, Coimbatore	0	1	1	0.00	0.02	0.01
540.	CECRI Madras Unit, Madras	1	0	1	0.03	0.00	0.01
541.	Cement Corp of India Ltd, New Delhi	1	0	1	0.03	0.00	0.01
542.	Cement Research Inst, Lucknow	1	0	1	0.03	0.00	0.01
543.	Cent for Advanced Studies, Bombay	0	1	1	0.00	0.02	0.01
544.	Cent for Agriculture, Coimbatore	0	1	1	0.00	0.02	0.01

(Contd.....)

	(1)	(2)	(3)	(4)	(5)	(5)	(6)
545.	Cent for Applied Systems analysis in Development, Pune	1	0	1	0.03	0.00	0.01
546.	Cent for Artificial Intelligence & Robotics, Bangalore	0	1	1	0.00	0.02	0.01
547.	Cent for Atmospheric Sciences, Calcutta	0	1	1	0.00	0.02	0.01
548.	Cent for Cellular and Molecular Biology, Hyderabad	0	1	1	0.00	0.02	0.01
549.	Cent for Electrochemical and Energy Research, Madras	0	1	1	0.00	0.02	0.01
550.	Cent for Laser Technology, Kanpur	0	1	1	0.00	0.02	0.01
551.	Cent for Liquid Crystal Research, Bangalore	0	1	1	0.00	0.02	0.01
552.	Cent for Mathematical Sciences, Trivandrum	1	0	1	0.03	0.00	0.01
553.	Cent for Resour. Mgmt. and Eco-Development, Patna	0	1	1	0.00	0.02	0.01
554.	Cent for Systems and Devices, Madras	1	0	1	0.03	0.00	0.01
555.	Cent of Bomedical Engineering, New Delhi	1	0	1	0.03	0.00	0.01
556.	Cent of Energy Sciences, Patiala	1	0	1	0.03	0.00	0.01
557.	Cent of Plasma Physics, Guwahati	0	1	1	0.00	0.02	0.01
558.	Central Coalfields Ltd, Hazaribagh	1	0	1	0.03	0.00	0.01
559.	Central Coll, Bangalore	0	1	1	0.00	0.02	0.01
560.	Central Inst for Research on Cotton Technology, Bombay	1	0	1	0.03	0.00	0.01
561.	Central Inst of Medicinal & Aromatic Plants, Bangalore	0	1	1	0.00	0.02	0.01
562.	Central Inst of Medicinal & Aromatic Plants, Hyderabad	0	1	1	0.00	0.02	0.01
563.	Central Inst of Medicinal & Aromatic Plants, Nainital	0	1	1	0.00	0.02	0.01
564.	Central Inst of Road Transport, Pune	0	1	1	0.00	0.02	0.01
565.	Central Mechanical Engineering research Inst, Durgapur	1	0	1	0.03	0.00	0.01
566.	Central Power Research Inst, Trivandrum	0	1	1	0.00	0.02	0.01
567.	Central PWD(WZ), New Delhi	1	0	1	0.03	0.00	0.01
568.	Central R & D Lab, Udaipur	1	0	1	0.03	0.00	0.01
569.	Central Research Inst for Dryland Agriculture, Hyderabad	1	0	1	0.03	0.00	0.01
570.	Central Scientific Instruments Organisation (R&D Group), New Delhi	0	1	1	0.00	0.02	0.01
571.	Central Water Commission, New Delhi	1	0	1	0.03	0.00	0.01
572.	Centre for Biomedical Eng., New Delhi	0	1	1	0.00	0.02	0.01
573.	CEW, New Delhi	1	0	1	0.03	0.00	0.01
574.	Chemfab Alkalis, Ltd, Madras	0	1	1	0.00	0.02	0.01
575.	Chemical Engineering Div, Pune	0	1	1	0.00	0.02	0.01
576.	Chemithon Engineering Ltd, Bombay	0	1	1	0.00	0.02	0.01
577.	Chevron Petroleum Technology Co,	0	1	1	0.00	0.02	0.01
578.	Chitrakut Gramodaya Univ, Satna	0	1	1	0.00	0.02	0.01
579.	CHICO Bhuvan, Bombay	1	0	1	0.03	0.00	0.01
580.	CMDC Design Private Ltd, New Delhi	0	1	1	0.00	0.02	0.01
581.	Coal Survey Lab, Nagpur	1	0	1	0.03	0.00	0.01
582.	Coll of Engineering, Karnad	1	0	1	0.03	0.00	0.01

(Contd....)



	(1)	(2)	(3)	(4)	(5)	(5)	(6)
583.	Coll of Engineering, Trivandrum	1	0	1	0.03	0.00	0.01
584.	Coll of Fisheries, Mangalore	0	1	1	0.00	0.02	0.01
585.	Coll of Horticulture, Solan	0	1	1	0.00	0.02	0.01
586.	Coll of Technol & Agric Engineering, Udaipur	1	0	1	0.03	0.00	0.01
587.	COMNET Systems & Services, New Delhi	0	1	1	0.00	0.02	0.01
588.	Computer & Information Cent, Hyderabad	0	1	1	0.00	0.02	0.01
589.	Concept Lab Pvt Ltd, Aurangabad	0	1	1	0.00	0.02	0.01
590.	Consulting Engineering Services (I) Pvt.Ltd, New Delhi	0	1	1	0.00	0.02	0.01
591.	Coolflo Engineers Private Ltd, Bombay	0	1	1	0.00	0.02	0.01
592.	Coromandel Fertilisers Ltd, * Madras	0	1	1	0.00	0.02	0.01
593.	Corp of India Ltd, New Delhi	1	0	1	0.03	0.00	0.01
594.	CR State Coll of Engineering, Murthal	0	1	1	0.00	0.02	0.01
595.	CRM JAT Caol, Hisar	1	0	1	0.03	0.00	0.01
596.	CSIR, Bangalore	0	1	1	0.00	0.02	0.01
597.	CSIR, Calcutta	0	1	1	0.00	0.02	0.01
598.	CSMRS, New Delhi	0	1	1	0.00	0.02	0.01
599.	D.A.V. Coll, Muzaffarnagar	0	1	1	0.00	0.02	0.01
600.	D.B.F. Dayanand Coll of Arts and Science, Solapur	0	1	1	0.00	0.02	0.01
601.	D.N.Coll, Meerut	1	0	1	0.03	0.00	0.01
602.	D.N.R. Coll, Bhimavaram	0	1	1	0.00	0.02	0.01
603.	Dalal Consultants & Engineers Pvt. Ltd, Bombay	0	1	1	0.00	0.02	0.01
604.	Dalmia Inst of Scientific and Industrial Research, Rajganpur	1	0	1	0.03	0.00	0.01
605.	DBS Coll. Dehra Dun	1	0	1	0.03	0.00	0.01
606.	Defence Inst of Physiology and Allied Sciences, Delhi	0	1	1	0.00	0.02	0.01
607.	Degremont India Ltd	0	1	1	0.00	0.02	0.01
608.	Delhi Scan Research Cent, New Delhi	1	0	1	0.03	0.00	0.01
609.	Delhi Slum Clearance Board, New Delhi	1	0	1	0.03	0.00	0.01
610.	Deogiri Coll, Aurangabad	1	0	1	0.03	0.00	0.01
611.	Dep of Agriculture, Pune	1	0	1	0.03	0.00	0.01
612.	Dep of Applied Physics and Dep of Chemical Technology, Bombay	0	1	1	0.00	0.02	0.01
613.	Dep of Chemistry, Madras	1	0	1	0.03	0.00	0.01
614.	Dep of Local Government and Urban Development, New Delhi	1	0	1	0.03	0.00	0.01
615.	Dep of Mechanical Engineering, Madras	1	0	1	0.03	0.00	0.01
616.	Dep of Physics, Bangalore	0	1	1	0.00	0.02	0.01
617.	Dep of Physics, New Dehli	1	0	1	0.03	0.00	0.01
618.	Dep of Physics, Warangal	1	0	1	0.03	0.00	0.01
619.	Dep of Rubber Processing, Kottayam	1	0	1	0.03	0.00	0.01
620.	Dep of Studies in Physics, Mysore	1	0	1	0.03	0.00	0.01
621.	Desmet Chemfood Engineering Pvt. Ltd, Bombay	0	1	1	0.00	0.02	0.01
622.	Devki Energy Consultancy Pvt. Ltd, Baroda	0	1	1	0.00	0.02	0.01
623.	DMSRDF: Po, Kanpur	1	0	1	0.03	0.00	0.01
624.	Durgapur Projects Ltd, Durgapur	0	1	1	0.00	0.02	0.01

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(1)	(2)	(3)	(4)	(5)	(5)	(6)	
625.	Dyal Singh College, Karnal	0	1	1	0.00	0.02	0.01
626.	Dyes Research Lab, Bombay	1	0	1	0.03	0.00	0.01
627.	Earthquake Engineering Research Div, Pune	1	0	1	0.03	0.00	0.01
628.	Eastern Coalfields Ltd	0	1	1	0.00	0.02	0.01
629.	Elecon Engg.Co. Ltd, Vallabh Vidyanagar	1	0	1	0.03	0.00	0.01
630.	Electrical Engineering Dep. Madras	0	1	1	0.00	0.02	0.01
631.	Electrical Research & Development Assoc, Vadodara	0	1	1	0.00	0.02	0.01
632.	Electronics Niketan, New Delhi	0	1	1	0.00	0.02	0.01
633.	Electronics Research & Development Cent, Calcutta	0	1	1	0.00	0.02	0.01
634.	Electronics Research and Development Cent, Pune	0	1	1	0.00	0.02	0.01
635.	Elmech Electronics, Bombay	0	1	1	0.00	0.02	0.01
636.	Encon Engineers & Consultants, Bombay	0	1	1	0.00	0.02	0.01
637.	Engerprise Oil Exploration Ltd	0	1	1	0.00	0.02	0.01
638.	Engineering Coll, Allahabad	1	0	1	0.03	0.00	0.01
639.	Engineering Mechanics Research India (P) Ltd, Bangalore	0	1	1	0.00	0.02	0.01
640.	Environmental Engineering Co, Madras	0	1	1	0.00	0.02	0.01
641.	Environmental Engineering Research Inst, Nagpur	1	0	1	0.03	0.00	0.01
642.	Environmental Toxicology Lab, Santiniketan	0	1	1	0.00	0.02	0.01
643.	Esgee Polyflor India (P) Ltd, Bombay	0	1	1	0.00	0.02	0.01
644.	Explosives Research & Development lab, Hyderabad	1	0	1	0.03	0.00	0.01
645.	FACT, Cochin	1	0	1	0.03	0.00	0.01
646.	Fisher-Rosemount (India) Ltd, Bombay	0	1	1	0.00	0.02	0.01
647.	Flakt India Ltd, Calcutta	1	0	1	0.03	0.00	0.01
648.	Flothorn Consultants Pvt Ltd, Calcutta	0	1	1	0.00	0.02	0.01
649.	Forest Survey of India, DehraDun	1	0	1	0.03	0.00	0.01
650.	Foscoc Chemical (India) Ltd, Bangalore	0	1	1	0.00	0.02	0.01
651.	G. N. Coll of Science, Ballarpur	0	1	1	0.00	0.02	0.01
652.	Gandhigram Rural Inst, Gandhigram	0	1	1	0.00	0.02	0.01
653.	Ganesh Kutir, Bombay	0	1	1	0.00	0.02	0.01
654.	Gas Authority of India, New Delhi	1	0	1	0.03	0.00	0.01
655.	Gharda Chemicals Pvt Ltd, Thane	1	0	1	0.03	0.00	0.01
656.	Gondwana Engineers Pvt Ltd, Nagpur	0	1	1	0.00	0.02	0.01
657.	Government College of Technology, Coimbatore	1	0	1	0.03	0.00	0.01
658.	Government Coll of Engineering, Aurangabad	0	1	1	0.00	0.02	0.01
659.	Government Coll, Sawaimadhopur	1	0	1	0.03	0.00	0.01
660.	Government Engineering Coll, Goa	0	1	1	0.00	0.02	0.01
661.	Government Engineering Coll, Jagdalpur	0	1	1	0.00	0.02	0.01
662.	Government Miovam, Bhopal	0	1	1	0.00	0.02	0.01
663.	Government of Bihar, Patna	1	0	1	0.03	0.00	0.01
664.	Government of Gujarat, Ahambaded	0	1	1	0.00	0.02	0.01
665.	Government of Maharastra, Bombay	1	0	1	0.03	0.00	0.01
666.	Government of Orissa, Blubaneswar	0	1	1	0.00	0.02	0.01
667.	Government of West Bengal, Calcutta	0	1	1	0.00	0.02	0.01
668.	Govt. Inst of Science, Aurangabad	0	1	1	0.00	0.02	0.01
669.	Greater Bombay, bombay	1	0	1	0.03	0.00	0.01

(Contd.....)

	(1)	(2)	(3)	(4)	(5)	(5)	(6)
670.	Greater Cochin Development Authority, Cochin	0	1	1	0.00	0.02	0.01
671.	Guest Keen Williams Ltd, Calcutta	1	0	1	0.03	0.00	0.01
672.	Gujarat Communications & Electronics Ltd, Baroda	1	0	1	0.03	0.00	0.01
673.	Gulbarga University, Gulbarga	1	0	1	0.03	0.00	0.01
674.	H.C.Coll, Varanasi	1	0	1	0.03	0.00	0.01
675.	Hardcastle and Waud Mfg Co Ltd, Bombay	1	0	1	0.03	0.00	0.01
676.	Hari Shankar Singhanian Elastomer and Tyre Research Inst. Kankroli	0	1	1	0.00	0.02	0.01
677.	Herdillia Chemicals Ltd, Bombay	1	0	1	0.03	0.00	0.01
678.	Hindalco Industries Ltd, Renukoot	0	1	1	0.00	0.02	0.01
679.	Hindu Coll, Moradabad	0	1	1	0.00	0.02	0.01
680.	Hindu Girls Coll, Sonapat	0	1	1	0.00	0.02	0.01
681.	Hindustan Antibiotics Ltd, Pune	0	1	1	0.00	0.02	0.01
682.	Hindustan Coll of Engineering, Madras	0	1	1	0.00	0.02	0.01
683.	Hindustan Construction Co Ltd, Bombay	1	0	1	0.03	0.00	0.01
684.	Hindustan Polymers Ltd, Visakhapatnam	1	0	1	0.03	0.00	0.01
685.	IIMT Ltd, Nainital	0	1	1	0.00	0.02	0.01
686.	Holtec Engineers Private Ltd	0	1	1	0.00	0.02	0.01
687.	Hooghly Mohsin Coll, Hooghly	0	1	1	0.00	0.02	0.01
688.	HUDCO, New Delhi	1	0	1	0.03	0.00	0.01
689.	Hughes Software Systems, New Delhi	0	1	1	0.00	0.02	0.01
690.	Hutti Gold Mines Co Ltd, Hutti	1	0	1	0.03	0.00	0.01
691.	Hydro & Electrometallurgy Div, * Bhuvanewar	0	1	1	0.00	0.02	0.01
692.	I.D.D. Cent I.I.I., Delhi	0	1	1	0.00	0.02	0.01
693.	I.D.R. Unit, * Jaipur	0	1	1	0.00	0.02	0.01
694.	I.I.C.T, Hyderabad	1	0	1	0.03	0.00	0.01
695.	I.I.T., Guwahati	0	1	1	0.00	0.02	0.01
696.	I.I.T., Hyderabad	0	1	1	0.00	0.02	0.01
697.	IBP Co Ltd, Calcutta	1	0	1	0.03	0.00	0.01
698.	IDL Chemicals Ltd, Hyderabad	0	1	1	0.00	0.02	0.01
699.	IDL-Nitro Nobel Basic Research Inst, Bangalore	0	1	1	0.00	0.02	0.01
700.	India Habitat Cent, New Delhi	0	1	1	0.00	0.02	0.01
701.	Indian Agricultural Research Inst, Bhopal	1	0	1	0.03	0.00	0.01
702.	Indian Airlines Ltd, New Delhi	0	1	1	0.00	0.02	0.01
703.	Indian Assoc for the Advancement of Science, New Delhi	0	1	1	0.00	0.02	0.01
704.	Indian Council of Agricultural Research, Bombay	1	0	1	0.03	0.00	0.01
705.	Indian Council of Forestry Research & Education, Allahaba	0	1	1	0.00	0.02	0.01
706.	Indian Council of Medical Research, Bombay	0	1	1	0.00	0.02	0.01
707.	Indian Inst of Astrophysics, Bangalore	1	0	1	0.03	0.00	0.01
708.	Indian Inst of Chemical Engineering, Madras	0	1	1	0.00	0.02	0.01
709.	Indian Inst of Management, Bangalore	1	0	1	0.03	0.00	0.01
710.	Indian Inst of Quality Management, *Jaipur	0	1	1	0.00	0.02	0.01
711.	Indian Inst of Technology, Pune	0	1	1	0.00	0.02	0.01
712.	Indian Iron & Steel Co Ltd, *Patna	0	1	1	0.00	0.02	0.01

(Contd...)

(1)	(2)	(3)	(4)	(5)	(5)	(6)
713. Indian Railways, Patiala	0	1	1	0.00	0.02	0.01
714. Indian railways, Lucknow	1	0	1	0.03	0.00	0.01
715. Indian Soc for Technical Education, *Bangalore	0	1	1	0.00	0.02	0.01
716. Indian Statistical Inst, New Delhi	1	0	1	0.03	0.00	0.01
717. Indira Gandhi Nahar Board, * Jaipur	0	1	1	0.00	0.02	0.01
718. INSAT, Hassan	0	1	1	0.00	0.02	0.01
719. Inst for Systems Studies and Analyses, Delhi	0	1	1	0.00	0.02	0.01
720. Inst Mining Consultants Ltd	0	1	1	0.00	0.02	0.01
721. Inst of Advanced study in Science and Technology, Guwahati	0	1	1	0.00	0.02	0.01
722. Inst of Agriculture Engineering, Bhopal	1	0	1	0.03	0.00	0.01
723. Inst of Basic Sciences, Agra	0	1	1	0.00	0.02	0.01
724. Inst of Public Enterprise, Hyderabad	1	0	1	0.03	0.00	0.01
725. Inst of Rural Management, *Ahmedabad	0	1	1	0.00	0.02	0.01
726. Inst of Urban Management, Calcutta	1	0	1	0.03	0.00	0.01
727. Int Cent for Genetic Engineering and Biotechnology, New Delhi	0	1	1	0.00	0.02	0.01
728. Integrated Energy System Design and Major Hazards Control Centre	0	1	1	0.00	0.02	0.01
729. Inter Univ Cent for Astronomy & Astrophysics, Pune	0	1	1	0.00	0.02	0.01
730. Interim Test Range, Chandipur	0	1	1	0.00	0.02	0.01
731. Intersoftware Technologies(I) Ltd	0	1	1	0.00	0.02	0.01
732. IPP, Tiruchy	1	0	1	0.03	0.00	0.01
733. IRI, Roorkee	1	0	1	0.03	0.00	0.01
734. IRIT-UPS	0	1	1	0.00	0.02	0.01
735. Irrig & Power Res Inst, Amristar	1	0	1	0.03	0.00	0.01
736. Irrigation & Power, Jaipur	0	1	1	0.00	0.02	0.01
737. ISRO, Kharagpur	0	1	1	0.00	0.02	0.01
738. ISTE-CEP, Mysore	1	0	1	0.03	0.00	0.01
739. J.K. Synthetics Ltd, Kota	0	1	1	0.00	0.02	0.01
740. J.K. Coll, Purnia	1	0	1	0.03	0.00	0.01
741. Jain Irrigation Systems Ltd, Jalgaon	0	1	1	0.00	0.02	0.01
742. Jute Technological Research Lab, Calcutta	1	0	1	0.03	0.00	0.01
743. K.T.H.M. Coll, Nasik	0	1	1	0.00	0.02	0.01
744. Kalinga Iron Works, Matkamboda	0	1	1	0.00	0.02	0.01
745. KEM Hospital, Bombay	0	1	1	0.00	0.02	0.01
746. Kerala Forest Research Inst, Thissur	0	1	1	0.00	0.02	0.01
747. Khaitan Hostembe Spinels Ltd, Salem	0	1	1	0.00	0.02	0.01
748. Khalsa Coll, Patiala	0	1	1	0.00	0.02	0.01
749. Kirloskar Electric Co Ltd, Bangalore	0	1	1	0.00	0.02	0.01
750. Konkan Railway Corp Ltd	0	1	1	0.00	0.02	0.01
751. Kudremukh Iron Ore Co Ltd, Kudremukh	0	1	1	0.00	0.02	0.01
752. L.R.D.E., Bangalore	0	1	1	0.00	0.02	0.01
753. Lab Natl Botanical Research Inst, Lucknow	0	1	1	0.00	0.02	0.01
754. Lab of Polymers & Fibres, Bhuvaneshwara	1	0	1	0.03	0.00	0.01
755. Laxminarayanan Inst of Technology, Nagpur	0	1	1	0.00	0.02	0.01

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(1)	(2)	(3)	(4)	(5)	(5)	(6)	
756.	Lichenology Lab, Lucknow	0	1	1	0.00	0.02	0.01
757.	Liquid Propulsion systems Cent, Bangalore	1	0	1	0.03	0.00	0.01
758.	Liverpool John Moores Univ., *Bombay	0	1	1	0.00	0.02	0.01
759.	Lloyds Steel Industries Ltd, Wardha	0	1	1	0.00	0.02	0.01
760.	Los Alamos Natl Lab	0	1	1	0.00	0.02	0.01
761.	M.A.Coll of Technology, Bhopal	1	0	1	0.03	0.00	0.01
762.	M.D.U. P.G. Regional Center, Rewari	0	1	1	0.00	0.02	0.01
763.	M.L. Sukhadia Univ, Udaipur	0	1	1	0.00	0.02	0.01
764.	M.R.Engineering Coll, Jaipur	1	0	1	0.03	0.00	0.01
765.	M.S.E.B., Chandrapur	0	1	1	0.00	0.02	0.01
766.	M.V.Coll, Patna	1	0	1	0.03	0.00	0.01
767.	Madras Zonal Lab, Madras	0	1	1	0.00	0.02	0.01
768.	Maharajas Coll, Cochin	0	1	1	0.00	0.02	0.01
769.	Mahatma Gandhi Marg, Lucknow	0	1	1	0.00	0.02	0.01
770.	Maithon Dam, Dhanbad	0	1	1	0.00	0.02	0.01
771.	Malaria Research Cent, Ranipur-Hardwar	0	1	1	0.00	0.02	0.01
772.	Malti-Chem Research Cent, Nandesari	0	1	1	0.00	0.02	0.01
773.	Managanese Ore(I) Ltd, Nagpur	1	0	1	0.03	0.00	0.01
774.	Mandir Mang, New Delhi	0	1	1	0.00	0.02	0.01
775.	Marubeni Corp, Others	0	1	1	0.00	0.02	0.01
776.	Materials Div, New Delhi	0	1	1	0.00	0.02	0.01
777.	MBM Engineering Coll, Jodhpur	0	1	1	0.00	0.02	0.01
778.	McNally Bharat Engg. Co Ltd, Dhanbad	0	1	1	0.00	0.02	0.01
779.	Mechanical Handling Lab, Madras	0	1	1	0.00	0.02	0.01
780.	Meco Instruments Pvt. Ltd, Bombay	0	1	1	0.00	0.02	0.01
781.	Metallurgical & Engineering, Madras	1	0	1	0.03	0.00	0.01
782.	Metropolitan Transport Project (Railways), Madras	0	1	1	0.00	0.02	0.01
783.	Miland Coll of Sci, Aurangabad	1	0	1	0.03	0.00	0.01
784.	Minerals & Metals Trading Corp, New Delhi	1	0	1	0.03	0.00	0.01
785.	Ministry of Construction, New Delhi	1	0	1	0.03	0.00	0.01
786.	Ministry of Finance, New Delhi	0	1	1	0.00	0.02	0.01
787.	Ministry of Science & Technology, Calcutta	1	0	1	0.03	0.00	0.01
788.	Ministry of Urban Development, New Delhi	1	0	1	0.03	0.00	0.01
789.	MM Wave Device lab, Pilani	1	0	1	0.03	0.00	0.01
790.	MMH Coll, ghaziabad	1	0	1	0.03	0.00	0.01
791.	Mod. Lab, Bombay	0	1	1	0.00	0.02	0.01
792.	Motilal Vigyan Mahavidyalaya, Bhopal	0	1	1	0.00	0.02	0.01
793.	MTE Div, Jamshedpur	0	1	1	0.00	0.02	0.01
794.	Mukand Ltd, Bombay	0	1	1	0.00	0.02	0.01
795.	N.D.U.A.T, Faizabad	1	0	1	0.03	0.00	0.01
796.	N.I.C. District Informatics Cent, Guna	0	1	1	0.00	0.02	0.01
797.	N.U.P.G. Cent, Nuzvid	0	1	1	0.00	0.02	0.01
798.	Nagarjuna Coated Tubes Ltd, Hyderabad	1	0	1	0.03	0.00	0.01
799.	NALCO, Bhuvaneshwara	1	0	1	0.03	0.00	0.01

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	(1)	(2)	(3)	(4)	(5)	(5)	(6)
800.	National Inst for Training in Industrial Engineering, Bombay	1	0	1	0.03	0.00	0.01
801.	Natl Bur of Soil Survey and Land Use Planning, Bangalore	1	0	1	0.03	0.00	0.01
802.	Natl Coll, Bangalore	0	1	1	0.00	0.02	0.01
803.	Natl Inst of Bank Management, Pune	1	0	1	0.03	0.00	0.01
804.	Natl Inst of Construction Management & Research, Bombay	0	1	1	0.00	0.02	0.01
805.	Natl Inst of Immunology, New Delhi	0	1	1	0.00	0.02	0.01
806.	Natl Inst of Occupational Health, Ahmedabad	1	0	1	0.03	0.00	0.01
807.	Natl Inst of Science Technology & Development Studies, New Delhi	0	1	1	0.00	0.02	0.01
808.	Natl Natural Resources Management System, Bangalore	0	1	1	0.00	0.02	0.01
809.	Natl Productivity Council, New Delhi	0	1	1	0.00	0.02	0.01
810.	Natl Research Lab for Conservation, Lucknow	0	1	1	0.00	0.02	0.01
811.	Natl Test House, Calcutta	0	1	1	0.00	0.02	0.01
812.	Natl Transportation Planning & Research Cent, Trivandrum	1	0	1	0.03	0.00	0.01
813.	Network Ltd, New Delhi	0	1	1	0.00	0.02	0.01
814.	New Coll, Kollhapur	1	0	1	0.03	0.00	0.01
815.	NGEF Ltd, Bangalore	0	1	1	0.00	0.02	0.01
816.	NICCO Batteries Ltd, Delhi	1	0	1	0.03	0.00	0.01
817.	Nirlon synthetic Fibers & Chemicals Ltd, Bombay	1	0	1	0.03	0.00	0.01
818.	Nisarg Environmental Protection Agency, Gandhinagar	0	1	1	0.00	0.02	0.01
819.	Nixel Technology, Madras	0	1	1	0.00	0.02	0.01
820.	Non-conventional Energy Development Agency, Lucknow	0	1	1	0.00	0.02	0.01
821.	Northern India Text Research Assus, Ghaziabad	0	1	1	0.00	0.02	0.01
822.	Northern Regional Electricity Board, New Delhi	0	1	1	0.00	0.02	0.01
823.	Occidental Plastics & Polymers pvt Ltd, Ahmedabad	1	0	1	0.03	0.00	0.01
824.	Occupational Health Cent, Kanpur	1	0	1	0.03	0.00	0.01
825.	Octatube Space Structures (India) Pty Ltd	0	1	1	0.00	0.02	0.01
826.	Offshore Platform & Marine Electrochemistry Cent, Tuticorin	1	0	1	0.03	0.00	0.01
827.	ONGC	0	1	1	0.00	0.02	0.01
828.	Ore Dressing Div, Nagpur	1	0	1	0.03	0.00	0.01
829.	Orissa Renewable Energy Development Agency, Bhubaneswar	1	0	1	0.03	0.00	0.01
830.	P.A. Univ, Ludhiana	0	1	1	0.00	0.02	0.01
831.	P.G. Coll of Science, Hyderabad	0	1	1	0.00	0.02	0.01
832.	P.G.V. Mahavidyala, Gwalior	1	0	1	0.03	0.00	0.01
833.	P.M.B.Gujrati Science Coll, Indore	1	0	1	0.03	0.00	0.01
834.	Paradeep Phosphates Ltd, Paradeep	0	1	1	0.00	0.02	0.01
835.	Patna Univ, Patna	0	1	1	0.00	0.02	0.01

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(1)	(2)	(3)	(4)	(5)	(5)	(6)	
836.	Pesticides Assoc of India, New Delhi	1	0	1	0.03	0.00	0.01
837.	PFED/TPSD, *Thrivandrum	0	1	1	0.00	0.02	0.01
838.	PHTC, Kharagpur	0	1	1	0.00	0.02	0.01
839.	PIE & NDT Development, *Madras	0	1	1	0.00	0.02	0.01
840.	Planning Commission, New Delhi	1	0	1	0.03	0.00	0.01
841.	PO North Bengal Univ, Darjeeling	1	0	1	0.03	0.00	0.01
842.	POB 7151, Madras	0	1	1	0.00	0.02	0.01
843.	Post Graduate Coll, Ghazipur	1	0	1	0.03	0.00	0.01
844.	Post Graduate Dep of Microbiology & Botany, Hardwar	0	1	1	0.00	0.02	0.01
845.	Post Graduate Studies & Research in Chemistry, Jabalpur	1	0	1	0.03	0.00	0.01
846.	Post-Graduate Coll (O.U.)	0	1	1	0.00	0.02	0.01
847.	Postgraduate Inst of Medical Education and Research, Chandigarh	0	1	1	0.00	0.02	0.01
848.	Powder Metallurgy Div, Bombay	1	0	1	0.03	0.00	0.01
849.	Power Tech Associates, New Delhi	1	0	1	0.03	0.00	0.01
850.	Pragathi Maha Vidyalaya Coll	0	1	1	0.00	0.02	0.01
851.	Precision Automation and Robotics India, Pune	0	1	1	0.00	0.02	0.01
852.	Precision Fabrication & Assembly Facility, Trivandrum	0	1	1	0.00	0.02	0.01
853.	Promotion of Wastelands Development, New Delhi	0	1	1	0.00	0.02	0.01
854.	PSA Nitrogen Ltd, New Delhi	0	1	1	0.00	0.02	0.01
855.	PSI Data Systems Ltd, Bangalore	1	0	1	0.03	0.00	0.01
856.	PT Indo-Rama Sythetics	0	1	1	0.00	0.02	0.01
857.	Pulp and Paper Research Inst. *Bhubaneswar	0	1	1	0.00	0.02	0.01
858.	Punjab Remote Sensing Cent, Ludhiana	0	1	1	0.00	0.02	0.01
859.	Punjab State Council for Science & Technology, Chandigarh	0	1	1	0.00	0.02	0.01
860.	Punjab State Electricity Board, Chandigarh	0	1	1	0.00	0.02	0.01
861.	Punjab Wireless Syst. Ltd, Chandigarh	1	0	1	0.03	0.00	0.01
862.	PWD, Mumbai	0	1	1	0.00	0.02	0.01
863.	Quality Management Inst, New Delhi	1	0	1	0.03	0.00	0.01
864.	Queens Univ of Agricultural & Technology, Bhubaneswar	0	1	1	0.00	0.02	0.01
865.	R&D Cent for Iron & Steel, Ranchi	0	1	1	0.00	0.02	0.01
866.	R. P. Degree Coll, Farrukhabad	0	1	1	0.00	0.02	0.01
867.	R.C.F.Ltd, Bombay	1	0	1	0.03	0.00	0.01
868.	R.E.S. Photovoltaics Ltd, Hyderabad	0	1	1	0.00	0.02	0.01
869.	R.K.N.E.C., Nagpur	1	0	1	0.03	0.00	0.01
870.	Raiganj Coll, Dinajpur	0	1	1	0.00	0.02	0.01
871.	Railway Technical Sch. *Culcuttal	0	1	1	0.00	0.02	0.01
872.	Rajasthan Agricultural Univ, Udaipur	0	1	1	0.00	0.02	0.01
873.	Rajendra Argicultrual Univ, Pusa	1	0	1	0.03	0.00	0.01
874.	Rama Fertilisers Pvt. Ltd, *Ahmebad	0	1	1	0.00	0.02	0.01
875.	Ramakrishna Mission, Howrah	1	0	1	0.03	0.00	0.01

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	(1)	(2)	(3)	(4)	(5)	(5)	(6)
876.	Ramjas Coll, New Delhi	1	0	1	0.03	0.00	0.01
877.	Ramnarain Ruja Coll, Bombay	1	0	1	0.03	0.00	0.01
878.	Rathi Industrial Equipment Co. Pvt Ltd, Pune	0	1	1	0.00	0.02	0.01
879.	RD & DJ Coll, Munger	1	0	1	0.03	0.00	0.01
880.	RDCIS Sub-Cent, Ranchi	1	0	1	0.03	0.00	0.01
881.	Regional Remote sensing Service Cent, Dehradun	1	0	1	0.03	0.00	0.01
882.	Regional Remote Sensing Service Cent, Jodhpur	1	0	1	0.03	0.00	0.01
883.	Reliance Industries Ltd, New Delhi	0	1	1	0.00	0.02	0.01
884.	Research & Development Cent, Madras	1	0	1	0.03	0.00	0.01
885.	Resorcon. Inc	0	1	1	0.00	0.02	0.01
886.	RITES, New Delhi	0	1	1	0.00	0.02	0.01
887.	RSDO, Lucknow	1	0	1	0.03	0.00	0.01
888.	RST Consulting Engineers Pvt Ltd, *Guhawati	1	0	1	0.03	0.00	0.01
889.	RV Coll of Engineering, Bangalore	0	1	1	0.00	0.02	0.01
890.	S.A.M.E.E.R., Bombay	0	1	1	0.00	0.02	0.01
891.	S.B.W.Coll, Cuttack	1	0	1	0.03	0.00	0.01
892.	S.C.P.G.Coll	1	0	1	0.03	0.00	0.01
893.	S.D.Post Graduate Coll. Muzaffarnagar	1	0	1	0.03	0.00	0.01
894.	S.G.R.Coll Dobhi, Jaunpur	1	0	1	0.03	0.00	0.01
895.	S.J.Coll of Engineering & Technology, Surat	1	0	1	0.03	0.00	0.01
896.	S.M.M. Town P.G. Coll, Ballia	0	1	1	0.00	0.02	0.01
897.	Sabour Coll, Bhagalpur	0	1	1	0.00	0.02	0.01
898.	Sandvik Asia Ltd, Pune	1	0	1	0.03	0.00	0.01
899.	Sant Longowal Inst of Engineering and Technology, Longowal	0	1	1	0.00	0.02	0.01
900.	Santokba Durlabhji Memorial Hospital, Jaipur	1	0	1	0.03	0.00	0.01
901.	Saraf Chemicals Pvt Ltd, Bombay	0	1	1	0.00	0.02	0.01
902.	Sardar Patel Renewable Energy Research Inst, Vallabh vidyanagar	1	0	1	0.03	0.00	0.01
903.	Sardar Vallabhbhai Regional Coll of Eng & Technology, Surat	1	0	1	0.03	0.00	0.01
904.	Satcom, Bangalore	1	0	1	0.03	0.00	0.01
905.	Sch of Materials Science and Technology, Varanasi	0	1	1	0.00	0.02	0.01
906.	Sch of Planning & Architecture, New Delhi	1	0	1	0.03	0.00	0.01
907.	Scientific Analysis Group, Delhi	0	1	1	0.00	0.02	0.01
908.	Scientist DMRI., Kanchanbagh	1	0	1	0.03	0.00	0.01
909.	SDNB Vaishnav Coll for Women, Madras	1	0	1	0.03	0.00	0.01
910.	Semitronik Instruments. Ahmedabad	1	0	1	0.03	0.00	0.01
911.	SGS India Ltd, Bombay	0	1	1	0.00	0.02	0.01
912.	Shankarrao Mohite Mahavidyalaya. *Bombay	0	1	1	0.00	0.02	0.01
913.	Shri Warana Coll, Kolhapur	1	0	1	0.03	0.00	0.01
914.	Shriam Foods Fertiliser Industries, New Delhi	1	0	1	0.03	0.00	0.01
915.	Shriam Refrigeration Industries Ltd, Hyderabad	1	0	1	0.03	0.00	0.01
916.	Shukla Univ. Raipur	0	1	1	0.00	0.02	0.01
917.	Siemens Ltd, Bombay	0	1	1	0.00	0.02	0.01
918.	SIGMA Consultants Pvt. Ltd, Calcutta	0	1	1	0.00	0.02	0.01

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	(1)	(2)	(3)	(4)	(5)	(5)	(6)
919.	Sikka Engineering	0	1	1	0.00	0.02	0.01
920.	SM Dep of Electrical Engineering, New Delhi	0	1	1	0.00	0.02	0.01
921.	Soil & Water Conservation Engineering, Pantanagar	1	0	1	0.03	0.00	0.01
922.	Solid State Lab, Sagar	0	1	1	0.00	0.02	0.01
923.	Solker Enterprises PVT Ltd, Madras	0	1	1	0.00	0.02	0.01
924.	Southern Coll of Technology	0	1	1	0.00	0.02	0.01
925.	Space Commission Government of India, New Delhi	0	1	1	0.00	0.02	0.01
926.	SPIC Science Foundation, Madras	0	1	1	0.00	0.02	0.01
927.	Sri Sathva Sai Inst of Higher Learning, Prasanthinlgvam	0	1	1	0.00	0.02	0.01
928.	Srinagar Hydro-Electric Projects, Dehradun	1	0	1	0.03	0.00	0.01
929.	SSGM Coll of Engineering, Shegaon	0	1	1	0.00	0.02	0.01
930.	St Paul's coll. Cochin	1	0	1	0.03	0.00	0.01
931.	St. Xavier's Coll, Bombay	0	1	1	0.00	0.02	0.01
932.	St. Xavier's Coll, Palayamkottai	0	1	1	0.00	0.02	0.01
933.	State Public Health Lab, Pune	0	1	1	0.00	0.02	0.01
934.	Stromtek Automation, Madras	0	1	1	0.00	0.02	0.01
935.	STUP Consultants Ltd, Calcutta	1	0	1	0.03	0.00	0.01
936.	Sucro Consult Int, New Delhi	0	1	1	0.00	0.02	0.01
937.	Sundram Fasteners Ltd, Hyderabad	0	1	1	0.00	0.02	0.01
938.	Supertech Industrial and Management Consultants Pvt. Ltd, Hyderabad	0	1	1	0.00	0.02	0.01
939.	Suratgarh Thermal Power Project, Suratgarh	0	1	1	0.00	0.02	0.01
940.	Synthetics and Chemicals Ltd, Barcilly	0	1	1	0.00	0.02	0.01
941.	Systems Research Inst, Pune	0	1	1	0.00	0.02	0.01
942.	T.K.M. Coll of Engineering, Kollam	0	1	1	0.00	0.02	0.01
943.	T.M.V. Colony	0	1	1	0.00	0.02	0.01
944.	T.N.B. College, Bhagalpur	0	1	1	0.00	0.02	0.01
945.	Tamil Nadu Electricity Board, Madras	1	0	1	0.03	0.00	0.01
946.	Tamil Nadu State Slum Clearance Board, Madras	1	0	1	0.03	0.00	0.01
947.	Tamil University, Thanjavur	1	0	1	0.03	0.00	0.01
948.	Tandon Consultants Pvt Ltd, New Delhi	0	1	1	0.00	0.02	0.01
949.	Tata Consultancy Services, Calcutta	0	1	1	0.00	0.02	0.01
950.	Tata Electric Companies, Bombay	0	1	1	0.00	0.02	0.01
951.	Tata Management Training Centre, Pune	0	1	1	0.00	0.02	0.01
952.	Tata-Robins-Fraser Ltd, Jamshedpur	1	0	1	0.03	0.00	0.01
953.	TEC, New Delhi	0	1	1	0.00	0.02	0.01
954.	Technical Univ of Geology and Mining	0	1	1	0.00	0.02	0.01
955.	Techno Machintel Pvt Ltd, Calcutta	1	0	1	0.03	0.00	0.01
956.	Telecom Quality Assurance circle, Bangalore	1	0	1	0.03	0.00	0.01
957.	Terminal Ballistics Research Lab, Chandigarh	0	1	1	0.00	0.02	0.01
958.	Titanium Equipment and Anode Manufacturin Co, Madras	0	1	1	0.00	0.02	0.01
959.	Trieste Univ, Kampur	1	0	1	0.03	0.00	0.01
960.	Tripura Engineering Coll, *Tripura	0	1	1	0.00	0.02	0.01
961.	Triveni Engg Works Ltd, New Delhi	0	1	1	0.00	0.02	0.01

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(1)	(2)	(3)	(4)	(5)	(5)	(6)	
962.	TITI, Taramani	1	0	1	0.03	0.00	0.01
963.	Tuberculosis Research Cent, Amargadh	0	1	1	0.00	0.02	0.01
964.	U.P.Coll Varanasi, Varanasi	1	0	1	0.03	0.00	0.01
965.	U.P.PWD, Roorkee	1	0	1	0.03	0.00	0.01
966.	U.P.State Bridge Corp, Lucknow	1	0	1	0.03	0.00	0.01
967.	Ultrasonic Society of India, Delhi	1	0	1	0.03	0.00	0.01
968.	UNDP-GEF Hilly Hydro Project	0	1	1	0.00	0.02	0.01
969.	United Accumulators Private Ltd, Corlim-Goa	0	1	1	0.00	0.02	0.01
970.	United Bank of India, Calcutta	1	0	1	0.03	0.00	0.01
971.	Univ Campus, Nagpur	0	1	1	0.00	0.02	0.01
972.	Univ Coll for Women, Hyderabad	1	0	1	0.03	0.00	0.01
973.	Univ Coll of Science, *Jaipur	1	0	1	0.03	0.00	0.01
974.	Univ Coll, Raiganj	0	1	1	0.00	0.02	0.01
975.	Univ Coll, Uttar Dinajpur (WB)	0	1	1	0.00	0.02	0.01
976.	Univ Consortium for DAE Facilities, Indore	0	1	1	0.00	0.02	0.01
977.	Univ of Agricultural Sciences, Dharwad	0	1	1	0.00	0.02	0.01
978.	Univ of Science and Technology, Cochin	0	1	1	0.00	0.02	0.01
979.	Univ of Sriwijaya, Palembang	0	1	1	0.00	0.02	0.01
980.	Univ Polytechnic, New Delhi	0	1	1	0.00	0.02	0.01
981.	Vasant Enclave, New Delhi	1	0	1	0.03	0.00	0.01
982.	Vasavi Coll of Engineering, Hyderabad	0	1	1	0.00	0.02	0.01
983.	Vashi, New Bombay	1	0	1	0.03	0.00	0.01
984.	Videsh Sanchar Nigam Ltd, Bombay	1	0	1	0.03	0.00	0.01
985.	Vigyan Kancha, Hyderabad	0	1	1	0.00	0.02	0.01
986.	Visakhapatnam Port Trust, Visakhapatnam	1	0	1	0.03	0.00	0.01
987.	Vivekananda Coll, Agasteeswaram	1	0	1	0.03	0.00	0.01
988.	Vivekananda Coll, Madras	0	1	1	0.00	0.02	0.01
989.	Wadia Inst of Himalayan Geology, Dehradun	1	0	1	0.03	0.00	0.01
990.	Water Quality & Environment Div, *Thrivandrum	0	1	1	0.00	0.02	0.01
991.	regional Research Lab, Bhubaneswar	0	1	1	0.00	0.02	0.01
992.	Welding Research Inst, Tiruchirapalli	1	0	1	0.03	0.00	0.01
993.	Western India Industries, Pune	1	0	1	0.03	0.00	0.01
994.	WIMCO Ltd, Bombay	1	0	1	0.03	0.00	0.01
995.	Wipro Infotech Ltd, Bangalore	0	1	1	0.00	0.02	0.01
996.	Y.S. Parmar Univ of Horticulture and Forestry, Solan	0	1	1	0.00	0.02	0.01
997.	Yeshwantrao Chavan Coll of Engineering, Nagpur	0	1	1	0.00	0.02	0.01
998.	Z.H.Coll of Eng & Tech, Aligarh	1	0	1	0.03	0.00	0.01
999.	Zuari Agro Chemicals Ltd, Zuarinagar	0	1	1	0.00	0.02	0.01
No. of records without any City or State or Institutions	43 <del>98</del>	96 <del>43</del>	141	2.78	0.89	1.69	
<b>TOTAL</b>	<b>3520</b>	<b>4829</b>	<b>8349</b>	<b>100.86</b>	<b>99.10</b>	<b>98.70</b>	

NOTE: \* Only state is known, hence the institute is considered under state capital

Table : 7

**Indian Cities Contributing in the field of Engineering  
As seen from COMPENDEX Plus Database in 1990 & 94  
(arranged according to total number of papers)**

Sl. No.	City (1)	No. of Papers			Percentages		
		1990 (2)	1994 (3)	Total (4)	1990 (5)	1994 (6)	Total (7)
1.	New Delhi	404	509	913	11.48	10.54	10.94
2.	Bombay	360	486	846	10.23	10.06	10.13
3.	Bangalore	300	448	748	8.52	9.28	8.96
4.	Chennai	283	374	657	8.04	7.74	7.87
5.	Calcutta	175	305	480	4.97	6.32	5.75
6.	Hyderabad	175	205	380	4.97	4.25	4.55
7.	Kharagpur	148	231	379	4.20	4.78	4.54
8.	Pune	120	141	261	3.41	2.92	3.13
9.	Kanpur	118	132	250	3.35	2.73	2.99
10.	Varanasi	100	102	202	2.84	2.11	2.42
11.	Roorkee	93	83	176	2.64	1.72	2.11
12.	Trivandrum	70	87	157	1.99	1.80	1.88
13.	Dhanbad	54	54	108	1.53	1.12	1.29
14.	Kalpakkam	39	54	93	1.11	1.12	1.11
15.	Indore	24	62	86	0.68	1.28	1.03
16.	Tirupati	38	43	81	1.08	0.89	0.97
17.	Dehra Dun	39	38	77	1.11	0.79	0.92
18.	Bhubaneswar	30	40	70	0.85	0.83	0.84
19.	Jamshedpur	29	40	69	0.82	0.83	0.83
20.	Nagpur	29	38	67	0.82	0.79	0.80
21.	Lucknow	26	40	66	0.74	0.83	0.79
22.	Cochin	18	47	65	0.51	0.97	0.78
23.	Karaiikudi	21	42	63	0.60	0.87	0.75
24.	Baroda	22	38	60	0.63	0.79	0.72
25.	Aligarh	32	27	59	0.91	0.56	0.71
26.	Ahmedabad	21	35	56	0.60	0.72	0.67
27.	Jaipur	19	32	51	0.54	0.66	0.61
28.	Mysore	20	31	51	0.57	0.64	0.61
29.	Chandigarh	14	34	48	0.40	0.70	0.57
30.	Coimbatore	21	26	47	0.60	0.54	0.56
31.	Vallabhvidyanagar	18	27	45	0.51	0.56	0.54
32.	Allahabad	22	21	43	0.63	0.43	0.52
33.	Bhopal	13	29	42	0.37	0.60	0.50
34.	Kolhapur	18	24	42	0.51	0.50	0.50
35.	Dona Paula Goa	26	12	38	0.74	0.25	0.46
36.	Jorhat	9	29	38	0.26	0.60	0.46
37.	Ranchi	23	12	35	0.65	0.25	0.42
38.	Bhavnagar	23	10	33	0.65	0.21	0.40
39.	Dharwad	13	20	33	0.37	0.41	0.40
40.	Visakhapatnam	9	24	33	0.26	0.50	0.40

(Contd.....)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
41.	Tiruchinapalli	12	18	30	0.34	0.37	0.36
42.	Amritsar	22	7	29	0.63	0.14	0.35
43.	Burdwan	17	11	28	0.48	0.23	0.34
44.	Meerut	10	18	28	0.28	0.37	0.34
45.	Jabalpur	6	20	26	0.17	0.41	0.31
46.	Pilani	11	15	26	0.31	0.31	0.31
47.	Patiala	14	10	24	0.40	0.21	0.29
48.	Kurukshetra	12	11	23	0.34	0.23	0.28
49.	Jodhpur	12	10	22	0.34	0.21	0.26
50.	Madurai	5	17	22	0.14	0.35	0.26
51.	Raipur	7	15	22	0.20	0.31	0.26
52.	Waltair	19	3	22	0.54	0.06	0.26
53.	Rohtak	3	18	21	0.09	0.37	0.25
54.	Thane	14	7	21	0.40	0.14	0.25
55.	Warangal	11	10	21	0.31	0.21	0.25
56.	Ludhiana	10	10	20	0.28	0.21	0.24
57.	Agra	6	13	19	0.17	0.27	0.23
58.	*Bhuvanewar	5	13	18	0.14	0.27	0.22
59.	Darjeeling	5	12	17	0.14	0.25	0.20
60.	Gorakhpur	8	9	17	0.23	0.19	0.20
61.	Durgapur	11	5	16	0.31	0.10	0.19
62.	Nagarjunanagar	12	4	16	0.34	0.08	0.19
63.	Pantnagar	9	7	16	0.26	0.14	0.19
64.	Patna	11	4	15	0.31	0.08	0.18
65.	*Calcutta	0	14	14	0.00	0.29	0.17
66.	Kottayam	2	12	14	0.06	0.25	0.17
67.	Santiniketan	7	6	13	0.20	0.12	0.16
68.	Aurangabad	6	6	12	0.17	0.12	0.14
69.	Gwalior	5	7	12	0.14	0.14	0.14
70.	Anantapur	6	5	11	0.17	0.10	0.13
71.	Hassan	8	3	11	0.23	0.06	0.13
72.	Hisar	5	6	11	0.14	0.12	0.13
73.	Shillong	5	6	11	0.14	0.12	0.13
74.	Ghaziabad	3	7	10	0.09	0.14	0.12
75.	Surathkal	2	8	10	0.06	0.17	0.12
76.	Udaipur	6	4	10	0.17	0.08	0.12
77.	Annamalainagar	1	8	9	0.03	0.17	0.11
78.	Howrah	5	4	9	0.14	0.08	0.11
79.	Pondicherry	2	7	9	0.06	0.14	0.11
80.	Rajkot	6	3	9	0.17	0.06	0.11
81.	Shimla	3	6	9	0.09	0.12	0.11
82.	*Goa	0	8	8	0.00	0.17	0.10
83.	Imphal	3	5	8	0.09	0.10	0.10
84.	Jammu	1	7	8	0.03	0.14	0.10
85.	Kalyani	2	6	8	0.06	0.12	0.10
86.	Karnal	6	2	8	0.17	0.04	0.10
87.	Kurnool	0	8	8	0.00	0.17	0.10

(Contd.....)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
88.	Mangalore	2	6	8	0.06	0.12	0.10
89.	*Chandigarh	0	7	7	0.00	0.14	0.08
90.	Berhampur	4	3	7	0.11	0.06	0.08
91.	Faridabad	1	6	7	0.03	0.12	0.08
92.	Kota	2	5	7	0.06	0.10	0.08
93.	Noida	3	4	7	0.09	0.08	0.08
94.	Pashan	0	7	7	0.00	0.14	0.08
95.	Srinagar	5	2	7	0.14	0.04	0.08
96.	Surat	3	4	7	0.09	0.08	0.08
97.	Vijayawada	5	2	7	0.14	0.04	0.08
98.	*Patna	0	6	6	0.00	0.12	0.07
99.	Calicut	5	1	6	0.14	0.02	0.07
100.	Guwahati	0	6	6	0.00	0.12	0.07
101.	Panel	6	0	6	0.17	0.00	0.07
102.	Rourkela	2	4	6	0.06	0.08	0.07
103.	Ujjain	3	3	6	0.09	0.06	0.07
104.	*Jaipur	2	3	5	0.06	0.06	0.06
105.	Bhagalpur	1	4	5	0.03	0.08	0.06
106.	Bilaspur	3	2	5	0.09	0.04	0.06
107.	Cuttack	4	1	5	0.11	0.02	0.06
108.	Gandhinagar	0	5	5	0.00	0.10	0.06
109.	Guna	0	5	5	0.00	0.10	0.06
110.	Izatnagar	3	2	5	0.09	0.04	0.06
111.	Jalpaiguri	3	2	5	0.09	0.04	0.06
112.	Jammu Tawi	2	3	5	0.06	0.06	0.06
113.	Nainital	2	3	5	0.06	0.06	0.06
114.	*Ahmebad	0	4	4	0.00	0.08	0.05
115.	*Dispur	0	4	4	0.00	0.08	0.05
116.	*Thrivandrum	0	4	4	0.00	0.08	0.05
117.	Anand	1	3	4	0.03	0.06	0.05
118.	Damanjodi	4	0	4	0.11	0.00	0.05
119.	Kakinada	2	2	4	0.06	0.04	0.05
120.	Muzaffarnagar	2	2	4	0.06	0.04	0.05
121.	Nanded	0	4	4	0.00	0.08	0.05
122.	Palampur	2	2	4	0.06	0.04	0.05
123.	Sahibabad	3	1	4	0.09	0.02	0.05
124.	*Chennai	0	3	3	0.00	0.06	0.04
125.	Bathinda	3	0	3	0.09	0.00	0.04
126.	Darbhanga	2	1	3	0.06	0.02	0.04
127.	Itanagar	0	3	3	0.00	0.06	0.04
128.	Jaunpur	3	0	3	0.09	0.00	0.04
129.	Kankroli	0	3	3	0.00	0.06	0.04
130.	Kozhikode	2	1	3	0.06	0.02	0.04
131.	Malegaon Camp	0	3	3	0.00	0.06	0.04
132.	Nadia	0	3	3	0.00	0.06	0.04

(Contd.....)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
133.	Neyveli	1	2	3	0.03	0.04	0.04
134.	Pusa	1	2	3	0.03	0.04	0.04
135.	Sambalpur	0	3	3	0.00	0.06	0.04
136.	Secunderabad	0	3	3	0.00	0.06	0.04
137.	Sindri	2	1	3	0.06	0.02	0.04
138.	Solapur	0	3	3	0.00	0.06	0.04
139.	*Bombay	0	2	2	0.00	0.04	0.02
140.	Amarnath	0	2	2	0.00	0.04	0.02
141.	Bareilly	1	1	2	0.03	0.02	0.02
142.	Bharatpur	0	2	2	0.00	0.04	0.02
143.	Duliajan	2	0	2	0.06	0.00	0.02
144.	Erankulam	0	2	2	0.00	0.04	0.02
145.	Farmagudi	0	2	2	0.00	0.04	0.02
146.	Garhwal	2	0	2	0.06	0.00	0.02
147.	Hardwar	0	2	2	0.00	0.04	0.02
148.	Kapurthala	0	2	2	0.00	0.04	0.02
149.	Kolar	0	2	2	0.00	0.04	0.02
150.	Koraput	0	2	2	0.00	0.04	0.02
151.	Modinagar	2	0	2	0.06	0.00	0.02
152.	Nuzvid	0	2	2	0.00	0.04	0.02
153.	Palghat	1	1	2	0.03	0.02	0.02
154.	Patancheru	2	0	2	0.06	0.00	0.02
155.	Raiganj	1	1	2	0.03	0.02	0.02
156.	Sagar	1	1	2	0.03	0.02	0.02
157.	Shimoga	0	2	2	0.00	0.04	0.02
158.	Singhbhum	2	0	2	0.06	0.00	0.02
159.	Solan	0	2	2	0.00	0.04	0.02
160.	Sriharikota	2	0	2	0.06	0.00	0.02
161.	*Bangalore	0	1	1	0.00	0.02	0.01
162.	*Bhopal	0	1	1	0.00	0.02	0.01
163.	*Lucknow	0	1	1	0.00	0.02	0.01
164.	*Lucknow	0	1	1	0.00	0.02	0.01
165.	*Tripura	0	1	1	0.00	0.02	0.01
166.	Agasteeswaram	0	1	1	0.00	0.02	0.01
167.	Amargadh	0	1	1	0.00	0.02	0.01
168.	Ballarpur	0	1	1	0.00	0.02	0.01
169.	Ballia	0	1	1	0.00	0.02	0.01
170.	Bapatla	0	1	1	0.00	0.02	0.01
171.	Barapani	0	1	1	0.00	0.02	0.01
172.	Bellary	0	1	1	0.00	0.02	0.01
173.	Bhakra	1	0	1	0.03	0.00	0.01
174.	Bhimavaram	0	1	1	0.00	0.02	0.01
175.	Chandipur	0	1	1	0.00	0.02	0.01
176.	Chandrapur	0	1	1	0.00	0.02	0.01
177.	Chatrapur	0	1	1	0.00	0.02	0.01
178.	Dinajpur	0	1	1	0.00	0.02	0.01
179.	Farrukhabad	0	1	1	0.00	0.02	0.01

(Contd.....)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
180.	Gandhigram	0	1	1	0.00	0.02	0.01
181.	Gulbarga	1	0	1	0.03	0.00	0.01
182.	Gunindy	1	0	1	0.03	0.00	0.01
183.	Hamirpur	1	0	1	0.03	0.00	0.01
184.	Hazaribagh	1	0	1	0.03	0.00	0.01
185.	Hooghly	0	1	1	0.00	0.02	0.01
186.	Hutti	1	0	1	0.03	0.00	0.01
187.	Jagdalpur	0	1	1	0.00	0.02	0.01
188.	Jalgaon	0	1	1	0.00	0.02	0.01
189.	Jhanjra	0	1	1	0.00	0.02	0.01
190.	Kanchanbagh	1	0	1	0.03	0.00	0.01
191.	Kariavattom	0	1	1	0.00	0.02	0.01
192.	Karnad	1	0	1	0.03	0.00	0.01
193.	Kollam	0	1	1	0.00	0.02	0.01
194.	Korba	0	1	1	0.00	0.02	0.01
195.	Kudremukh	0	1	1	0.00	0.02	0.01
196.	Longowal	0	1	1	0.00	0.02	0.01
197.	Manak Nagar	1	0	1	0.03	0.00	0.01
198.	Matkambeda	0	1	1	0.00	0.02	0.01
199.	Moradabad	0	1	1	0.00	0.02	0.01
200.	Munger	1	0	1	0.03	0.00	0.01
201.	Murthal	0	1	1	0.00	0.02	0.01
202.	Nandesar	0	1	1	0.00	0.02	0.01
203.	Nangal	0	1	1	0.00	0.02	0.01
204.	Nasik	0	1	1	0.00	0.02	0.01
205.	Nirjuli	0	1	1	0.00	0.02	0.01
206.	Palayankottai	0	1	1	0.00	0.02	0.01
207.	Palembang	0	1	1	0.00	0.02	0.01
208.	Paradcep	0	1	1	0.00	0.02	0.01
209.	Parnasree	0	1	1	0.00	0.02	0.01
210.	Prasanthintlgvam	0	1	1	0.00	0.02	0.01
211.	Purulia	1	0	1	0.03	0.00	0.01
212.	Rajganpur	1	0	1	0.03	0.00	0.01
213.	Ranipur Hardwar	0	1	1	0.00	0.02	0.01
214.	Renukoot	0	1	1	0.00	0.02	0.01
215.	Rewari	0	1	1	0.00	0.02	0.01
216.	Salem	0	1	1	0.00	0.02	0.01
217.	Sambapur	0	1	1	0.00	0.02	0.01
218.	Sarapaka	0	1	1	0.00	0.02	0.01
219.	SAS Nagar	0	1	1	0.00	0.02	0.01
220.	Satna	0	1	1	0.00	0.02	0.01
221.	Sawaimadhopur	1	0	1	0.03	0.00	0.01
222.	Shegaon	0	1	1	0.00	0.02	0.01
223.	Silcher	0	1	1	0.00	0.02	0.01
224.	Sonepat	0	1	1	0.00	0.02	0.01
225.	Suratgarh	0	1	1	0.00	0.02	0.01
226.	Taramani	1	0	1	0.03	0.00	0.01

(Contd....)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
227.	Thanjavur	1	0	1	0.03	0.00	0.01
228.	Tuticorin	1	0	1	0.03	0.00	0.01
229.	Uttar Dinajpur (WB)	0	1	1	0.00	0.02	0.01
230.	Vidisha	0	1	1	0.00	0.02	0.01
231.	Wardha	0	1	1	0.00	0.02	0.01
232.	Zuarinagar	0	1	1	0.00	0.02	0.01
	Others	4	47	51	0.11	0.97	0.61
	No. of records without any institutions	43	98	141	1.22	2.03	1.69
	<b>Total</b>	<b>3520</b>	<b>4829</b>	<b>8349</b>	<b>100.14</b>	<b>99.76</b>	<b>99.85</b>

Note: 1 \* = Only the state is known, hence the Institute is considered under state capital  
2 other = Place or state is not given, only Institute name is given



Table : 8

**Indian States Contributing in the field of Engineering  
as seen from COMPENDEX Plus database in 1990 and 94  
(arranged by total number of papers)**

Sl. No.	State	No. of Papers			Percentages		
		1990	1994	Total	1990	1994	Total
1.	Maharastra	553	730	1283	15.71	15.12	15.37
2.	West Bengal	393	614	1007	11.16	12.71	12.06
3.	Delhi	408	509	917	11.59	10.54	10.98
4.	Tamil Nadu	387	492	879	10.99	10.19	10.53
5.	Karnakata	347	524	871	9.86	10.85	10.43
6.	Uttar Pradesh	466	400	866	13.24	8.28	10.37
7.	Andhra Pradesh	284	270	554	8.07	5.59	6.64
8.	Kerala	101	257	358	2.87	5.32	4.29
9.	Madhya Pradesh	68	251	319	1.93	5.20	3.82
10.	Bihar	118	123	241	3.35	2.55	2.89
11.	Gujarat	94	132	226	2.67	2.73	2.71
12.	Rajasthan	53	70	123	1.51	1.45	1.47
13.	Orissa	43	67	110	1.22	1.39	1.32
14.	Harayana	27	52	79	0.77	1.08	0.95
15.	Punjab	46	31	77	1.31	0.64	0.92
16.	Assam	10	40	50	0.28	0.83	0.60
17.	Chindigarh/U.T	14	34	48	0.40	0.70	0.57
18.	Goa	26	20	46	0.74	0.41	0.55
19.	J&K	8	12	20	0.23	0.25	0.24
20.	H.P.	6	10	16	0.17	0.21	0.19
21.	Meghalaya	5	7	12	0.14	0.14	0.14
22.	Pondicherry	2	7	9	0.06	0.14	0.11
23.	Manipur	3	5	8	0.09	0.10	0.10
24.	Arunachalpradesh	3	4	7	0.09	0.08	0.08
25.	Tripura	1	1	2	0.03	0.02	0.02
26.	Other records with the city names, but difficult to identify state	11	69	80	0.31	1.43	0.96
27.	No. of records without any city or state or Institutions	43	98	141	1.22	2.03	1.69
<b>Total</b>		<b>3520</b>	<b>4829</b>	<b>8349</b>	<b>100.01</b>	<b>99.98</b>	<b>100.00</b>

Table : 9

**CONTRIBUTIONS MADE BY DIFFERENT ORGANIZATIONS  
AS SEEN FROM COMPENDEX DATABASE IN 1990 & 94  
(arranged according to Total Number of papers)**

Sl. No.	(1)	No. of Publications			Percentages		
		1990 (2)	1994 (3)	Total (4)	1990 (5)	1994 (6)	Total (7)
I	Accademic	2066	2936	5002	58.69	60.80	59.91
II	Labs	599	740	1339	17.02	15.32	16.03
III	Government	494	685	1179	14.03	14.18	14.12
IV	Industries	254	335	589	7.26	6.94	7.05
V	State Government	64	35	99	1.82	0.72	1.18
VI	No. of records without any Institutions	43	98	141	1.22	2.03	1.69
<b>TOTAL</b>		<b>3520</b>	<b>4829</b>	<b>8349</b>	<b>100.04</b>	<b>99.99</b>	<b>99.98</b>
I	Accademic						
	Universities	811	1217	2028	39.25	41.45	40.54
	Instituions of National Importance						
	I.I.T	691	936	1627	33.45	31.88	32.53
	I.I.Sc.	191	299	490	9.24	10.18	9.79
	R.E.C	37	59	96	1.79	2.00	1.92
	I.S.I.	15	37	52	0.72	1.26	1.04
	I.I.M.	11	10	21	0.53	0.34	0.42
	Other Engineering Colleges	108	126	234	5.22	4.29	4.68
	Institutions related to						
	Agriculture	109	76	185	5.27	2.59	3.69
	Medicine	25	23	48	1.27	0.78	0.95
	Others	68	153	221	3.29	5.21	4.49
<b>TOTAL</b>		<b>2066</b>	<b>2936</b>	<b>5002</b>	<b>99.97</b>	<b>99.98</b>	<b>100.05</b>
II	Labs						
	C.S.I.R	508	632	1140	84.80	85.40	85.14
	D.R.D.O	91	108	199	15.19	14.59	14.86
<b>TOTAL</b>		<b>599</b>	<b>740</b>	<b>1339</b>	<b>99.99</b>	<b>99.99</b>	<b>100.00</b>
III	Government						
	Department of Atomic Engergy	214	344	558	43.32	50.22	47.33
	Department of Space	84	95	179	17.00	13.87	15.18

(Contd.....)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Department of Bio-Technology	40	68	108	8.09	9.93	15.18
	Department of S & T	37	33	70	7.49	4.82	5.94
	Department of Telecommunications	22	34	56	4.45	4.96	4.75
	Ministry of Power	20	30	50	4.05	4.38	4.24
	Ministry of Commerce	15	1	16	3.04	0.15	1.35
	Ministry of Water Resources	12	4	16	2.43	0.58	1.35
	Department of Electronics	7	8	15	1.42	1.17	1.27
	Ministry of Health & Family Welfare	4	2	6	0.81	0.29	0.50
	Others	39	66	105	7.89	9.63	8.90
	<b>TOTAL</b>	<b>494</b>	<b>685</b>	<b>1179</b>	<b>99.99</b>	<b>100.00</b>	<b>99.97</b>
<b>IV</b>	<b>Industries</b>						
	Private	163	261	424	64.77	77.91	71.98
	Public	91	74	165	35.83	22.09	28.01
	<b>TOTAL</b>	<b>254</b>	<b>335</b>	<b>589</b>	<b>100.00</b>	<b>100.00</b>	<b>99.99</b>
<b>V</b>	<b>State Government</b>	<b>64</b>	<b>35</b>	<b>99</b>	<b>0.18</b>	<b>0.72</b>	<b>1.18</b>
<b>VI</b>	<b>No.of records without any Institutions</b>	<b>43</b>	<b>98</b>	<b>141</b>	<b>1.22</b>	<b>2.03</b>	<b>1.16</b>
	<b>TOTAL</b>	<b>3520</b>	<b>4829</b>	<b>8349</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table : 10

**Journals used by Indian Engineers**  
As seen from COMPENDEX database in 1990 & 94

Sl. No.	Journal Name	Pub. Cout.	IF	No. of Papers			Percentage		
				1990	1994	Total	1990	1994	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
1.	Bulletin of Materials Science	IND	0.146	60	117	177	1.94	2.74	2.41
2.	Journal of Applied Polymer Science	USA	0.87	87	88	175	2.82	2.06	2.38
3.	Journal of Materials Science Letters	UK	0.444	61	84	145	1.97	1.97	1.97
4.	Solid State Communications	USA	1.446	68	54	122	2.20	1.27	1.66
5.	Pramana - Journal of Physics	IND	0.345	0	117	117	0.00	2.74	1.59
6.	Microelectronics and Reliability	USA	0.152	41	68	109	1.33	1.60	1.48
7.	Journal of Materials Science	UK	0.741	52	52	104	1.68	1.22	1.41
8.	Computers and Structures	USA	0.265	45	54	99	1.46	1.27	1.35
9.	Physica C: Superconductivity	NETH	3.258	24	72	96	0.78	1.69	1.31
10.	CEW Chemical Engineering World	IND	0	31	55	86	1.00	1.29	1.17
11.	Energy Conversion and Management	USA	0.29	36	45	81	1.17	1.06	1.10
12.	Physica Status Solidi (A) Applied Research	GER	0.596	31	41	72	1.00	0.96	0.98
13.	International Journal of Remote Sensing	UK	0.882	35	36	71	1.13	0.84	0.97
14.	Journal of Mines Metals & Fuels	IND	0	39	31	70	1.26	0.73	0.95
15.	Thin Solid Films	NETH	1.409	26	35	61	0.84	0.82	0.83
16.	Journal of Physics D: Applied Physics	UK	0.879	36	25	61	1.17	0.59	0.83
17.	Journal of Molecular Catalysis	SWZ	1.582	33	21	54	1.07	0.49	0.73
18.	Journal of Sound and Vibration	UK	0.696	18	34	52	0.58	0.80	0.71
19.	Materials Letters	NETH	0.66	26	22	48	0.84	0.52	0.65
20.	IETE Technical Review	IND	0	10	37	47	0.32	0.87	0.64
21.	Journal of Physics Condensed Matter	UK	0	0	47	47	0.00	1.10	0.64
22.	Scripta Metallurgica et Materialia	USA	0.912	22	23	45	0.71	0.54	0.61
23.	Atmospheric Environment	UK	1.31	32	10	42	1.04	0.23	0.57
24.	Industrial & Engineering Chemistry Research	USA	1.056	15	26	41	0.49	0.61	0.56
25.	Journal of the Institution of Electronics & Telecommunication Engineers	IND	0	1	39	40	0.03	0.91	0.54
26.	Optics Communications	NETH	1.205	24	16	40	0.78	0.38	0.54
27.	Energy (Oxford)	USA	0.15	24	16	40	0.78	0.38	0.54
28.	International Journal of Engineering Science	USA	0.633	16	24	40	0.52	0.56	0.54
29.	Journal of Chemical and Engineering Data	USA	0.93	18	22	40	0.58	0.52	0.54
30.	Materials Research Bulletin	USA	0.953	27	13	40	0.87	0.30	0.54
31.	Irrigation and Power Journal	IND	0	12	27	39	0.39	0.63	0.53
32.	Bulletin of Environmental Contamination & Toxicology	USA	0.563	0	39	39	0.00	0.91	0.53
33.	Journal of Power Sources	SWZ	0.689	15	23	38	0.49	0.54	0.52
34.	Materials Chemistry and Physics	SWZ	0.165	9	29	38	0.29	0.68	0.52
35.	Engineering Fracture Mechanics	USA	0.358	12	25	37	0.39	0.59	0.50
36.	Modelling Measurement & Control B: Solid & Fluid Mechanics & Thermics								
37.	Mechanical systems	IND	0	23	13	36	0.74	0.30	0.49
38.	Applied Radiation and Isotopes	USA	0.534	17	19	36	0.55	0.45	0.49

(Contd....)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
39.	International Journal of Energy Research	UK	0.269	20	14	34	0.65	0.33	0.46
40.	Journal of the American Oil Chemists' Society	USSR	0.98	22	12	34	0.71	0.28	0.46
41.	Journal of Magnetism & Magnetic Materials	NETH	1.063	13	20	33	0.42	0.47	0.45
42.	Journal of Materials Processing Technology	SWZ	0.23	13	20	33	0.42	0.47	0.45
43.	European Polymer Journal	USA	0.719	14	19	33	0.45	0.45	0.45
44.	Japanese Journal of Applied Physics Part 1	JPN	1.096	15	16	31	0.49	0.38	0.42
45.	Electronics Letters	UK	1.159	20	11	31	0.65	0.26	0.42
46.	Journal of Crystal Growth	NETH	1.561	11	19	30	0.36	0.45	0.41
47.	Journal of Non-Crystalline Solids	NETH	1.072	20	10	30	0.65	0.23	0.41
48.	Solid State Ionics	NETH	1.089	18	12	30	0.58	0.28	0.41
49.	Journal of Irrigation & Drainage Engineering	USA	0.369	12	18	30	0.39	0.42	0.41
50.	Journal of Macromolecular Science - Pure and Applied Chemistry	USA	0.616	0	30	30	0.00	0.70	0.41
51.	Wear	SWZ	0.58	12	17	29	0.39	0.40	0.39
52.	Fuel Science & Technology International	USA	0	9	20	29	0.29	0.47	0.39
53.	Radiation Physics and Chemistry	USA	0.395	11	18	29	0.36	0.42	0.39
54.	Materials Science & Engineering B: Solid-State Materials for Advanced Technology	SWZ	0.898	5	23	28	0.16	0.54	0.38
55.	Journal of Chemical Technology and Biotechnology	UK	0.581	13	15	28	0.42	0.35	0.38
56.	Renewable Energy	UK	0	5	23	28	0.16	0.54	0.38
57.	International Journal of Hydrogen Energy	USA	0.326	20	8	28	0.65	0.19	0.38
58.	Materials Science & Engineering A: Structural Materials: Properties Microstructure & Processing	SWZ	0.986	11	16	27	0.36	0.38	0.37
59.	Annals of Nuclear Energy	USA	0.348	11	16	27	0.36	0.38	0.37
60.	Polymer International	SING	0.778	0	26	26	0.00	0.61	0.35
61.	Electric Machines and Power Systems	USA	0.049	11	15	26	0.36	0.35	0.35
62.	Journal of Alloys and Compounds	NETH	0.961	3	22	25	0.10	0.52	0.34
63.	Journal of Nuclear Materials	NETH	1.264	11	14	25	0.36	0.33	0.34
64.	Bioresource Technology	UK	0.785	7	18	25	0.23	0.42	0.34
65.	Ferroelectrics	UK	0	0	25	25	0.00	0.59	0.34
66.	Vacuum	UK	0.488	19	6	25	0.62	0.14	0.34
67.	American Society of Mechanical Engineers	USA	0	14	11	25	0.45	0.26	0.34
68.	Journal of Hydrology	NZL	0.779	16	8	24	0.52	0.19	0.33
69.	Key Engineering Materials	SWZ	0	18	6	24	0.58	0.14	0.33
70.	Geotextiles and Geomembranes	UK	0.122	5	18	23	0.16	0.42	0.31
71.	Building and Environment	USA	0.34	19	4	23	0.62	0.09	0.31
72.	Chemical Engineering Science	USA	0.902	8	15	23	0.26	0.35	0.31
73.	Journal of Polymer Science Part A: Polymer Chemistry	USA	1.299	13	10	23	0.42	0.23	0.31
74.	Journal of Food Science and Technology	IND	0.026	0	22	22	0.00	0.52	0.30
75.	Solar Energy Materials and Solar Cells	NETH	0.661	9	13	22	0.29	0.30	0.30
76.	Polymer	UK	1.36	8	14	22	0.26	0.33	0.30
77.	Journal of Structural Engineering	IND	0.447	13	8	21	0.42	0.19	0.29

(Contd...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
78.	Journal of the Institution of Engineers (India): Civil Engineering Division	IND	0	13	8	21	0.42	0.19	0.29
79.	Water Air and Soil Pollution	NETH	0.181	13	8	21	0.42	0.19	0.29
80.	Enzyme and Microbial Technology	UK	1.784	10	11	21	0.32	0.26	0.29
81.	ISIJ International	JPN	0	7	13	20	0.23	0.30	0.27
82.	Applied Catalysis: A General	NETH	1.421	9	11	20	0.29	0.26	0.27
83.	Measurement Science & Technology	UK	0.708	12	8	20	0.39	0.19	0.27
84.	Fusion Technology	USA	0.683	18	2	20	0.58	0.05	0.27
85.	International Journal of Chemical Kinetics	USA	1.298	11	9	20	0.36	0.21	0.27
86.	Journal of Thermal Analysis	HUN	0.441	14	5	19	0.45	0.12	0.26
87.	International Journal of Coal Geology	NETH	0.471	10	9	19	0.32	0.21	0.26
88.	Physica B: Condensed Matter	NETH	1.144	3	16	19	0.10	0.38	0.26
89.	International Journal of Pressure Vessels and Piping	UK	0.18	2	17	19	0.06	0.40	0.26
90.	AMA Agricultural Mechanization in Asia Africa and Latin America	USA	0	17	2	19	0.55	0.05	0.26
91.	Journal of Materials Research	USA	2	3	16	19	0.10	0.38	0.26
92.	Journal of Physics and Chemistry of Solids	USA	1.35	11	8	19	0.36	0.19	0.26
93.	Journal of Spacecraft Technology	USA	0	0	19	19	0.00	0.45	0.26
94.	Modelling Measurement & Control A: General Physics	SIND	0	7	11	18	0.23	0.26	0.24
95.	Bulk Solids Handling	GER	0	9	9	18	0.29	0.21	0.24
96.	Hydrometallurgy	NETH	0.59	11	7	18	0.36	0.16	0.24
97.	Information Processing Letters	NETH	0.311	6	12	18	0.19	0.28	0.24
98.	Chemical Engineering Journal and Biochemical Engineering Journal	SWZ	0.507	9	9	18	0.29	0.21	0.24
99.	International Journal of Environmental Studies	UK	0	0	18	18	0.00	0.42	0.24
100.	Journal of Environmental Science & Health: A Environmental Science and Engineering	USA	0.467	4	14	18	0.13	0.33	0.24
101.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	NETH	0.517	10	7	17	0.32	0.16	0.23
102.	Journal of Membrane Science	NETH	1.492	8	9	17	0.26	0.21	0.23
103.	Microprocessing and Microprogramming	NETH	0.049	7	10	17	0.23	0.23	0.23
104.	Fuel	UK	1.013	11	6	17	0.36	0.14	0.23
105.	Journal of Applied Electrochemistry	UK	0.926	3	14	17	0.10	0.33	0.23
106.	Journal of the Less Common Metals	UK	0	17	0	17	0.55	0.00	0.23
107.	Semiconductor Science and Technology	UK	1.389	6	11	17	0.19	0.26	0.23
108.	Computers & Geosciences	USA	0.514	8	9	17	0.26	0.21	0.23
109.	IEEE Transactions on Electron Devices	USA	1.63	8	9	17	0.26	0.21	0.23
110.	Macromolecules	USA	3.016	4	13	17	0.13	0.30	0.23
111.	Solid-State Electronics	USA	0.759	8	9	17	0.26	0.21	0.23
112.	Indian Concrete Journal	IND	0	7	9	16	0.23	0.21	0.22
113.	Research and Industry	IND	0	16	0	16	0.52	0.00	0.22
114.	International Journal of Electronics	UK	0.258	12	4	16	0.39	0.09	0.22
115.	Energy Sources	USA	0.15	4	12	16	0.13	0.28	0.22
116.	Journal of Colloid and Interface Science	USA	1.62	7	9	16	0.23	0.21	0.22

(Cont....)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
117.	Journal of the Electrochemical Society	USA	1.763	9	7	16	0.29	0.16	0.22
118.	Textile Research Journal	USA	0	16	0	16	0.52	0.00	0.22
119.	Transactions of the SAEST	IND	0	15	0	15	0.49	0.00	0.20
120.	Fluid Phase Equilibria	NETH	0.906	7	8	15	0.23	0.19	0.20
121.	Signal Processing	NETH	0.44	6	9	15	0.19	0.21	0.20
122.	IEEE Transactions on Plasma Science	USA	0.969	7	8	15	0.23	0.19	0.20
123.	Water Research	USA	1.574	9	6	15	0.29	0.14	0.20
124.	Journal of the Institution of Engineers (India): Mechanical Engineering Division	IND	0	7	7	14	0.23	0.16	0.19
125.	International Journal of Fracture	NETH	0.548	5	9	14	0.16	0.21	0.19
126.	International Journal of Mineral Processing	NETH	0.394	11	3	14	0.36	0.07	0.19
127.	Composite Structures	UK	0.493	5	9	14	0.16	0.21	0.19
128.	IEEE Transactions on Systems Man and Cybernetics	USA	0.694	3	11	14	0.10	0.26	0.19
129.	International Journal of Heat & Mass Transfer	USA	0.894	11	3	14	0.36	0.07	0.19
130.	Journal of Essential Oil Research	USA	0	0	14	14	0.00	0.33	0.19
131.	Journal of the American Ceramic Society	USA	1.459	7	7	14	0.23	0.16	0.19
132.	Microwave and Optical Technology Letters	USA	0.32	6	8	14	0.19	0.19	0.19
133.	Nuclear Tracks and Radiation Measurements	USA	0	14	0	14	0.45	0.00	0.19
134.	Ocean Engineering (Pergamon)	USA	0.288	7	7	14	0.23	0.16	0.19
135.	Solar Energy	USA	0	5	9	14	0.16	0.21	0.19
136.	Zeitschrift fuer Metallkunde	GER	0	8	5	13	0.26	0.12	0.18
137.	Transactions of Powder Metallurgy Association of India	IND	0	13	0	13	0.42	0.00	0.18
138.	European Journal of Operational Research	NETH	0.356	6	7	13	0.19	0.16	0.18
139.	Ceramics International	UK	0.363	5	8	13	0.16	0.19	0.18
140.	Toxicological and Environmental Chemistry	UK	0.209	0	13	13	0.00	0.30	0.18
141.	American Dyestuff Reporter	USA	0	6	7	13	0.19	0.16	0.18
142.	International Journal of Surface Mining & Reclamation	USA	0	5	8	13	0.16	0.19	0.18
143.	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science	USA	0	0	13	13	0.00	0.30	0.18
144.	Polymer-Plastics Technology & Engineering	USA	0.326	2	11	13	0.06	0.26	0.18
145.	Praktische Metallographic/ Practical Metallography	GER	0	8	4	12	0.26	0.09	0.16
146.	Reaction Kinetics and Catalysis Letters	HUN	0.277	0	12	12	0.00	0.28	0.16
147.	Fuzzy Sets and Systems	NETH	0.61	3	9	12	0.10	0.21	0.16
148.	Chemistry and Industry (London)	UK	0.423	10	2	12	0.32	0.05	0.16
149.	Journal of Physics B: Atomic Molecular and Optical Physics	UK	2.415	0	12	12	0.00	0.28	0.16
150.	Physics and Chemistry of Liquids	UK	0.536	0	12	12	0.00	0.28	0.16
151.	Superconductor Science & Technology	UK	1.53	0	12	12	0.00	0.28	0.16
152.	Environmental Geology	USA	0.325	5	7	12	0.16	0.16	0.16
153.	IEEE Transactions on Circuits & Systems I: Fundamental Theory and Applications	USA	0.732	8	4	12	0.26	0.09	0.16
154.	Physical Review A. Atomic Molecular & Optical Physics	USA	0	0	12	12	0.00	0.28	0.16

(Contd....)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
155.	Modelling Measurement & Control D: Manufacturing Management Human & Socio-Economic Problems	\$IND		0	11	11	0.00	0.26	0.15
156.	Colloid and Polymer Science	GER	1.02	6	5	11	0.19	0.12	0.15
157.	Environmental Monitoring and Assessment	NETH	0.366	0	11	11	0.00	0.26	0.15
158.	Pattern Recognition Letters	NETH	0.381	4	7	11	0.13	0.16	0.15
159.	IFIP Transactions A: Computer Science and Technology	SWZ	0	0	11	11	0.00	0.26	0.15
160.	British Polymer Journal	UK	0	11	0	11	0.36	0.00	0.15
161.	Corrosion Prevention & Control	UK	0	7	4	11	0.23	0.09	0.15
162.	International Journal of Systems Science	UK	0.146	10	1	11	0.32	0.02	0.15
163.	Polymer Testing	UK	0.433	2	9	11	0.06	0.21	0.15
164.	AIAA Journal	USA	0.592	8	3	11	0.26	0.07	0.15
165.	Cement and Concrete Research	USA	0.716	4	7	11	0.13	0.16	0.15
166.	Corrosion Science	USA	0.556	7	4	11	0.23	0.09	0.15
167.	Heat Recovery Systems & CHP	USA	0.658	2	9	11	0.06	0.21	0.15
168.	Journal of Aerosol Science	USA	1.597	3	8	11	0.10	0.19	0.15
169.	Journal of Macromolecular Science - Chemistry	USA	0	11	0	11	0.36	0.00	0.15
170.	Metal Finishing	USA	0	3	8	11	0.10	0.19	0.15
171.	Minerals Engineering	USA	0.381	10	1	11	0.32	0.02	0.15
172.	Radio Science	USA	0.753	6	5	11	0.19	0.12	0.15
173.	Water Science and Technology	USA	0.665	8	3	11	0.26	0.07	0.15
174.	Advances in Modelling and Analysis A: General Mathematical and Computer Tools	\$IND	0	0	10	10	0.00	0.23	0.14
175.	Canadian Journal of Chemistry	CAN	1.127	6	4	10	0.19	0.09	0.14
176.	Steel Research	GER	0.551	2	8	10	0.06	0.19	0.14
177.	Journal of Alloy Phase Diagrams	IND	0	10	0	10	0.32	0.00	0.14
178.	Journal of the Institution of Engineers (India): Chemical Engineering Division	IND	0	0	10	10	0.00	0.23	0.14
179.	Applied Surface Science	NETH	1.144	3	7	10	0.10	0.16	0.14
180.	International Journal of Production Economics	NETH	0.059	1	9	10	0.03	0.21	0.14
181.	Physica Scripta	SWZ	0.991	0	10	10	0.00	0.23	0.14
182.	British Journal of Non-Destructive Testing	UK	0.147	8	2	10	0.26	0.05	0.14
183.	Cryogenics	UK	0.818	7	3	10	0.23	0.07	0.14
184.	Hydrological Sciences Journal	UK	0.465	5	5	10	0.16	0.12	0.14
185.	International Journal for Numerical Methods in Engineering	UK	1.002	5	5	10	0.16	0.12	0.14
186.	IEEE Transactions on Computers	USA	0.904	4	6	10	0.13	0.14	0.14
187.	IEEE Transactions on Instrumentation and Measurement	USA	0.402	5	5	10	0.16	0.12	0.14
188.	IEEE Transactions on Signal Processing	USA	1.234	0	10	10	0.00	0.23	0.14
189.	Indian Journal of Environmental Health	USA	0	10	0	10	0.32	0.00	0.14
190.	International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts	USA	0.173	0	10	10	0.00	0.23	0.14
191.	Journal of Environmental Engineering	USA	1.266	6	4	10	0.19	0.09	0.14

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
192.	Journal of Mathematical Analysis and Applications	USA	0	10	0	10	0.32	0.00	0.14
193.	Journal of the Operational Research Society	USA	0.546	5	5	10	0.16	0.12	0.14
194.	Mechanics Research Communications	USA	0.263	3	7	10	0.10	0.16	0.14
195.	Metallurgical Transactions A: Physical Metallurgy & Materials Science	USA	0	10	0	10	0.32	0.00	0.14
196.	Pattern Recognition	USA	0.681	6	4	10	0.19	0.09	0.14
197.	Separation Science and Technology	USA	0.838	2	8	10	0.06	0.19	0.14
198.	Advances in Modelling & Analysis C: systems Analysis Control & Design	\$IND	0	0	9	9	0.00	0.21	0.12
199.	Journal of the Institution of Engineers (India): Electrical Engineering	IND	0	3	6	9	0.10	0.14	0.12
200.	Journal of the Institution of Engineers (India): Interdisciplinary Journal	IND	0	8	1	9	0.26	0.02	0.12
201.	Fuel Processing Technology	NETH	0.518	3	6	9	0.10	0.14	0.12
202.	Sensors and Actuators B: Chemical	SWZ	1.074	0	9	9	0.00	0.21	0.12
203.	Journal of Ferrocement	THH	0	1	8	9	0.03	0.19	0.12
204.	Biological Wastes	UK	0	9	0	9	0.29	0.00	0.12
205.	Energy Policy	UK	0.453	3	6	9	0.10	0.14	0.12
206.	International Water Power & Dam Construction	UK	0	6	3	9	0.19	0.07	0.12
207.	Ironmaking and Steelmaking	UK	0.438	4	5	9	0.13	0.12	0.12
208.	Mathematical and Computer Modelling	UK	0	9	0	9	0.29	0.00	0.12
209.	Optics and Laser Technology	UK	0.416	7	2	9	0.23	0.05	0.12
210.	Polymer Degradation and Stability	UK	0.815	2	7	9	0.06	0.16	0.12
211.	Acta Metallurgica et Materialia	USA	2.03	8	1	9	0.26	0.02	0.12
212.	Applied Optics	USA	1.033	0	9	9	0.00	0.21	0.12
213.	Combustion and Flame	USA	1.179	2	7	9	0.06	0.16	0.12
214.	Energy and Buildings	USA	0.187	7	2	9	0.23	0.05	0.12
215.	IEEE Transactions on Microwave Theory and Techniques	USA	1.004	5	4	9	0.16	0.09	0.12
216.	International Journal of Mechanical Sciences	USA	0.61	6	3	9	0.19	0.07	0.12
217.	Journal of Guidance Control and Dynamics	USA	0.407	4	5	9	0.13	0.12	0.12
218.	Langmuir	USA	3.232	1	8	9	0.03	0.19	0.12
219.	Metallurgical Transactions B: Process Metallurgy	USA	1.059	8	1	9	0.26	0.02	0.12
220.	Minerals & Metallurgical Processing	USA	0	3	6	9	0.10	0.14	0.12
221.	Nuclear Technology	USA	0.402	7	2	9	0.23	0.05	0.12
222.	Polymer Engineering and Science	USA	0.858	2	7	9	0.06	0.16	0.12
223.	Journal De Physique	FRN	0	2	6	8	0.06	0.14	0.11
224.	Chemical Engineering & Technology	GER	0	6	2	8	0.19	0.05	0.11
225.	Optik (Stuttgart)	GER	0.569	0	8	8	0.00	0.19	0.11
226.	Materials Transactions JIM	JPN	0.752	3	5	8	0.10	0.12	0.11
227.	Engineering Geology	NETH	0.213	3	5	8	0.10	0.12	0.11
228.	Fluid Dynamics Research	NETH	0.313	5	3	8	0.16	0.07	0.11
229.	Reactive Polymers	NETH	0.6	2	6	8	0.06	0.14	0.11

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
230.	Applied Acoustics	UK	0.149	7	1	8	0.23	0.02	0.11
231.	Carbohydrate Polymers	UK	1.381	3	5	8	0.10	0.12	0.11
232.	High Performance Polymers	UK	0	0	8	8	0.00	0.19	0.11
233.	High Temperature Materials and Processes	UK	0	8	0	8	0.26	0.00	0.11
234.	International Journal of Ambient Energy	UK	0	2	6	8	0.06	0.14	0.11
235.	International Journal of Water Resources Development	UK	0	7	1	8	0.23	0.02	0.11
236.	Microelectronics Journal	UK	0	5	3	8	0.16	0.07	0.11
237.	Nuclear Geophysics	UK	0.194	2	6	8	0.06	0.14	0.11
238.	Anti-Corrosion Methods and Materials	USA	0	0	8	8	0.00	0.19	0.11
239.	IEEE Transactions on Antennas & Propagation	USA	0.806	6	2	8	0.19	0.05	0.11
240.	IEEE Transactions on Power Systems	USA	0.577	1	7	8	0.03	0.16	0.11
241.	IEEE Transactions on Reliability	USA	0.45	1	7	8	0.03	0.16	0.11
242.	Infrared Physics & Technology	USA	0.483	0	8	8	0.00	0.19	0.11
243.	Journal of Geotechnical Engineering	USA	0.465	5	3	8	0.16	0.07	0.11
244.	Journal of Hydraulic Engineering	USA	0.844	2	6	8	0.06	0.14	0.11
245.	Journal of Polymer Engineering	USA	0.265	1	7	8	0.03	0.16	0.11
246.	Marine Georesources and Geotechnology	USA	0.15	2	6	8	0.06	0.14	0.11
247.	Radiation Effects and Defects in Solids	USA	0	0	8	8	0.00	0.19	0.11
248.	Polymer Bulletin (Berlin)	GER	0.931	6	1	7	0.19	0.02	0.10
249.	Propellants Explosives Pyrotechnics	GER	0	4	3	7	0.13	0.07	0.10
250.	Journal of the Institution of Engineers (India): Electronics & Telecommunication Engineering Journal	IND	0	0	7	7	0.00	0.16	0.10
251.	Mining Science and Technology	NETH	0	7	0	7	0.23	0.00	0.10
252.	Electric Power Systems Research	SWZ	0.044	2	5	7	0.06	0.12	0.10
253.	Materials Science Forum	SWZ	0	0	7	7	0.00	0.16	0.10
254.	Surface & Coatings Technology	SWZ	0.901	2	5	7	0.06	0.12	0.10
255.	Synthetic Metals	SWZ	1.283	2	5	7	0.06	0.12	0.10
256.	RERIC International Energy Journal	THI	0	4	3	7	0.13	0.07	0.10
257.	International Journal of Production Research	UK	0.314	3	4	7	0.10	0.09	0.10
258.	Journal of the Textile Institute	UK	0.184	4	3	7	0.13	0.07	0.10
259.	Microprocessors and Microsystems	UK	0.149	3	4	7	0.10	0.09	0.10
260.	Polymer Communications	UK	0	7	0	7	0.23	0.00	0.10
261.	Powder Metallurgy	UK	0	7	0	7	0.23	0.00	0.10
262.	Transactions of the Institution of Mining & Metallurgy Section C: Mineral Processing and Extractive	UK	0.298	1	6	7	0.03	0.14	0.10
263.	AIChE Journal	USA	1.359	6	1	7	0.19	0.02	0.10
264.	Chemical Engineering Research & Design	USA	0.488	2	5	7	0.06	0.12	0.10
265.	Computer Languages	USA	0.231	3	4	7	0.10	0.09	0.10
266.	Computers & Electrical Engineering	USA	0.133	3	4	7	0.10	0.09	0.10
267.	IEEE Transactions on Energy Conversion	USA	0.243	5	2	7	0.16	0.05	0.10
268.	IEEE Transactions on Industrial Electronics	USA	0.471	4	3	7	0.13	0.07	0.10
269.	IEEE Transactions on Power Delivery	USA	0.346	1	6	7	0.03	0.14	0.10

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
270.	Journal of Aircraft	USA	0.158	3	4	7	0.10	0.09	0.10
271.	Journal of Elastomers and Plastics	USA	0.15	0	7	7	0.00	0.16	0.10
272.	Journal of Food Engineering	USA	0.74	2	5	7	0.06	0.12	0.10
273.	Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Sciences	USA	0	0	7	7	0.00	0.16	0.10
274.	Oil and Gas Journal	USA	0.089	4	3	7	0.13	0.07	0.10
275.	Organic Geochemistry	USA	1.293	0	7	7	0.00	0.16	0.10
276.	Wärme- und Stoffübertragung/Thermo- & Fluid Dynamics	USA	0.496	4	3	7	0.13	0.07	0.10
277.	Scandinavian Journal of Metallurgy	DEN	0.122	1	5	6	0.03	0.12	0.08
278.	Chemical Age of India	IND	0	6	0	6	0.19	0.00	0.08
279.	Journal of the Institution of Engineers (India): Architectural Engineering Division	IND	0	5	1	6	0.16	0.02	0.08
280.	Polymer Journal	JPN	0.905	1	5	6	0.03	0.12	0.08
281.	Carbohydrate Research	NETH	1.569	1	5	6	0.03	0.12	0.08
282.	Computers in Industry	NETH	0	6	0	6	0.19	0.00	0.08
283.	Engineering Costs & Production Economics	NETH	0	6	0	6	0.19	0.00	0.08
284.	Finite Elements in Analysis and Design	NETH	0	4	2	6	0.13	0.05	0.08
285.	Journal of Biotechnology	NETH	1.408	2	4	6	0.06	0.09	0.08
286.	Building Research and Information	UK	0	2	4	6	0.06	0.09	0.08
287.	Chemical Engineering Communications	UK	0.385	0	6	6	0.00	0.14	0.08
288.	Dyes and Pigments	UK	0	6	0	6	0.19	0.00	0.08
289.	High Temperature - High pressures	UK	0	6	0	6	0.19	0.00	0.08
290.	International Journal of Electrical Power & Energy System	UK	0.093	0	6	6	0.00	0.14	0.08
291.	Philosophical Magazine B: Physics of Condensed Matter -Electronic- Optical and Magnetic Properties	UK	0	6	0	6	0.19	0.00	0.08
292.	Plastics Rubber and Composites Processing and Applications	UK	0.4	0	6	6	0.00	0.14	0.08
293.	AMSE Review	USA	0	6	0	6	0.19	0.00	0.08
294.	Applied Physics Letters	USA	3.072	0	6	6	0.00	0.14	0.08
295.	Biomass and Bioenergy	USA	0	0	6	6	0.00	0.14	0.08
296.	Ground Water	USA	0.284	1	5	6	0.03	0.12	0.08
297.	IEEE Transactions on Aerospace and Electronic Systems	USA	0.459	2	4	6	0.06	0.09	0.08
298.	IEEE Transactions on Magnetics	USA	0.758	1	5	6	0.03	0.12	0.08
299.	Information Sciences	USA	0.266	2	4	6	0.06	0.09	0.08
300.	Journal of Applied Physics	USA	1.658	0	6	6	0.00	0.14	0.08
301.	Journal of Engineering Mechanics	USA	0.442	1	5	6	0.03	0.12	0.08
302.	Journal of Materials Engineering and Performance	USA	0.15	0	6	6	0.00	0.14	0.08
303.	Journal of Optimization Theory & Applications	USA	0.315	4	2	6	0.13	0.05	0.08
304.	Journal of Propulsion and Power	USA	0.266	2	4	6	0.06	0.09	0.08
305.	Journal of Structural Geology	USA	1.537	3	3	6	0.10	0.07	0.08

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
306.	Journal of Transportation Engineering	USA	0.086	3	3	6	0.10	0.07	0.08
307.	Mechanism & Machine Theory	USA	0.221	2	4	6	0.06	0.09	0.08
308.	Nuclear Science and Engineering	USA	0.483	2	4	6	0.06	0.09	0.08
309.	Solvent Extraction and Ion Exchange	USA	0.869	2	4	6	0.06	0.09	0.08
310.	Transactions of the ASAE	USA	0.382	3	3	6	0.10	0.07	0.08
311.	Advances in Modelling and Simulation	IND	0	5	0	5	0.16	0.00	0.07
312.	Defence Science Journal	IND	0	3	2	5	0.10	0.05	0.07
313.	Highway Research Bulletin	IND	0	5	0	5	0.16	0.00	0.07
314.	Journal of the Institution of Engineers (India): Agricultural Engineering Division	IND	0	2	3	5	0.06	0.07	0.07
315.	Journal of the Institution of Engineers (India): Environmental Engineering	IND	0	1	4	5	0.03	0.09	0.07
316.	Desalination	ISREAL	0.318	0	5	5	0.00	0.12	0.07
317.	Computer Methods and Programs in Biomedicine	NETH	0.4	2	3	5	0.06	0.07	0.07
318.	Surface Science	NETH	2.745	0	5	5	0.00	0.12	0.07
319.	Solar Cells: Their Science Technology Applications and Economics	SWZ	0	5	0	5	0.16	0.00	0.07
320.	Biomass	UK	0	5	0	5	0.16	0.00	0.07
321.	Electric Power & Energy Systems	UK	0	5	0	5	0.16	0.00	0.07
322.	International Journal for Numerical Methods in Fluids	UK	0.764	3	2	5	0.10	0.05	0.07
323.	International Journal of Optoelectronics	UK	0	0	5	5	0.00	0.12	0.07
324.	Journal of Materials Science: Materials in Electronics	UK	0.443	0	5	5	0.00	0.12	0.07
325.	Medical & Biological Engineering & Computing	UK	0.599	2	3	5	0.06	0.07	0.07
326.	Molecular Crystals and Liquid Crystals Science and Technology	UK	0.967	0	5	5	0.00	0.12	0.07
327.	Physics and Chemistry of Glasses	UK	1	3	2	5	0.10	0.05	0.07
328.	Railway Gazette International	UK	0	2	3	5	0.06	0.07	0.07
329.	World Cement	UK	0	0	5	5	0.00	0.12	0.07
330.	Ammonia Plant Safety and Related Facilities	USA	0	2	3	5	0.06	0.07	0.07
331.	Applied Physics: A Solids and Surfaces	USA	1.578	3	2	5	0.10	0.05	0.07
332.	Applied Physics: B Photophysics and Laser Chemistry	USA	1.765	4	1	5	0.13	0.02	0.07
333.	ASHRAE Transactions	USA	0.048	4	1	5	0.13	0.02	0.07
334.	ASTM Special Technical Publication	USA	0	0	5	5	0.00	0.12	0.07
335.	Aviation Week and Space Technology (New York)	USA	0	0	5	5	0.00	0.12	0.07
336.	Cement & Concrete Composites	USA	0	4	1	5	0.13	0.02	0.07
337.	Computers & Operations Research	USA	0.359	1	4	5	0.03	0.09	0.07
338.	Electrochimica Acta	USA	1.481	0	5	5	0.00	0.12	0.07
339.	Environmental Geology and Water Sciences	USA	0	5	0	5	0.16	0.00	0.07
340.	Geophysics	USA	0.824	1	4	5	0.03	0.09	0.07
341.	Hydrological Processes	USA	0.697	1	4	5	0.03	0.09	0.07
342.	IEEE Transactions on Geoscience and Remote Sensing	USA	1.356	2	3	5	0.06	0.07	0.07

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
343.	International Journal of Heat and Fluid Flow	USA	0.653	1	4	5	0.03	0.09	0.07
344.	International Journal of Machine Tools & Manufacture	USA	0.086	2	3	5	0.06	0.07	0.07
345.	Journal of Chemical Information & Computer Sciences	USA	1.803	0	5	5	0.00	0.12	0.07
346.	Journal of Food Process Engineering	USA	0.371	2	3	5	0.06	0.07	0.07
347.	Journal of Lightwave Technology	USA	0	5	0	5	0.16	0.00	0.07
348.	Journal of Testing & Evaluation	USA	0.243	3	2	5	0.10	0.05	0.07
349.	Journal of the Optical Society of America B: Optical Physics	USA	2.157	0	5	5	0.00	0.12	0.07
350.	Journal of Thermophysics and Heat Transfer	USA	0.832	2	3	5	0.06	0.07	0.07
351.	Journal of Tribology	USA	0.427	4	1	5	0.13	0.02	0.07
352.	Journal of Water Resources Planning and Management	USA	0.433	3	2	5	0.10	0.05	0.07
353.	Microporous Materials	USA	1.429	0	5	5	0.00	0.12	0.07
354.	Optics Letters	USA	2.525	0	5	5	0.00	0.12	0.07
355.	Radiation Measurements	USA	0	0	5	5	0.00	0.12	0.07
356.	Review of Scientific Instruments	USA	1.095	0	5	5	0.00	0.12	0.07
357.	Modelling Measurement & Control C: Energetics Chemistry Earth Environmental & Biomedical Problems	\$IND	0	1	3	4	0.03	0.07	0.05
358.	Canadian Metallurgical Quarterly	CAN	0.354	2	2	4	0.06	0.05	0.05
359.	Erdoel & Kohle Erdgas Petrochemie	GER	0.133	1	3	4	0.03	0.07	0.05
360.	Forschung im Ingenieurwesen	GER	0.118	3	1	4	0.10	0.02	0.05
361.	Hungarian Journal of Industrial Chemistry	HUG	0.12	0	4	4	0.00	0.09	0.05
362.	Electricity Conservation Quarterly	IND	0	0	4	4	0.00	0.09	0.05
363.	International Journal of Structures	IND	0	4	0	4	0.13	0.00	0.05
364.	Journal of the Institution of Engineers (India): Aerospace Engineering Journal	IND	0	2	2	4	0.06	0.05	0.05
365.	Journal of the Institution of Engineers (India): Metallurgy and Material Science Division	IND	0	4	0	4	0.13	0.00	0.05
366.	Soils and Foundations	JPN	0	1	3	4	0.03	0.07	0.05
367.	Boundary-Layer Meteorology	NETH	1.139	0	4	4	0.00	0.09	0.05
368.	Coastal Engineering	NETH	0.43	3	1	4	0.10	0.02	0.05
369.	Journal of Molecular Liquids	NETH	0.524	1	3	4	0.03	0.07	0.05
370.	Microelectronic Engineering	NETH	0.414	3	1	4	0.10	0.02	0.05
371.	Operations Research Letters	NETH	0.235	3	1	4	0.10	0.02	0.05
372.	Theoretical and Applied Fracture Mechanics	NETH	0.167	2	2	4	0.06	0.05	0.05
373.	Water Resources Management	NETH	0	0	4	4	0.00	0.09	0.05
374.	Journal of Luminescence	SA	1.173	2	2	4	0.06	0.05	0.05
375.	Environmental Conservation	SWZ	0.371	1	3	4	0.03	0.07	0.05
376.	Sensors and Actuators A: Physical	SWZ	0.704	3	1	4	0.10	0.02	0.05
377.	Geotechnical Engineering	THI	0	0	4	4	0.00	0.09	0.05
378.	Applied Energy	UK	0.309	1	3	4	0.03	0.07	0.05
379.	Biosensors & Bioelectronics	UK	1.858	0	4	4	0.00	0.09	0.05
380.	British Ceramic Transactions	UK	0.17	2	2	4	0.06	0.05	0.05
381.	Coal International (Redhill England)	UK	0	0	4	4	0.00	0.09	0.05

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
382.	Communications in Numerical Methods in Engineering	UK	0.367	0	4	4	0.00	0.09	0.05
383.	Computer Communications	UK	0.352	1	3	4	0.03	0.07	0.05
384.	Ergonomics	UK	0.861	1	3	4	0.03	0.07	0.05
385.	International Biodeterioration Biodegradation	UK	0.175	2	2	4	0.06	0.05	0.05
386.	International Journal of Computer Mathematics	UK	0.126	0	4	4	0.00	0.09	0.05
387.	Journal of Environmental Radioactivity	UK	0.505	2	2	4	0.06	0.05	0.05
388.	Mineral Processing and Extractive Metallurgy Review	UK	0	0	4	4	0.00	0.09	0.05
389.	Optical and Quantum Electronics	UK	1.303	1	3	4	0.03	0.07	0.05
390.	Waste Management	UK	0	3	1	4	0.10	0.02	0.05
391.	Applied Mathematical Modelling	USA	0.271	2	2	4	0.06	0.05	0.05
392.	Biopolymers	USA	2.313	0	4	4	0.00	0.09	0.05
393.	Bulletin of the International Association for Shell and Spatial Structures	USA	0	1	3	4	0.03	0.07	0.05
394.	Carbon	USA	1.619	1	3	4	0.03	0.07	0.05
395.	Chaos Solitons and Fractals	USA	0	0	4	4	0.00	0.09	0.05
396.	Computers & Industrial Engineering	USA	0.057	0	4	4	0.00	0.09	0.05
397.	Experimental Thermal and Fluid Science	USA	0.599	3	1	4	0.10	0.02	0.05
398.	IEEE Transactions on Dielectrics and Electrical Insulation	USA	0	0	4	4	0.00	0.09	0.05
399.	IEEE Transactions on Neural Networks	USA	1.941	0	4	4	0.00	0.09	0.05
400.	IEEE Transactions on Parallel and Distributed Systems	USA	0.905	0	4	4	0.00	0.09	0.05
401.	IEEE Transactions on Robotics & Automation	USA	1.006	2	2	4	0.06	0.05	0.05
402.	International Journal of Impact Engineering	USA	0.265	3	1	4	0.10	0.02	0.05
403.	International Journal of Infrared and Millimeter Waves	USA	0.442	2	2	4	0.06	0.05	0.05
404.	International Journal of Non-Linear Mechanics	USA	0.359	2	2	4	0.06	0.05	0.05
405.	International Journal of Solids and Structures	USA	0.732	1	3	4	0.03	0.07	0.05
406.	Irrigation Science	USA	0	4	0	4	0.13	0.00	0.05
407.	JOM	USA	0.807	3	1	4	0.10	0.02	0.05
408.	Journal of Engineering Materials & Technology	USA	0.39	1	3	4	0.03	0.07	0.05
409.	Journal of Environmental Science & Health: B Pesticides Food Contaminants and Agricultural Wastes	USA	0.693	0	4	4	0.00	0.09	0.05
410.	Journal of Hydraulic Research	USA	0.33	1	3	4	0.03	0.07	0.05
411.	Journal of Macromolecular Science - Physics	USA	0.768	2	2	4	0.06	0.05	0.05
412.	Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics	USA	1.348	2	2	4	0.06	0.05	0.05
413.	Journal of Polymer Science Part C: Polymer Letters	USA	0	4	0	4	0.13	0.00	0.05
414.	Journal of Reinforced Plastics and Composites	USA	0.404	0	4	4	0.00	0.09	0.05

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
415.	Journal of the Optical Society of America A: Optics and Image Science	USA	1.425	0	4	4	0.00	0.09	0.05
416.	Journal of Vibration and Acoustics	USA	0.219	2	2	4	0.06	0.05	0.05
417.	Journal of Waterway Port Coastal and Ocean Engineering	USA	0.365	2	2	4	0.06	0.05	0.05
418.	Materials Characterization	USA	0.366	1	3	4	0.03	0.07	0.05
419.	Oxidation of Metals	USA	1.55	1	3	4	0.03	0.07	0.05
420.	Physical Review Letters	USA	6.626	0	4	4	0.00	0.09	0.05
421.	Physics of Plasmas	USA	0	0	4	4	0.00	0.09	0.05
422.	Polymers for Advanced Technologies	USA	0	0	4	4	0.00	0.09	0.05
423.	Rubber Chemistry and Technology	USA	1.056	0	4	4	0.00	0.09	0.05
424.	Zeolites	USA	1.829	3	1	4	0.10	0.02	0.05
425.	Fullerene Science and Technology	IND	0	0	3	3	0.00	0.07	0.04
426.	Engineering Computations	AUS	1.286	2	1	3	0.06	0.02	0.04
427.	Transactions of the Institutions of Engineers - Australia :Civil Engineering	AUS	0	3	0	3	0.10	0.00	0.04
428.	Canadian Geotechnical Journal	CAN	0.24	1	2	3	0.03	0.05	0.04
429.	Experiments in Fluids	GER	0	3	0	3	0.10	0.00	0.04
430.	Powder Handling & Processing	GER	0	0	3	3	0.00	0.07	0.04
431.	Journal of Scientific and Industrial Research	IND	0	3	0	3	0.10	0.00	0.04
432.	International Journal of Biomedical Computing	IRE	0.576	0	3	3	0.00	0.07	0.04
433.	Journal of Fermentation and Bioengineering	JPN	1.002	0	3	3	0.00	0.07	0.04
434.	Colloids and Surfaces B: Biointerfaces	NETH	1.407	0	3	3	0.00	0.07	0.04
435.	Computer Networks and ISDN Systems	NETH	0.479	0	3	3	0.00	0.07	0.04
436.	ISPRS Journal of Photogrammetry & Remote Sensing	NETH	0.282	0	3	3	0.00	0.07	0.04
437.	Journal of Hazardous Materials	NETH	0.497	2	1	3	0.06	0.02	0.04
438.	Nuclear Instruments & Methods in Physics Research Section A:	NETH	0	3	0	3	0.10	0.00	0.04
439.	Chemical Engineering & Processing	SWZ	0	3	0	3	0.10	0.00	0.04
440.	International Journal of Environment & Pollution	SWZ	0	1	2	3	0.03	0.05	0.04
441.	International Journal of Materials & Product Technology	SWZ	0	1	2	3	0.03	0.05	0.04
442.	Nuclear Engineering and Design	SWZ	0.111	0	3	3	0.00	0.07	0.04
443.	Powder Technology	SWZ	0.529	1	2	3	0.03	0.05	0.04
444.	Aeronautical Journal	UK	0.078	1	2	3	0.03	0.05	0.04
445.	Applied Superconductivity	UK	0.929	0	3	3	0.00	0.07	0.04
446.	Composites Science and Technology	UK	0.906	1	2	3	0.03	0.05	0.04
447.	Computers & Mathematics with Applications	UK	0	3	0	3	0.10	0.00	0.04
448.	Construction and Building Materials	UK	0	0	3	3	0.00	0.07	0.04
449.	Geotechnique	UK	0.404	1	2	3	0.03	0.05	0.04
450.	IAHS Publication	UK	0	0	3	3	0.00	0.07	0.04
451.	International Journal of Advanced Manufacturing Technology	UK	0	1	2	3	0.03	0.05	0.04

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
452.	International Journal of Circuit Theory and Applications	UK	0.627	2	1	3	0.06	0.02	0.04
453.	International Journal of Electrical Engineering Education	UK	0.014	2	1	3	0.06	0.02	0.04
454.	Journal of the European Ceramic Society	UK	0.76	2	1	3	0.06	0.02	0.04
455.	Materials and Manufacturing Processes	UK	0	1	2	3	0.03	0.05	0.04
456.	Precision Engineering	UK	0	3	0	3	0.10	0.00	0.04
457.	Reliability Engineering & System Safety	UK	0.29	0	3	3	0.00	0.07	0.04
458.	SESI Journal	UK	0	3	0	3	0.10	0.00	0.04
459.	Tribology International	UK	0.369	0	3	3	0.00	0.07	0.04
460.	Ultrasonics	UK	0	3	0	3	0.10	0.00	0.04
461.	Advances in Space Research	USA	0	3	0	3	0.10	0.00	0.04
462.	Biomedical Sciences Instrumentation	USA	0	0	3	3	0.00	0.07	0.04
463.	Bioresource Technology and Bioengineering	USA	0	3	0	3	0.10	0.00	0.04
464.	Corrosion (Houston)	USA	0.467	2	1	3	0.06	0.02	0.04
465.	Energy Systems and Policy	USA	0	3	0	3	0.10	0.00	0.04
466.	Environment International	USA	0.35	2	1	3	0.06	0.02	0.04
467.	Fatigue and Fracture of Engineering Materials & Structures	USA	0.423	0	3	3	0.00	0.07	0.04
468.	Food Biotechnology	USA	0	3	0	3	0.10	0.00	0.04
469.	Hydrocarbon Processing	USA	0.199	2	1	3	0.06	0.02	0.04
470.	IEEE Design and Test of Computers	USA	0	3	0	3	0.10	0.00	0.04
471.	IEEE Journal of Quantum Electronics	USA	2.595	2	1	3	0.06	0.02	0.04
472.	IEEE Transactions on Communications	USA	0.969	2	1	3	0.06	0.02	0.04
473.	Independent Energy	USA	0.115	0	3	3	0.00	0.07	0.04
474.	International Communications in Heat and Mass Transfer	USA	0.282	0	3	3	0.00	0.07	0.04
475.	International Journal of Numerical Methods for Heat and Fluid Flow	USA	0.764	0	3	3	0.00	0.07	0.04
476.	Journal of Applied Fire Science	USA	0	0	3	3	0.00	0.07	0.04
477.	Journal of Applied Mechanics	USA	0.577	0	3	3	0.00	0.07	0.04
478.	Journal of Biomaterials Applications	USA	1.418	2	1	3	0.06	0.02	0.04
479.	Journal of Biomechanics	USA	1.548	2	1	3	0.06	0.02	0.04
480.	Journal of Biomedical Materials Research	USA	0	3	0	3	0.10	0.00	0.04
481.	Journal of Dynamic systems measurement and Control	USA	0	3	0	3	0.10	0.00	0.04
482.	Journal of Electronic Materials	USA	1.238	0	3	3	0.00	0.07	0.04
483.	Journal of Heat Transfer	USA	0	3	0	3	0.10	0.00	0.04
484.	Journal of Performance of Constructed Facilities	USA	0	2	1	3	0.06	0.02	0.04
485.	Journal of Polymer Science Part B: Polymer Physics	USA	1.35	1	2	3	0.03	0.05	0.04
486.	Journal of the Franklin Institute	USA	0.252	1	2	3	0.03	0.05	0.04
487.	Materials Forum	USA	0.291	1	2	3	0.03	0.05	0.04
488.	Microwaves & RF	USA	0.038	1	2	3	0.03	0.05	0.04
489.	Mining Engineering	USA	0	0	3	3	0.00	0.07	0.04

(Cont...)



	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
490.	Numerical Heat Transfer: An International								
491	Journal of Computation and Methodology	USA	0	0	3	3	0.00	0.07	0.04
492	Optical Engineering	USA	0.65	1	2	3	0.03	0.05	0.04
493.	Photogrammetric Engineering and Remote Sensing	USA	0	3	0	3	0.10	0.00	0.04
494.	Progress in Polymer Science (Oxford)	USA	2.74	2	1	3	0.06	0.02	0.04
495.	Quality Progress	USA	0.136	0	3	3	0.00	0.07	0.04
496.	Remote Sensing of Environment	USA	1.695	1	2	3	0.03	0.05	0.04
497.	S T L E Tribology Transactions	USA	0	0	3	3	0.00	0.07	0.04
498.	Separations Technology	USA	0	0	3	3	0.00	0.07	0.04
499.	SIAM Journal on Computing	USA	0.727	0	3	3	0.00	0.07	0.04
500.	Soil Dynamics and Earthquake Engineering	USA	0	2	1	3	0.06	0.02	0.04
501.	Soil Science Society of America Journal	USA	1.231	2	1	3	0.06	0.02	0.04
502.	Tunnelling and Underground Space Technology	USA	0	2	1	3	0.06	0.02	0.04
503.	VLSI Design	USA	0	0	3	3	0.00	0.07	0.04
504.	Water Supply	USA	0	2	1	3	0.06	0.02	0.04
505.	Welding Journal (Miami Fla)	USA	0.135	0	3	3	0.00	0.07	0.04
506.	Journal of King Saud University Engineering Sciences	Others	0	0	2	2	0.00	0.05	0.03
507.	Powder Engineering	AUS	0	2	0	2	0.06	0.00	0.03
508.	Canadian Journal of Physics	CAN	0.408	1	1	2	0.03	0.02	0.03
509.	Pulp & Paper International	CAN	0.255	0	2	2	0.00	0.05	0.03
510.	China Ocean Engineering	CHI	0	2	0	2	0.06	0.00	0.03
511.	Journal of Materials Science and Technology	CHI	0.044	0	2	2	0.00	0.05	0.03
512.	International Journal for the Joining of Materials	DEN	0	0	2	2	0.00	0.05	0.03
513.	Annales des Telecommunications/Annals of Telecommunications	FRN	0.155	1	1	2	0.03	0.02	0.03
514.	Chemic-Ingenieur-Technik	GER	0	2	0	2	0.06	0.00	0.03
515.	International Journal of Applied Engineering Education	GER	0	1	1	2	0.03	0.02	0.03
516.	NLM Technical Journal	IND	0	2	0	2	0.06	0.00	0.03
517.	International Water & Irrigation Review	ISR	0	0	2	2	0.00	0.05	0.03
518.	Journal of Nuclear Science and Technology	JPN	0.446	1	1	2	0.03	0.02	0.03
519.	Applied Catalysis: B Environmental	NETH	6.319	0	2	2	0.00	0.05	0.03
520.	Applied Clay Science	NETH	0	0	2	2	0.00	0.05	0.03
521.	Artificial Intelligence	NETH	1.915	0	2	2	0.00	0.05	0.03
522.	Decision Support Systems	NETH	0.354	1	1	2	0.03	0.02	0.03
523.	Geoexploration	NETH	0	2	0	2	0.06	0.00	0.03
524.	Integration the VLSI Journal	NETH	0	1	1	2	0.03	0.02	0.03
525.	Irrigation and Drainage Systems	NETH	0	0	2	2	0.00	0.05	0.03
526.	Journal of Adhesion Science and Technology	NETH	0.971	0	2	2	0.00	0.05	0.03
527.	Journal of Computational & Applied Mathematics	NETH	0.349	1	1	2	0.03	0.02	0.03
528.	Journal of Electron Spectroscopy and Related Phenomena	NETH	1.274	0	2	2	0.00	0.05	0.03
529.	Journal of Geochemical Exploration	NETH	0.488	1	1	2	0.03	0.02	0.03

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
530.	Journal of Information Science	NETH	0.224	1	1	2	0.03	0.02	0.03
531.	Journal of Wind Engineering and Industrial Aerodynamics	NETH	0.114	1	1	2	0.03	0.02	0.03
532.	Ore Geology Reviews	NETH	0	2	0	2	0.06	0.00	0.03
533.	Parallel Computing	NETH	0.42	1	1	2	0.03	0.02	0.03
534.	Computer Methods in Applied Mechanics and Engineering	SWZ	1.018	0	2	2	0.00	0.05	0.03
535.	IFIP Transactions C: Communication Systems	SWZ	0.01	0	2	2	0.00	0.05	0.03
536.	Progress in Organic Coatings	SWZ	0.407	1	1	2	0.03	0.02	0.03
537.	Adsorption Science and Technology	UK	0	0	2	2	0.00	0.05	0.03
538.	Applications of Artificial Intelligence in Engineering	UK	0	0	2	2	0.00	0.05	0.03
539.	Biomaterials	UK	1.576	1	1	2	0.03	0.02	0.03
540.	British Corrosion Journal	UK	0	0	2	2	0.00	0.05	0.03
541.	Building Research and Practice	UK	0	2	0	2	0.06	0.00	0.03
542.	Communications in Applied Numerical Methods	UK	0	2	0	2	0.06	0.00	0.03
543.	Composites	UK	0.821	1	1	2	0.03	0.02	0.03
544.	Computer Aided Design	UK	0	2	0	2	0.06	0.00	0.03
545.	Glass International	UK	0	0	2	2	0.00	0.05	0.03
546.	Glass Technology	UK	0.188	1	1	2	0.03	0.02	0.03
547.	Ground Engineering	UK	1.16	0	2	2	0.00	0.05	0.03
548.	International Journal of Polymeric Materials	UK	0.16	0	2	2	0.00	0.05	0.03
549.	International Journal of Rapid Solidification	UK	0	2	0	2	0.06	0.00	0.03
550.	Journal of Constructional Steel Research	UK	0.262	0	2	2	0.00	0.05	0.03
551.	Journal of Materials Science: Materials in Medicine	UK	1.102	1	1	2	0.03	0.02	0.03
552.	Journal of Plasma Physics	UK	0.615	0	2	2	0.00	0.05	0.03
553.	Journal of the Institute of Energy	UK	0	0	2	2	0.00	0.05	0.03
554.	Journal of the Society of Leather Technologies & Chemists	UK	0.22	0	2	2	0.00	0.05	0.03
555.	Man's Influence on Freshwater Ecosystems and Water Use IAHS Publication	UK	0	0	2	2	0.00	0.05	0.03
556.	Materials & Design	UK	0	1	1	2	0.03	0.02	0.03
557.	Mining Technology	UK	0	0	2	2	0.00	0.05	0.03
558.	Nanostructured Materials	UK	1.424	0	2	2	0.00	0.05	0.03
559.	Nuclear Engineering International	UK	0.084	0	2	2	0.00	0.05	0.03
560.	Polymers & Polymer Composites	UK	0	0	2	2	0.00	0.05	0.03
561.	Power Engineering Journal	UK	0.028	1	1	2	0.03	0.02	0.03
562.	Progress in Rubber and Plastics Technology	UK	0	0	2	2	0.00	0.05	0.03
563.	Quarterly Journal of Mechanics and Applied Mathematics	UK	0.658	1	1	2	0.03	0.02	0.03
564.	Steel Times	UK	0	0	2	2	0.00	0.05	0.03
565.	Structural Design of Tall Buildings	UK	0	0	2	2	0.00	0.05	0.03
566.	Structural Engineer	UK	0	2	0	2	0.06	0.00	0.03

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
567.	Textile Month	UK	0	0	2	2	0.00	0.05	0.03
568.	Atmospheric Environment.- Part A: General Topics	USA	0	2	0	2	0.06	0.00	0.03
569.	Atmospheric Environment.- Part B: Urban Atmosphere	USA	0	2	0	2	0.06	0.00	0.03
570.	Biotechnology Advances	USA	0.455	0	2	2	0.00	0.05	0.03
571.	Biotechnology Progress	USA	1.699	1	1	2	0.03	0.02	0.03
572.	Computerized Medical Imaging & Graphics	USA	0.536	1	1	2	0.03	0.02	0.03
573.	Control - Theory and Advanced Technology	USA	0	0	2	2	0.00	0.05	0.03
574.	CVGIP: Graphical Models and Image Processing	USA	0.506	0	2	2	0.00	0.05	0.03
575.	Drying Technology	USA	0	2	0	2	0.06	0.00	0.03
576.	Environmental Management	USA	0.477	0	2	2	0.00	0.05	0.03
577.	Geophysical Research Letters	USA	2.145	0	2	2	0.00	0.05	0.03
578.	Geotechnical Special Publication	USA	0	0	2	2	0.00	0.05	0.03
579.	Geotechnical Testing Journal	USA	0	2	0	2	0.06	0.00	0.03
580.	Heat Transfer Engineering	USA	0	0	2	2	0.00	0.05	0.03
581.	Hewlett Packard Journal	USA	0	2	0	2	0.06	0.00	0.03
582.	IEEE Control Systems Magazine	USA	0	0	2	2	0.00	0.05	0.03
583.	IEEE Photonics Technology Letters	USA	1.244	1	1	2	0.03	0.02	0.03
584.	IEEE Transactions of Biomedical Engineering	USA	0	2	0	2	0.06	0.00	0.03
585.	IEEE Transactions of Power Electronics	USA	0	2	0	2	0.06	0.00	0.03
586.	IEEE Transactions on Acoustics.- Speech and Signal Processing	USA	0	2	0	2	0.06	0.00	0.03
587.	IEEE Transactions on Automatic Control	USA	0.867	0	2	2	0.00	0.05	0.03
588.	IEEE Transactions on Broadcasting	USA	0.194	1	1	2	0.03	0.02	0.03
589.	IEEE Transactions on Computers - Aided Design of Integrated Circuits and Systems	USA	0.532	1	1	2	0.03	0.02	0.03
590.	IEEE Transactions on Electrical Insulation	USA	0	2	0	2	0.06	0.00	0.03
591.	IEEE Transactions on Nuclear Science	USA	1.183	1	1	2	0.03	0.02	0.03
592.	IEEE Transactions on Pattern Analysis and Machine Intelligence	USA	2.006	0	2	2	0.00	0.05	0.03
593.	IEEE Transactions on Ultrasonics.- Ferroelectrics and Frequency Control	USA	0	2	0	2	0.06	0.00	0.03
594.	Indian Journal of Pure & Applied Physics	USA	0	2	0	2	0.06	0.00	0.03
595.	Indian Journal of Technology	USA	0	2	0	2	0.06	0.00	0.03
596.	International Journal of Global Energy Issues	USA	0	0	2	2	0.00	0.05	0.03
597.	International Journal of Powder Metallurgy	USA	0	2	0	2	0.06	0.00	0.03
598.	International Shipbuilding Progress	USA	0	2	0	2	0.06	0.00	0.03
599.	Journal of Advanced Transportation	USA	0	0	2	2	0.00	0.05	0.03
600.	Journal of Applied Geophysics	USA	0.2	0	2	2	0.00	0.05	0.03
601.	Journal of Applied Manufacturing Systems	USA	0	2	0	2	0.06	0.00	0.03
602.	Journal of Dispersion Science & Technology	USA	0.573	0	2	2	0.00	0.05	0.03
603.	Journal of Energy Resources Technology	USA	0.138	0	2	2	0.00	0.05	0.03
604.	Journal of Engineering for Industry	USA	0.147	1	1	2	0.03	0.02	0.03
605.	Journal of Fluid Mechanics	USA	1.864	1	1	2	0.03	0.02	0.03

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
606.	Journal of Fluids Engineering	USA	0.383	0	2	2	0.00	0.05	0.03
607.	Journal of Low Temperature Physics	USA	0	2	0	2	0.06	0.00	0.03
608.	Journal of Mechanical Design	USA	0.1	0	2	2	0.00	0.05	0.03
609.	Journal of Physical Chemistry	USA	3.242	0	2	2	0.00	0.05	0.03
610.	Journal of Quantitative Spectroscopy and Radiative Transfer	USA	1.6	0	2	2	0.00	0.05	0.03
611.	Journal of Spacecraft and Rockets	USA	0.426	1	1	2	0.03	0.02	0.03
612.	Journal of Superconductivity	USA	1.36	1	1	2	0.03	0.02	0.03
613.	Journal of Wood Chemistry and Technology	USA	0.763	1	1	2	0.03	0.02	0.03
614.	Lubrication Engineering	USA	0.269	0	2	2	0.00	0.05	0.03
615.	Marine Mining	USA	0	2	0	2	0.06	0.00	0.03
616.	Microcomputers for Information Management	USA	0	2	0	2	0.06	0.00	0.03
617.	Naval Research Logistics	USA	0	2	0	2	0.06	0.00	0.03
618.	Neural Networks for Signal Processing	USA	0	0	2	2	0.00	0.05	0.03
619.	Nuclear Safety	USA	0.104	1	1	2	0.03	0.02	0.03
620.	Oceans Conference Record (IEEE)	USA	0	0	2	2	0.00	0.05	0.03
621.	Operating Systems Review	USA	0	2	0	2	0.06	0.00	0.03
622.	Peat and Coal: Origin Facies and Coalification International Journal of Coal Geology	USA	0	2	0	2	0.06	0.00	0.03
623.	Resources Conservation and Recycling	USA	0.189	0	2	2	0.00	0.05	0.03
624.	Scientific American	USA	2.881	1	1	2	0.03	0.02	0.03
625.	SIAM Journal on Control and Optimization	USA	0.968	0	2	2	0.00	0.05	0.03
626.	Simulation	USA	0	2	0	2	0.06	0.00	0.03
627.	Transportation Research Record	USA	0	1	1	2	0.03	0.02	0.03
628.	Turbomachinery International	USA	0	0	2	2	0.00	0.05	0.03
629.	Visual Computer	USA	0	0	2	2	0.00	0.05	0.03
630.	Water Resources Bulletin	USA	0.513	1	1	2	0.03	0.02	0.03
631.	Koks i Khimiya/Coke and Chemistry	USSR	0	0	2	2	0.00	0.05	0.03
632.	Heavy Vehicle Systems	\$IND	0	0	1	1	0.00	0.02	0.01
633.	International Journal of Engineering Intelligent Systems for Electrical Engineering and Communicatio	\$IND	0	0	1	1	0.00	0.02	0.01
634.	Journal of Energy in Southern Africa	AFR	0	0	1	1	0.00	0.02	0.01
635.	Australasian Physical & Engineering Sciences in Medicine	AUS	0	0	1	1	0.00	0.02	0.01
636.	Australian Mining	AUS	0	0	1	1	0.00	0.02	0.01
637.	Metals Forum	AUS	0	1	0	1	0.03	0.00	0.01
638.	Process and Control Engineering	AUS	0	0	1	1	0.00	0.02	0.01
639.	Rail International	BEL	0	0	1	1	0.00	0.02	0.01
640.	Transactions of the Canadian Society for Mechanical Engineering	CAN	0.055	0	1	1	0.00	0.02	0.01
641.	Xiyou Jinshu/Rare Metals	CHI	0	0	1	1	0.00	0.02	0.01
642.	Journal of Applied Crystallography	DEN	1.951	0	1	1	0.00	0.02	0.01
643.	Applicable Algebra in Engineering Communications and Computing	DEU	0	0	1	1	0.00	0.02	0.01

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
644.	Acta Polytechnica Scandinavica.- Applied Physics Series	FIN	0	1	0	1	0.03	0.00	0.01
645.	Commutation & Transmission	FRN	0	0	1	1	0.00	0.02	0.01
646.	Airport Forum	GER	0	0	1	1	0.00	0.02	0.01
647.	eb - Elektrische Bahnen	GER	0	0	1	1	0.00	0.02	0.01
648.	Erzmetall	GER	0	1	0	1	0.03	0.00	0.01
649.	Frequenz	GER		0	1	1	0.00	0.02	0.01
650.	Glueckauf: Zeitschrift fuer Technik und Wirtschaft des Bergbaus	GER	0	0	1	1	0.00	0.02	0.01
651.	Journal of Optical Communications	GER	0	0	1	1	0.00	0.02	0.01
652.	Plant/Operations Progress	GER	0	1	0	1	0.03	0.00	0.01
653.	Tenside Surfactants Detergents	GER	0	0	1	1	0.00	0.02	0.01
654.	Werkstoffe and Korrosion	GER	0	1	0	1	0.03	0.00	0.01
655.	Wire	GER	0	1	0	1	0.03	0.00	0.01
656.	Bulletin of Institution of Engineers	IND	0	1	0	1	0.03	0.00	0.01
657.	Journal of the Institution of Engineers (India): Mining Engineering Division	IND	0	1	0	1	0.03	0.00	0.01
658.	Journal of the Institution of Engineers (India): Textile Engineering Division	IND	0	1	0	1	0.03	0.00	0.01
659.	Telecommunications (International Edition)	IND	0	0	1	1	0.00	0.02	0.01
660.	Transactions of the Indian Ceramic Society	IND	0	1	0	1	0.03	0.00	0.01
661.	Iranian Journal of Polymer Science and Technology (English Edition)	IRAN	0	0	1	1	0.00	0.02	0.01
662.	Journal of Chemical Engineering of Japan	JPN	0	1	0	1	0.03	0.00	0.01
663.	JSME International Journal Series A: Mechanics and Material Engineering	JPN	0.219	0	1	1	0.00	0.02	0.01
664.	Transactions of the Japan Institute of Metals	JPN	0	1	0	1	0.03	0.00	0.01
665.	Transactions of the Japan Society for Aeronautical and Space Sciences	JPN	0.105	0	1	1	0.00	0.02	0.01
666.	ABU Technical Review	MAL		0	1	1	0.00	0.02	0.01
667.	Advanced Powder Technology	NETH	0	0	1	1	0.00	0.02	0.01
668.	Asymptotic Analysis	NETH	2.328	0	1	1	0.00	0.02	0.01
669.	Chinese Journal of Polymer Science (English Edition)	NETH	0	0	1	1	0.00	0.02	0.01
670.	Computer Aided Geometric Desing	NETH	0	1	0	1	0.03	0.00	0.01
671.	Data & Knowledge Engineering	NETH	0	0	1	1	0.00	0.02	0.01
672.	Education for Information	NETH	0	0	1	1	0.00	0.02	0.01
673.	Future Generations Computer Systems	NETH	0	1	0	1	0.03	0.00	0.01
674.	Information and Decision Technologies	NETH	0.189	0	1	1	0.00	0.02	0.01
675.	International Journal of Industrial Ergonomics	NETH	0	1	0	1	0.03	0.00	0.01
676.	Journal of Analytical and Applied Pyrolysis	NETH	0.771	0	1	1	0.00	0.02	0.01
677.	Journal of Electrostatics	NETH	0.184	0	1	1	0.00	0.02	0.01
678.	Journal of Non-Newtonian Fluid Mechanics	NETH	1.535	0	1	1	0.00	0.02	0.01
679.	Medical Progress Through Technology	NETH	0.127	0	1	1	0.00	0.02	0.01
680.	Neural Network World	NETH	0	0	1	1	0.00	0.02	0.01

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
681.	New Polymeric Materials	NETH	0	0	1	1	0.00	0.02	0.01
682.	Reviews in Chemical Engineering	NETH	0	1	0	1	0.03	0.00	0.01
683.	Smart Materials and Structures	NETH	0	0	1	1	0.00	0.02	0.01
684.	Surveys in Geophysics	NETH	0	0	1	1	0.00	0.02	0.01
685.	Theoretical Computer Science	NETH	0	1	0	1	0.03	0.00	0.01
686.	Trends in Biotechnology	NETH	0	1	0	1	0.03	0.00	0.01
687.	SEASI Quarterly	PIH	0	0	1	1	0.00	0.02	0.01
688.	Diamond and Related Materials	SWZ	2.017	0	1	1	0.00	0.02	0.01
689.	EBU Review.- Part A: Technical	SWZ	0	1	0	1	0.03	0.00	0.01
690.	Acta Astronautica	UK	0.099	0	1	1	0.00	0.02	0.01
691.	Advances in Cement Research	UK	0	0	1	1	0.00	0.02	0.01
692.	Advancing Microelectronics	UK	0	0	1	1	0.00	0.02	0.01
693.	Applied Ergonomics	UK	0.453	0	1	1	0.00	0.02	0.01
694.	Calphad: Computer Coupling of Phase Diagrams and Thermochemistry	UK	0.609	0	1	1	0.00	0.02	0.01
695.	Civil Engineering Systems	UK	0	1	0	1	0.03	0.00	0.01
696.	Colliery Guardian	UK	0	0	1	1	0.00	0.02	0.01
697.	Computer Journal	UK	0	1	0	1	0.03	0.00	0.01
698.	Condition Monitoring & Diagnostic Technology	UK	0	1	0	1	0.03	0.00	0.01
699.	Control Engineering Practice	UK	0.016	0	1	1	0.00	0.02	0.01
700.	Dock & Harbour Authority	UK	0	0	1	1	0.00	0.02	0.01
701.	Earthquake Engineering and Structural Dynamics	UK	0	1	0	1	0.03	0.00	0.01
702.	Electronic Library	UK	0	0	1	1	0.00	0.02	0.01
703.	European Coasting Journal	UK	0	1	0	1	0.03	0.00	0.01
704.	Fire and Materials	UK	0	0	1	1	0.00	0.02	0.01
705.	Forensic Engineering	UK	0	1	0	1	0.03	0.00	0.01
706.	GEC Review	UK	0	0	1	1	0.00	0.02	0.01
707.	High Temperature Technology	UK	0	1	0	1	0.03	0.00	0.01
708.	Information and Software Technology	UK	0.182	0	1	1	0.00	0.02	0.01
709.	Insight - Non - Destructive Testing and Condition Monitoring	UK	0	0	1	1	0.00	0.02	0.01
710.	International Journal of Control	UK	0	1	0	1	0.03	0.00	0.01
711.	International Journal of Environmental Analytical Chemistry	UK		0	1	1	0.00	0.02	0.01
712.	International Journal of Fatigue	UK		0	1	1	0.00	0.02	0.01
713.	International Journal of Plasticity	UK	0.862	0	1	1	0.00	0.02	0.01
714.	International Journal of Project Management	UK	0	0	1	1	0.00	0.02	0.01
715.	International Journal of Refractory Metals and Hard Materials	UK	0	0	1	1	0.00	0.02	0.01
716.	International Journal of Refrigeration	UK	0.687	0	1	1	0.00	0.02	0.01
717.	International Journal of Satellite Communications	UK	0	1	0	1	0.03	0.00	0.01
718.	Journal of Microcomputer Applications	UK	0	1	0	1	0.03	0.00	0.01
719.	Journal of Strategic Information Systems	UK	0	0	1	1	0.00	0.02	0.01

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
720.	Journal of Synthetic Lubrication	UK	0	1	0	1	0.03	0.00	0.01
721.	Laser and Particle Beams	UK	0.389	0	1	1	0.00	0.02	0.01
722.	Marine and Petroleum Geology	UK	0.854	0	1	1	0.00	0.02	0.01
723.	Marine Engineers Review	UK	0	0	1	1	0.00	0.02	0.01
724.	Materials at High Temperatures	UK	0.203	0	1	1	0.00	0.02	0.01
725.	Measurement: Journal of the International Measurement Confederation	UK	0	0	1	1	0.00	0.02	0.01
726.	Medical Engineering & Physics	UK	0	0	1	1	0.00	0.02	0.01
727.	Metal Powder Report	UK	0	0	1	1	0.00	0.02	0.01
728.	Mine and Quarry	UK	0	0	1	1	0.00	0.02	0.01
729.	Modal Analysis: The International Journal of Analytical and Experimental Modal Analysis	UK	0	0	1	1	0.00	0.02	0.01
730.	Modelling and Management of Sustainable Basin-Scale Water Resource Systems IAHS Publication	UK	0	0	1	1	0.00	0.02	0.01
731.	Motor Ship	UK	0	0	1	1	0.00	0.02	0.01
732.	Naval Architect	UK	0	0	1	1	0.00	0.02	0.01
733.	NDT & E International	UK	0.189	0	1	1	0.00	0.02	0.01
734.	Ocean and Coastal Management	UK	0	0	1	1	0.00	0.02	0.01
735.	Online and CDROM Review	UK	0.389	0	1	1	0.00	0.02	0.01
736.	Optimal Control Applications & Methods	UK	0	1	0	1	0.03	0.00	0.01
737.	Parallel Processing Letters	UK	0	0	1	1	0.00	0.02	0.01
738.	Petroleum Review	UK	0	0	1	1	0.00	0.02	0.01
739.	Philosophical Magazine A: Physics of Condensed Matter -Defects and Mechanical Properties	UK	0	1	0	1	0.03	0.00	0.01
740.	Pure and Applied Optics: Journal of the European Optical Society	UK	0	0	1	1	0.00	0.02	0.01
741.	Software Practice and Experience	UK	0	1	0	1	0.03	0.00	0.01
742.	Technovation	UK	0.147	0	1	1	0.00	0.02	0.01
743.	Telecommunications Policy	UK	0.381	0	1	1	0.00	0.02	0.01
744.	Thin Walled Structures	UK	0	1	0	1	0.03	0.00	0.01
745.	Transactions of the Institution of Mining & Metallurgy Section B: Applied Earth Science	UK	0.205	0	1	1	0.00	0.02	0.01
746.	Transactions of the Institution of Mining & Metallurgy Section A: Mining Industry	UK	0.074	0	1	1	0.00	0.02	0.01
747.	Transportation Research Part A: Policy and Practice	UK	0.424	0	1	1	0.00	0.02	0.01
748.	Tunnels and Tunnelling	UK	0	1	0	1	0.03	0.00	0.01
749.	Waste Management and Research	UK	0	1	0	1	0.03	0.00	0.01
750.	Wind Engineering	UK	0	0	1	1	0.00	0.02	0.01
751.	World Oil	UK	0	0	1	1	0.00	0.02	0.01
752.	AAPG Bulletin	USA	0	1	0	1	0.03	0.00	0.01
753.	ACM Transactions on Programming Languages & Systems	USA	1.152	0	1	1	0.00	0.02	0.01
754.	Acta Informatica	USA	0	1	0	1	0.03	0.00	0.01
755.	Acta Mechanica	USA	0	1	0	1	0.03	0.00	0.01

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
756.	Advanced Cement Based Materials	USA	0	0	1	1	0.00	0.02	0.01
757.	Advances in Cryogenic Engineering	USA	0	1	0	1	0.03	0.00	0.01
758.	Advances in Engineering Software	USA	0	1	0	1	0.03	0.00	0.01
759.	Advances in Gas-Liquid Flows	USA	0	1	0	1	0.03	0.00	0.01
760.	Algorithmica	USA	0	1	0	1	0.03	0.00	0.01
761.	American Ceramic Society Bulletin	USA	0.389	0	1	1	0.00	0.02	0.01
762.	American Laboratory	USA	0.664	0	1	1	0.00	0.02	0.01
763.	Analytical Instrumentation	USA	0	1	0	1	0.03	0.00	0.01
764.	Annals of Occupational Hygiene	USA	0	1	0	1	0.03	0.00	0.01
765.	Applied Engineering in Agriculture	USA	0	1	0	1	0.03	0.00	0.01
766.	Applied Intelligence	USA	0	0	1	1	0.00	0.02	0.01
767.	Applied Mathematics and Optimization	USA	0	1	0	1	0.03	0.00	0.01
768.	Archive of Applied Mechanics	USA	0.236	0	1	1	0.00	0.02	0.01
769.	Automatica	USA	0.9	0	1	1	0.00	0.02	0.01
770.	Biological Cybernetics	USA	1.189	0	1	1	0.00	0.02	0.01
771.	Bulletin of the Geothermal Resources Council	USA	0	0	1	1	0.00	0.02	0.01
772.	Cement Concrete and Aggregates	USA	0	0	1	1	0.00	0.02	0.01
773.	Chemical Engineering Progress	USA	0	1	0	1	0.03	0.00	0.01
774.	Circuits.- Systems and Signal Processing	USA	0	1	0	1	0.03	0.00	0.01
775.	Clays and Clay Minerals	USA	0	1	0	1	0.03	0.00	0.01
776.	Coal Preparation	USA	0	0	1	1	0.00	0.02	0.01
777.	Communications of ACM	USA	0	1	0	1	0.03	0.00	0.01
778.	Compost Science and Utilization	USA	0	0	1	1	0.00	0.02	0.01
779.	Computer	USA	0	0	1	1	0.00	0.02	0.01
780.	Computers & Fluids	USA	0.442	0	1	1	0.00	0.02	0.01
781.	Computing & Control Engineering Journal	USA	0	0	1	1	0.00	0.02	0.01
782.	Concrete International	USA	0	0	1	1	0.00	0.02	0.01
783.	Cybernetics and Systems	USA	0.507	0	1	1	0.00	0.02	0.01
784.	Deep Sea Reseach.- Part A: Oceanographic Research Papers	USA	0	1	0	1	0.03	0.00	0.01
785.	Diesel & Gas Turbine Worldwide	USA	0	0	1	1	0.00	0.02	0.01
786.	Energy & Fuels	USA	1.218	0	1	1	0.00	0.02	0.01
787.	Engineering and Mining Journal	USA	0.052	0	1	1	0.00	0.02	0.01
788.	Engineering News-Record	USA	0	0	1	1	0.00	0.02	0.01
789.	Engineering Simulation	USA	0	0	1	1	0.00	0.02	0.01
790.	Experimental Mechanics	USA	0	1	0	1	0.03	0.00	0.01
791.	Experimental Techniques	USA	0	1	0	1	0.03	0.00	0.01
792.	Fiber and Integrated Optics	USA	0.232	0	1	1	0.00	0.02	0.01
793.	Gear Technology	USA	0	0	1	1	0.00	0.02	0.01
794.	High Pressure Research	USA	0	1	0	1	0.03	0.00	0.01
795.	High Temperature Science	USA	0	1	0	1	0.03	0.00	0.01
796.	ICIASF Record	USA	0	0	1	1	0.00	0.02	0.01
797.	IEEE Communications Magazine	USA	0	1	0	1	0.03	0.00	0.01
798.	IEEE Expert	USA	0.629	0	1	1	0.00	0.02	0.01
799.	IEEE Journal of Selected Areas in Communications	USA	0	1	0	1	0.03	0.00	0.01

(Cont...)



	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
800.	IEEE Journal of Solid-State Circuits	USA	0	1	0	1	0.03	0.00	0.01
801.	IEEE Potentials	USA	0	1	0	1	0.03	0.00	0.01
802.	IEEE Review	USA	0	1	0	1	0.03	0.00	0.01
803.	IEEE Software	USA	0	1	0	1	0.03	0.00	0.01
804.	IEEE Spectrum	USA	0.623	0	1	1	0.00	0.02	0.01
805.	IEEE Transactions on Components.- Hybrids and Manufacturing Technology	USA	0	1	0	1	0.03	0.00	0.01
806.	IEEE Transactions on Consumer Electronics	USA	0	1	0	1	0.03	0.00	0.01
807.	IEEE Transactions on Control Systems Technology	USA	0	0	1	1	0.00	0.02	0.01
808.	IEEE Transactions on Education	USA	0	1	0	1	0.03	0.00	0.01
809.	IEEE Transactions on Electromagnetic Compatibility	USA	0	1	0	1	0.03	0.00	0.01
810.	IEEE Transactions on Engineering Management	USA	0	1	0	1	0.03	0.00	0.01
811.	IEEE Transactions on Fuzzy Systems	USA	0	0	1	1	0.00	0.02	0.01
812.	IEEE Transactions on Industry Applications	USA	0	1	0	1	0.03	0.00	0.01
813.	IEEE Transactions on Information Theory	USA	1.971	0	1	1	0.00	0.02	0.01
814.	IEEE Transactions on Semiconductor Manufacturing	USA	0	1	0	1	0.03	0.00	0.01
815.	IEEE WESCANEX Communications Power and Computing	USA	0	0	1	1	0.00	0.02	0.01
816.	Industrial Heating	USA	0	0	1	1	0.00	0.02	0.01
817.	InterCeram: International Ceramic Review	USA	0	0	1	1	0.00	0.02	0.01
818.	International Journal of Applied Electromagnetics in Materials	USA	0	0	1	1	0.00	0.02	0.01
819.	International Journal of Applied Engineering Education	USA	0	1	0	1	0.03	0.00	0.01
820.	International Journal of Multiphase Flow	USA	0.755	0	1	1	0.00	0.02	0.01
821.	International Journal of Network Management	USA	0	0	1	1	0.00	0.02	0.01
822.	International Journal of Offshore and Polar Engineering	USA	0	0	1	1	0.00	0.02	0.01
823.	International Journal of Solar Energy	USA	0	0	1	1	0.00	0.02	0.01
824.	Iron Age New Steel	USA	0	0	1	1	0.00	0.02	0.01
825.	ITE Journal	USA	0	1	0	1	0.03	0.00	0.01
826.	Journal of Aerospace Engineering	USA	0	0	1	1	0.00	0.02	0.01
827.	Journal of Applied Biomaterials	USA	1.025	0	1	1	0.00	0.02	0.01
828.	Journal of Chromatographic Science	USA	2.315	0	1	1	0.00	0.02	0.01
829.	Journal of Clinical Engineering	USA	0	1	0	1	0.03	0.00	0.01
830.	Journal of Coatings Technology	USA	0	1	0	1	0.03	0.00	0.01
831.	Journal of Composites Technology & Research	USA	0.472	0	1	1	0.00	0.02	0.01
832.	Journal of Computing in Civil Engineering	USA	0	1	0	1	0.03	0.00	0.01
833.	Journal of Electronic Testing: Theory and Applications	USA	0	0	1	1	0.00	0.02	0.01
834.	Journal of Energy Engineering	USA	0.148	0	1	1	0.00	0.02	0.01

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
835.	Journal of Engineering for Gas Turbines and Power	USA	0.132	0	1	1	0.00	0.02	0.01
836.	Journal of Liquid Chromatography	USA	1.432	0	1	1	0.00	0.02	0.01
837.	Journal of Materials Synthesis & Processing	USA	0	0	1	1	0.00	0.02	0.01
838.	Journal of Molecular Graphics	USA	2.742	0	1	1	0.00	0.02	0.01
839.	Journal of Molecular Spectroscopy	USA	1.551	0	1	1	0.00	0.02	0.01
840.	Journal of Parallel & Distributed Computing	USA	0	1	0	1	0.03	0.00	0.01
841.	Journal of Petroleum Science & Engineering	USA	0	1	0	1	0.03	0.00	0.01
842.	Journal of Phase Equilibria	USA	0	0	1	1	0.00	0.02	0.01
843.	Journal of Pressure Vessel Technology	USA	0	1	0	1	0.03	0.00	0.01
844.	Journal of Rehabilitation Research & Development	USA	0	1	0	1	0.03	0.00	0.01
845.	Journal of Rheology	USA	2.315	0	1	1	0.00	0.02	0.01
846.	Journal of Solar Energy Engineering	USA	0.506	0	1	1	0.00	0.02	0.01
847.	Journal of Terramechanics	USA	0	1	0	1	0.03	0.00	0.01
848.	Journal of the American Leather Chemists Association	USA	0	1	0	1	0.03	0.00	0.01
849.	Journal of the Astronautical Sciences	USA	0.23	0	1	1	0.00	0.02	0.01
850.	Journal of the Audio Engineering Society	USA	0.5	0	1	1	0.00	0.02	0.01
851.	Journal of the Mechanics & Physics of Solids	USA	2.012	0	1	1	0.00	0.02	0.01
852.	Journal of Thermal Stresses	USA	0.5	0	1	1	0.00	0.02	0.01
853.	Lecture Notes in Physics	USA	0	0	1	1	0.00	0.02	0.01
854.	Lighting Design and Application	USA	0	0	1	1	0.00	0.02	0.01
855.	Log Analyst	USA	0	0	1	1	0.00	0.02	0.01
856.	Machine Design	USA	0	0	1	1	0.00	0.02	0.01
857.	Manufacturing Review	USA	0	1	0	1	0.03	0.00	0.01
858.	Marine Technology	USA	0	0	1	1	0.00	0.02	0.01
859.	Materials Performance	USA	0	1	0	1	0.03	0.00	0.01
860.	Mechanics of Structures and Machines	USA	0.333	0	1	1	0.00	0.02	0.01
861.	Microcomputers in Civil Engineering	USA	0	1	0	1	0.03	0.00	0.01
862.	Microwave Journal	USA	0.213	0	1	1	0.00	0.02	0.01
863.	Naval Engineering Journal	USA	0	1	0	1	0.03	0.00	0.01
864.	Neural Networks	USA	1.939	0	1	1	0.00	0.02	0.01
865.	Neurocomputing	USA	3.139	0	1	1	0.00	0.02	0.01
866.	NLGI Spokesman	USA	0	0	1	1	0.00	0.02	0.01
867.	Nonlinear Analysis Theory Methods & Applications	USA	0.38	0	1	1	0.00	0.02	0.01
868.	Numerical Methods for Partial Differential Equations	USA	0	0	1	1	0.00	0.02	0.01
869.	Optical Materials	USA	1.086	0	1	1	0.00	0.02	0.01
870.	Petroleum Engineer International	USA	0	1	0	1	0.03	0.00	0.01
871.	Pit & Quarry	USA	0	0	1	1	0.00	0.02	0.01
872.	Plasma Chemistry and Plasma Processing	USA	1.38	0	1	1	0.00	0.02	0.01
873.	Plasma Physics and Controlled Fusion	USA	2.056	0	1	1	0.00	0.02	0.01
874.	Polymer Composites	USA	0.719	0	1	1	0.00	0.02	0.01
875.	Polymer Reaction Engineering	USA	0	0	1	1	0.00	0.02	0.01

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
876.	Printed Circuit Fabrication	USA	0	1	0	1	0.03	0.00	0.01
877.	Production & Inventory Management Journal	USA	0	1	0	1	0.03	0.00	0.01
878.	Progress in Crystal Growth and Characterization of Materials	USA	0.688	0	1	1	0.00	0.02	0.01
879.	Progress in Energy and Combustion Science	USA	0	1	0	1	0.03	0.00	0.01
880.	Progress in Nuclear Energy	USA	0	1	0	1	0.03	0.00	0.01
881.	Progress in Quantum Electronics	USA	0	1	0	1	0.03	0.00	0.01
882.	Quality and Reliability Engineering International	USA	0	0	1	1	0.00	0.02	0.01
883.	Road and Transport Research	USA	0	0	1	1	0.00	0.02	0.01
884.	Robotics and Autonomous Systems	USA	0	0	1	1	0.00	0.02	0.01
885.	SIAM Journal of Numerical Analysis	USA	0	1	0	1	0.03	0.00	0.01
886.	SIAM Journal on Applied Mathematics	USA	0	1	0	1	0.03	0.00	0.01
887.	Solid State Nuclear Magnetic Resonance	USA	0	0	1	1	0.00	0.02	0.01
888.	SPE Formation Evaluation	USA	0	0	1	1	0.00	0.02	0.01
889.	Spectrochimica Acta Part B: Atomic Spectroscopy	USA	0.76	0	1	1	0.00	0.02	0.01
890.	Springer Series in Chemical Physics	USA	2.051	0	1	1	0.00	0.02	0.01
891.	Sunworld	USA	0	1	0	1	0.03	0.00	0.01
892.	TAPPI Journal	USA	0.357	0	1	1	0.00	0.02	0.01
893.	Technological Forecasting & Social Change	USA	0	0	1	1	0.00	0.02	0.01
894.	Telecommunications (Americas Edition)	USA	0	0	1	1	0.00	0.02	0.01
895.	Tracer Technologies for Hydrological Systems IAHS Publication	USA	0	0	1	1	0.00	0.02	0.01
896.	Water Environment and Technology	USA	0	1	0	1	0.03	0.00	0.01
897.	Water Environment Research	USA	0.313	0	1	1	0.00	0.02	0.01
898.	Acta Technica CSAV	USSR	0	1	0	1	0.03	0.00	0.01
899.	Akusticheskii Zhurnal	USSR	0	0	1	1	0.00	0.02	0.01
900.	Elektrosvyaz	USSR	0	0	1	1	0.00	0.02	0.01
901.	Issledovanie Zemli iz Kosmosa	USSR	0.7	0	1	1	0.00	0.02	0.01
902.	Meteorologiya i Gidrologiya	USSR	0	0	1	1	0.00	0.02	0.01
<b>Total</b>			<b>3089</b>	<b>4263</b>	<b>7352</b>	<b>99.22</b>	<b>99.24</b>	<b>99.18</b>	
<b>Non Journal Items</b>			<b>431</b>	<b>558</b>	<b>989</b>				
<b>No. of records without any code for document type</b>					<b>8</b>	<b>8</b>			
<b>Total</b>			<b>3520</b>	<b>4829</b>	<b>8349</b>				

Note: Impact Factor values are taken from Journal citation reports, 1994

Table : 11

**Indian Engineers contributions to the periodical literature in engineering  
Arranged by publicating country of the journal as seen from  
compendex database in 1990 and 94  
(arranged according to total number of papers)**

Sl. No.	Country of Publication	1990		1994		Total	Total %
		No.of Journal Articles	No.of Journal Articles	No.of Journal Articles	No.of Journal Articles		
1.	USA	277	1326	348	1739	3065	41.689
2.	UK	112	688	163	897	1585	21.559
3.	IND	35	335	32	580	915	12.446
4.	NETH	62	383	77	521	904	12.296
5.	SWZ	21	148	26	235	383	5.209
6.	GER	18	94	20	100	194	2.639
7.	JPN	8	30	9	48	78	1.061
8.	USSR	2	23	6	18	41	0.558
9.	HUN	1	14	3	21	35	0.476
10.	SING	0	0	1	26	26	0.354
11.	NZL	1	16	1	8	24	0.326
12.	CAN	4	10	6	12	22	0.299
13.	THI	2	5	3	15	20	0.272
14.	AUS	4	8	4	4	12	0.163
15.	FRN	2	3	3	8	11	0.149
16.	DEN	1	1	4	9	10	0.136
17.	ISR	0	0	2	7	7	0.095
18.	CHI	1	2	2	3	5	0.068
19.	SA	1	2	1	2	4	0.054
20.	IRE	0	0	1	3	3	0.041
21.	Others	0	0	1	2	2	0.027
22.	AFR	0	0	1	1	1	0.014
23.	BEL	0	0	1	1	1	0.014
24.	FIN	1	1	0	0	1	0.014
25.	IRAN	0	0	1	1	1	0.014
26.	MAL	0	0	1	1	1	0.014
27.	PHI	0	0	1	1	1	0.014
<b>Total</b>		<b>553</b>	<b>3089</b>	<b>718</b>	<b>4263</b>	<b>7352</b>	<b>100.000</b>
Non Journal Items			431		558	989	
No. of records without any code for document Type					8	8	
<b>Total</b>			<b>3520</b>		<b>4829</b>	<b>8349</b>	

Table : 12

**Indian papers in Indian Journals as seen from COMPENDEX in 1990 & 94**  
(arranged according to total number of papers)

Sl. No.	Journal Title (1)	No. of Papers			Percentages		
		1990 (2)	1994 (3)	Total (4)	1990 (5)	1994 (6)	Total (7)
1.	Bulletin of Materials Science	60	117	177	17.91	20.17	19.34
2.	Pramana - Journal of Physics	0	117	117	0.00	20.17	12.79
3.	CEW Chemical Engineering World	31	55	86	9.25	9.48	9.40
4.	Journal of Mines Metals & Fuels	39	31	70	11.64	5.34	7.65
5.	IETE Technical Review	10	37	47	2.99	6.38	5.14
6.	Journal of the Institution of Electronics & Telecommunication Engineers	1	39	40	0.30	6.72	4.37
7.	Irrigation and Power Journal	12	27	39	3.58	4.66	4.26
8.	Modelling Measurement & Control B: Solid & Fluid Mechanics & Thermics Mechanical systems	23	13	36	6.87	2.24	3.93
9.	Journal of Food Science and Technology	0	22	22	0.00	3.79	2.40
10.	Journal of Structural Engineering	13	8	21	3.88	1.38	2.30
11.	Journal of the Institution of Engineers (India): Civil Engineering Division	13	8	21	3.88	1.38	2.30
12.	Modelling Measurement & Control A: General Physics	7	11	18	2.09	1.90	1.97
13.	Indian Concrete Journal	7	9	16	2.09	1.55	1.75
14.	Research and Industry	16	0	16	4.78	0.00	1.75
15.	Transactions of the SAEST	15	0	15	4.48	0.00	1.64
16.	Journal of the Institution of Engineers (India): Mechanical Engineering Division	7	7	14	2.09	1.21	1.53
17.	Transactions of Powder Metallurgy Association of India	13	0	13	3.88	0.00	1.42
18.	Modelling Measurement & Control D: Manufacturing Management Human & Socio-Economic Problems	0	11	11	0.00	1.90	1.20
19.	Advances in Modelling and Analysis A: General Mathematical and Computer Tools	0	10	10	0.00	1.72	1.09
20.	Journal of Alloy Phase Diagrams	10	0	10	2.99	0.00	1.09
21.	Journal of the Institution of Engineers (India): Chemical Engineering Division	0	10	10	0.00	1.72	1.09
22.	Advances in Modelling & Analysis C: systems Analysis Control & Design	0	9	9	0.00	1.55	0.98
23.	Journal of the Institution of Engineers (India): Electrical Engineering	3	6	9	0.90	1.03	0.98
24.	Journal of the Institution of Engineers (India): Interdisciplinary Journal	8	1	9	2.39	0.17	0.98
25.	Journal of the Institution of Engineers (India): Electronics & Telecommunication Engineering Journal	0	7	7	0.00	1.21	0.77

(Cont....)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
26.	Chemical Age of India	6	0	6	1.79	0.00	0.66
27.	Journal of the Institution of Engineers (India): Architectural Engineering Division	5	1	6	1.49	0.17	0.66
28.	Advances in Modelling and Simulation	5	0	5	1.49	0.00	0.55
29.	Defence Science Journal	3	2	5	0.90	0.34	0.55
30.	Highway Research Bulletin	5	0	5	1.49	0.00	0.55
31.	Journal of the Institution of Engineers (India): Agricultural Engineering Division	2	3	5	0.60	0.52	0.55
32.	Journal of the Institution of Engineers (India): Environmental Engineering	1	4	5	0.30	0.69	0.55
33.	Electricity Conservation Quarterly	0	4	4	0.00	0.69	0.44
34.	International Journal of Structures	4	0	4	1.19	0.00	0.44
35.	Journal of the Institution of Engineers (India): Aerospace Engineering Journal	2	2	4	0.60	0.34	0.44
36.	Journal of the Institution of Engineers (India): Metallurgy and Material Science Division	4	0	4	1.19	0.00	0.44
37.	Modelling Measurement & Control C: Energetics Chemistry Earth Environmental & Biomedical Problems	1	3	4	0.30	0.52	0.44
38.	Fullerene Science and Technology	0	3	3	0.00	0.52	0.33
39.	Journal of Scientific and Industrial Research	3	0	3	0.90	0.00	0.33
40.	NLM Technical Journal	2	0	2	0.60	0.00	0.22
41.	Bulletin of Institution of Engineers	1	0	1	0.30	0.00	0.11
42.	Heavy Vehicle Systems	0	1	1	0.00	0.17	0.11
43.	International Journal of Engineering Intelligent Systems for Electrical Engineering and Communication	0	1	1	0.00	0.17	0.11
44.	Journal of the Institution of Engineers (India): Mining Engineering Division	1	0	1	0.30	0.00	0.11
45.	Journal of the Institution of Engineers (India): Textile Engineering Division	1	0	1	0.30	0.00	0.11
46.	Telecommunications (International Edition)	0	1	1	0.00	0.17	0.11
47.	Transactions of the Indian Ceramic Society	1	0	1	0.30	0.00	0.11
<b>Total</b>		<b>335</b>	<b>580</b>	<b>915</b>	<b>100.03</b>	<b>99.97</b>	<b>100.04</b>

Table : 13

**Journals used by Indian Engineers**  
As seen from COMPENDEX database in 1990 & 94

Sl. No.	Journal Name	Pub. Cout.	IF	No. of Papers			Percentage		
				1990	1994	Total	1990	1994	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
<b>Chemical Engineering, Ceramics, Plastics &amp; Polymers</b>									
1.	Journal of Applied Polymer Science	USA	0.87	87	88	175	2.82	2.06	2.38
2.	CEW Chemical Engineering World	IND	0	31	55	86	1.00	1.29	1.17
3.	Journal of Molecular Catalysis	SWZ	1.582	33	21	54	1.07	0.49	0.73
4.	Industrial & Engineering Chemistry Research	USA	1.056	15	26	41	0.49	0.61	0.56
5.	Journal of Chemical and Engineering Data	USA	0.93	18	22	40	0.58	0.52	0.54
6.	JAOCS Journal of the American Oil Chemists' Society	USSR	0.98	22	12	34	0.71	0.28	0.46
7.	European Polymer Journal	USA	0.719	14	19	33	0.45	0.45	0.45
8.	Journal of Macromolecular Science - Pure & Applied Chemistry	USA	0.616	0	30	30	0.00	0.70	0.41
9.	International Journal of Hydrogen Energy	USA	0.326	20	8	28	0.65	0.19	0.38
10.	Journal of Chemical Technology & Biotechnology	UK	0.581	13	15	28	0.42	0.35	0.38
11.	Chemical Engineering Science	USA	0.902	8	15	23	0.26	0.35	0.31
12.	Journal of Polymer Science Part A: Polymer Chemistry	USA	1.299	13	10	23	0.42	0.23	0.31
13.	Polymer	UK	1.36	8	14	22	0.26	0.33	0.30
14.	Applied Catalysis: A General	NETH	1.421	9	11	20	0.29	0.26	0.27
15.	International Journal of Chemical Kinetics	USA	1.298	11	9	20	0.36	0.21	0.27
16.	Journal of Thermal Analysis	HUN	0.441	14	5	19	0.45	0.12	0.26
17.	Chemical Engineering Journal & Biochemical Engineering Journal	SWZ	0.507	9	9	18	0.29	0.21	0.24
18.	Colloids and Surfaces A: Physicochemical & Engineering Aspects	NETH	0.517	10	7	17	0.32	0.16	0.23
19.	Journal of Applied Electrochemistry	UK	0.926	3	14	17	0.10	0.33	0.23
20.	Journal of the Electrochemical Society	USA	1.763	9	7	16	0.29	0.16	0.22
21.	Textile Research Journal	USA	0	16	0	16	0.52	0.00	0.22
22.	Fluid Phase Equilibria	NETH	0.906	7	8	15	0.23	0.19	0.20
23.	Journal of the American Ceramic Society	USA	1.459	7	7	14	0.23	0.16	0.19
24.	American Dyestuff Reporter	USA	0	6	7	13	0.19	0.16	0.18
25.	Polymer-Plastics Technology & Engineering	USA	0.326	2	11	13	0.06	0.26	0.18
26.	Chemistry and Industry (London)	UK	0.423	10	2	12	0.32	0.05	0.16
27.	Reaction Kinetics and Catalysis Letters	HUN	0.277	0	12	12	0.00	0.28	0.16
28.	British Polymer Journal	UK	0	11	0	11	0.36	0.00	0.15
29.	Colloid and Polymer Science	GER	1.02	6	5	11	0.19	0.12	0.15
30.	Corrosion Prevention & Control	UK	0	7	4	11	0.23	0.09	0.15
31.	Journal of Macromolecular Science - Chemistry	USA	0	11	0	11	0.36	0.00	0.15
32.	Polymer Testing	UK	0.433	2	9	11	0.06	0.21	0.15
33.	Canadian Journal of Chemistry	CAN	1.127	6	4	10	0.19	0.09	0.14
34.	Journal of the Institution of Engineers (India): Chemical Engineering Division	IND	0	0	10	10	0.00	0.23	0.14
35.	Separation Science and Technology	USA	0.838	2	8	10	0.06	0.19	0.14
36.	Langmuir	USA	3.232	1	8	9	0.03	0.19	0.12
37.	Polymer Degradation and Stability	UK	0.815	2	7	9	0.06	0.16	0.12
38.	Polymer Engineering and Science	USA	0.858	2	7	9	0.06	0.16	0.12
39.	Sensors and Actuators B: Chemical	SWZ	1.074	0	9	9	0.00	0.21	0.12
40.	Anti-Corrosion Methods and Materials	USA	0	0	8	8	0.00	0.19	0.11
41.	Carbohydrate Polymers	UK	1.381	3	5	8	0.10	0.12	0.11

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
42.	Chemical Engineering & Technology	GER	0	6	2	8	0.19	0.05	0.11
43.	High Performance Polymers	UK	0	0	8	8	0.00	0.19	0.11
44.	Journal of Polymer Engineering	USA	0.265	1	7	8	0.03	0.16	0.11
45.	Reactive Polymers	NETH	0.6	2	6	8	0.06	0.14	0.11
46.	Chemical Engineering Research & Design	USA	0.488	2	5	7	0.06	0.12	0.10
47.	Journal of the Textile Institute	UK	0.184	4	3	7	0.13	0.07	0.10
48.	Organic Geochemistry	USA	1.293	0	7	7	0.00	0.16	0.10
49.	Polymer Bulletin (Berlin)	GER	0.931	6	1	7	0.19	0.02	0.10
50.	Polymer Communications	UK	0	7	0	7	0.23	0.00	0.10
51.	Surface & Coatings Technology	SWZ	0.901	2	5	7	0.06	0.12	0.10
52.	Carbohydrate Research	NETH	1.569	1	5	6	0.03	0.12	0.08
53.	Chemical Age of India	IND	0	6	0	6	0.19	0.00	0.08
54.	Chemical Engineering Communications	UK	0.385	0	6	6	0.00	0.14	0.08
55.	Dyes and Pigments	UK	0	6	0	6	0.19	0.00	0.08
56.	Plastics Rubber and Composites Processing and Applications	UK	0.4	0	6	6	0.00	0.14	0.08
57.	Polymer Journal	JPN	0.905	1	5	6	0.03	0.12	0.08
58.	Solvent Extraction and Ion Exchange	USA	0.869	2	4	6	0.06	0.09	0.08
59.	Ammonia Plant Safety and Related Facilities	USA	0	2	3	5	0.06	0.07	0.07
60.	Desalination	ISREAL	0.318	0	5	5	0.00	0.12	0.07
61.	Electrochimica Acta	USA	1.481	0	5	5	0.00	0.12	0.07
62.	Physics and Chemistry of Glasses	UK	1	3	2	5	0.10	0.05	0.07
63.	Biopolymers	USA	2.313	0	4	4	0.00	0.09	0.05
64.	Carbon	USA	1.619	1	3	4	0.03	0.07	0.05
65.	Forschung im Ingenieurwesen	GER	0.118	3	1	4	0.10	0.02	0.05
66.	Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics	USA	1.348	2	2	4	0.06	0.05	0.05
67.	Journal of Molecular Liquids	NETH	0.524	1	3	4	0.03	0.07	0.05
68.	Journal of Polymer Science Part C: Polymer Letters	USA	0	4	0	4	0.13	0.00	0.05
69.	Journal of Reinforced Plastics & Composites	USA	0.404	0	4	4	0.00	0.09	0.05
70.	Modelling Measurement & Control C: Energetics Chemistry Earth Environmental & Biomedical Problems	SIND	0	1	3	4	0.03	0.07	0.05
71.	Polymers for Advanced Technologies	USA	0	0	4	4	0.00	0.09	0.05
72.	Rubber Chemistry and Technology	USA	1.056	0	4	4	0.00	0.09	0.05
73.	Sensors and Actuators A: Physical	SWZ	0.704	3	1	4	0.10	0.02	0.05
74.	Zeolites	USA	1.829	3	1	4	0.10	0.02	0.05
75.	Chemical Engineering & Processing	SWZ	0	3	0	3	0.10	0.00	0.04
76.	Colloids and Surfaces B: Biointerfaces	NETH	1.407	0	3	3	0.00	0.07	0.04
77.	Corrosion (Houston)	USA	0.467	2	1	3	0.06	0.02	0.04
78.	Hydrocarbon Processing	USA	0.199	2	1	3	0.06	0.02	0.04
79.	Journal of Polymer Science Part B: Polymer Physics	USA	1.35	1	2	3	0.03	0.05	0.04
80.	Journal of the European Ceramic Society	UK	0.76	2	1	3	0.06	0.02	0.04
81.	Progress in Polymer Science (Oxford)	USA	2.74	2	1	3	0.06	0.02	0.04
82.	Adsorption Science and Technology	UK	0	0	2	2	0.00	0.05	0.03
83.	Applied Catalysis: B Environmental	NETH	6.319	0	2	2	0.00	0.05	0.03
84.	Applied Clay Science	NETH	0	0	2	2	0.00	0.05	0.03
85.	British Corrosion Journal	UK	0	0	2	2	0.00	0.05	0.03
86.	Composites	UK	0.821	1	1	2	0.03	0.02	0.03
87.	Drying Technology	USA	0	2	0	2	0.06	0.00	0.03
88.	Glass International	UK	0	0	2	2	0.00	0.05	0.03
89.	Glass Technology	UK	0.188	1	1	2	0.03	0.02	0.03
90.	Heat Transfer Engineering	USA	0	0	2	2	0.00	0.05	0.03
91.	International Journal of Polymeric Materials	UK	0.16	0	2	2	0.00	0.05	0.03
92.	Journal of Adhesion Science & Technology	NETH	0.971	0	2	2	0.00	0.05	0.03
93.	Journal of Dispersion Science & Technology	USA	0.573	0	2	2	0.00	0.05	0.03
94.	Journal of Geochemical Exploration	NETH	0.488	1	1	2	0.03	0.02	0.03
95.	Journal of the Society of Leather Technologies & Chemists	UK	0.22	0	2	2	0.00	0.05	0.03
96.	Lubrication Engineering	USA	0.269	0	2	2	0.00	0.05	0.03

(Cont...)



	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
97.	Polymers & Polymer Composites	UK	0	0	2	2	0.00	0.05	0.03
98.	Progress in Organic Coatings	SWZ	0.407	1	1	2	0.03	0.02	0.03
99.	Progress in Rubber and Plastics Technology	UK	0	0	2	2	0.00	0.05	0.03
100.	Textile Month	UK	0	0	2	2	0.00	0.05	0.03
101.	Advances in Gas-Liquid Flows	USA	0	1	0	1	0.03	0.00	0.01
102.	American Ceramic Society Bulletin	USA	0.389	0	1	1	0.00	0.02	0.01
103.	American Laboratory	USA	0.664	0	1	1	0.00	0.02	0.01
104.	Chemical Engineering Progress	USA	0	1	0	1	0.03	0.00	0.01
105.	Chinese Journal of Polymer Science	NETH	0	0	1	1	0.00	0.02	0.01
106.	Clays and Clay Minerals	USA	0	1	0	1	0.03	0.00	0.01
107.	Colliery Guardian	UK	0	0	1	1	0.00	0.02	0.01
108.	InterCeram: International Ceramic Review	USA	0	0	1	1	0.00	0.02	0.01
109.	International Journal of Plasticity	UK	0.862	0	1	1	0.00	0.02	0.01
110.	Iranian Journal of Polymer Science and Technology (English Edition)	IRAN	0	0	1	1	0.00	0.02	0.01
111.	Journal of Applied Crystallography	DEN	1.951	0	1	1	0.00	0.02	0.01
112.	Journal of Chemical Engineering of Japan	JPN	0	1	0	1	0.03	0.00	0.01
113.	Journal of Chromatographic Science	USA	2.315	0	1	1	0.00	0.02	0.01
114.	Journal of Electrostatics	NETH	0.184	0	1	1	0.00	0.02	0.01
115.	Journal of the Institution of Engineers (India): Textile Engineering Division	IND	0	1	0	1	0.03	0.00	0.01
116.	Polymer Composites	USA	0.719	0	1	1	0.00	0.02	0.01
117.	Polymer Reaction Engineering	USA	0	0	1	1	0.00	0.02	0.01
118.	Reviews in Chemical Engineering	NETH	0	1	0	1	0.03	0.00	0.01
119.	Springer Series in Chemical Physics	USA	2.051	0	1	1	0.00	0.02	0.01
120.	Transactions of the Indian Ceramic Society	IND	0	1	0	1	0.03	0.00	0.01
121.	Werkstoffe and Korrosion	GER	0	1	0	1	0.03	0.00	0.01

### Applied Physics ( High Energy, Plasma, Nuclear and Solid State )

122.	Solid State Communications	USA	1.446	68	54	122	2.20	1.27	1.66
123.	Pramana - Journal of Physics	IND	0.345	0	117	117	0.00	2.74	1.59
124.	Physica C: Superconductivity	NETH	3.258	24	72	96	0.78	1.69	1.31
125.	Physica Status Solidi (A) Applied Research	GER	0.596	31	41	72	1.00	0.96	0.98
126.	Journal of Physics D: Applied Physics	UK	0.879	36	25	61	1.17	0.59	0.83
127.	Thin Solid Films	NETH	1.409	26	35	61	0.84	0.82	0.83
128.	Materials Letters	NETH	0.66	26	22	48	0.84	0.52	0.65
129.	Journal of Physics Condensed Matter	UK	0	0	47	47	0.00	1.10	0.64
130.	Materials Research Bulletin	USA	0.953	27	13	40	0.87	0.30	0.54
131.	Applied Radiation and Isotopes	USA	0.534	17	19	36	0.55	0.45	0.49
132.	Journal of Magnetism & Magnetic Materials	NETH	1.063	13	20	33	0.42	0.47	0.45
133.	Japanese Journal of Applied Physics Part 1	JPN	1.096	15	16	31	0.49	0.38	0.42
134.	Journal of Crystal Growth	NETH	1.561	11	19	30	0.36	0.45	0.41
135.	Journal of Non-Crystalline Solids	NETH	1.072	20	10	30	0.65	0.23	0.41
136.	Solid State Ionics	NETH	1.089	18	12	30	0.58	0.28	0.41
137.	Radiation Physics and Chemistry	USA	0.395	11	18	29	0.36	0.42	0.39
138.	Annals of Nuclear Energy	USA	0.348	11	16	27	0.36	0.38	0.37
139.	Polymer International	SING	0.778	0	26	26	0.00	0.61	0.35
140.	Journal of Nuclear Materials	NETH	1.264	11	14	25	0.36	0.33	0.34
141.	Fusion Technology	USA	0.683	18	2	20	0.58	0.05	0.27
142.	Journal of Physics and Chemistry of Solids	USA	1.35	11	8	19	0.36	0.19	0.26
143.	Bulk Solids Handling	GER	0	9	9	18	0.29	0.21	0.24
144.	Modelling Measurement & Control A: General Physics	SIND	0	7	11	18	0.23	0.26	0.24
145.	Macromolecules	USA	3.016	4	13	17	0.13	0.30	0.23
146.	Journal of Colloid and Interface Science	USA	1.62	7	9	16	0.23	0.21	0.22
147.	IEEE Transactions on Plasma Science	USA	0.969	7	8	15	0.23	0.19	0.20
148.	Nuclear Tracks and Radiation Measurements	USA	0	14	0	14	0.45	0.00	0.19
149.	Ceramics International	UK	0.363	5	8	13	0.16	0.19	0.18

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
150.	Superconductor Science & Technology	UK	1.53	0	12	12	0.00	0.28	0.16
151.	Heat Recovery Systems & CHP	USA	0.658	2	9	11	0.06	0.21	0.15
152.	Cryogenics	UK	0.818	7	3	10	0.23	0.07	0.14
153.	Nuclear Technology	USA	0.402	7	2	9	0.23	0.05	0.12
154.	Infrared Physics & Technology	USA	0.483	0	8	8	0.00	0.19	0.11
155.	Nuclear Geophysics	UK	0.194	2	6	8	0.06	0.14	0.11
156.	Radiation Effects and Defects in Solids	USA	0	0	8	8	0.00	0.19	0.11
157.	Journal of Elastomers and Plastics	USA	0.15	0	7	7	0.00	0.16	0.10
158.	Propellants Explosives Pyrotechnics	GER	0	4	3	7	0.13	0.07	0.10
159.	Applied Physics Letters	USA	3.072	0	6	6	0.00	0.14	0.08
160.	Journal of Applied Physics	USA	1.658	0	6	6	0.00	0.14	0.08
161.	Applied Physics: A Solids and Surfaces	USA	1.578	3	2	5	0.10	0.05	0.07
162.	Applied Physics: B Photophysics and Laser Chemistry	USA	1.765	4	1	5	0.13	0.02	0.07
163.	Radiation Measurements	USA	0	0	5	5	0.00	0.12	0.07
164.	Journal of Macromolecular Science - Physics	USA	0.768	2	2	4	0.06	0.05	0.05
165.	Physical Review Letters	USA	6.626	0	4	4	0.00	0.09	0.05
166.	Physics of Plasmas	USA	0	0	4	4	0.00	0.09	0.05
167.	Applied Superconductivity	UK	0.929	0	3	3	0.00	0.07	0.04
168.	Nuclear Engineering and Design	SWZ	0.111	0	3	3	0.00	0.07	0.04
169.	Nuclear Instruments & Methods in Physics Research Section A:	NETH	0	3	0	3	0.10	0.00	0.04
170.	Powder Technology	SWZ	0.529	1	2	3	0.03	0.05	0.04
171.	Canadian Journal of Physics	CAN	0.408	1	1	2	0.03	0.02	0.03
172.	IEEE Transactions on Nuclear Science	USA	1.183	1	1	2	0.03	0.02	0.03
173.	Indian Journal of Pure & Applied Physics	USA	0	2	0	2	0.06	0.00	0.03
174.	Journal of Fluids Engineering	USA	0.383	0	2	2	0.00	0.05	0.03
175.	Journal of Nuclear Science and Technology	JPN	0.446	1	1	2	0.03	0.02	0.03
176.	Journal of Physical Chemistry	USA	3.242	0	2	2	0.00	0.05	0.03
177.	Journal of Plasma Physics	UK	0.615	0	2	2	0.00	0.05	0.03
178.	Journal of Quantitative Spectroscopy and Radiative Transfer	USA	1.6	0	2	2	0.00	0.05	0.03
179.	Journal of Superconductivity	USA	1.36	1	1	2	0.03	0.02	0.03
180.	Koks i Khimiya/Coal and Chemistry	USSR	0	0	2	2	0.00	0.05	0.03
181.	Nuclear Engineering International	UK	0.084	0	2	2	0.00	0.05	0.03
182.	Nuclear Safety	USA	0.104	1	1	2	0.03	0.02	0.03
183.	Powder Engineering	AUS	0	2	0	2	0.06	0.00	0.03
184.	Acta Polytechnica Scandinavica.- Applied Physics Series	FIN	0	1	0	1	0.03	0.00	0.01
185.	IEEE Journal of Solid-State Circuits	USA	0	1	0	1	0.03	0.00	0.01
186.	International Journal of Applied Engineering Education	USA	0	1	0	1	0.03	0.00	0.01
187.	International Journal of Refrigeration	UK	0.687	0	1	1	0.00	0.02	0.01
188.	Journal of Analytical and Applied Pyrolysis	NETH	0.771	0	1	1	0.00	0.02	0.01
189.	Journal of Liquid Chromatography	USA	1.432	0	1	1	0.00	0.02	0.01
190.	Journal of Molecular Spectroscopy	USA	1.551	0	1	1	0.00	0.02	0.01
191.	Journal of Rheology	USA	2.315	0	1	1	0.00	0.02	0.01
192.	Lecture Notes in Physics	USA	0	0	1	1	0.00	0.02	0.01
193.	Metal Powder Report	UK	0	0	1	1	0.00	0.02	0.01
194.	Mine and Quarry	UK	0	0	1	1	0.00	0.02	0.01
195.	Plasma Chemistry and Plasma Processing	USA	1.38	0	1	1	0.00	0.02	0.01
196.	Plasma Physics and Controlled Fusion	USA	2.056	0	1	1	0.00	0.02	0.01
197.	Progress in Crystal Growth and Characterization of Materials	USA	0.688	0	1	1	0.00	0.02	0.01
198.	Progress in Nuclear Energy	USA	0	1	0	1	0.03	0.00	0.01
199.	Solid State Nuclear Magnetic Resonance	USA	0	0	1	1	0.00	0.02	0.01
200.	Spectrochimica Acta Part B: Atomic Spectroscopy	USA	0.76	0	1	1	0.00	0.02	0.01

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<b>Mining and Metallurgical Engineering, Material Science</b>									
201.	Journal of Mines Metals & Fuels	IND	0	39	31	70	1.26	0.73	0.95
202.	Scripta Metallurgica et Materialia	USA	0.912	22	23	45	0.71	0.54	0.61
203.	Journal of Materials Processing Technology	SWZ	0.23	13	20	33	0.42	0.47	0.45
204.	Materials Science & Engineering B: Solid-State Materials for Advanced Technology	SWZ	0.898	5	23	28	0.16	0.54	0.38
205.	Materials Science & Engineering A: Structural Materials: Properties Microstructure & Processing	SWZ	0.986	11	16	27	0.36	0.38	0.37
206.	Journal of Alloys and Compounds	NETH	0.961	3	22	25	0.10	0.52	0.34
207.	Key Engineering Materials	SWZ	0	18	6	24	0.58	0.14	0.33
208.	ISIJ International	JPN	0	7	13	20	0.23	0.30	0.27
209.	International Journal of Coal Geology	NETH	0.471	10	9	19	0.32	0.21	0.26
210.	Journal of Materials Research	USA	2	3	16	19	0.10	0.38	0.26
211.	Physica B: Condensed Matter	NETH	1.144	3	16	19	0.10	0.38	0.26
212.	Hydrometallurgy	NETH	0.59	11	7	18	0.36	0.16	0.24
213.	Journal of the Less Common Metals	UK	0	17	0	17	0.55	0.00	0.23
214.	International Journal of Mineral Processing	NETH	0.394	11	3	14	0.36	0.07	0.19
215.	International Journal of Surface Mining & Reclamation	USA	0	5	8	13	0.16	0.19	0.18
216.	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science	USA	0	0	13	13	0.00	0.30	0.18
217.	Transactions of Powder Metallurgy Association of India	IND	0	13	0	13	0.42	0.00	0.18
218.	Zeitschrift fuer Metallkunde	GER	0	8	5	13	0.26	0.12	0.18
219.	Physics and Chemistry of Liquids	UK	0.536	0	12	12	0.00	0.28	0.16
220.	Praktische Metallographie/Practical Metallography	GER	0	8	4	12	0.26	0.09	0.16
221.	Corrosion Science	USA	0.556	7	4	11	0.23	0.09	0.15
222.	Metal Finishing	USA	0	3	8	11	0.10	0.19	0.15
223.	Minerals Engineering	USA	0.381	10	1	11	0.32	0.02	0.15
224.	Applied Surface Science	NETH	1.144	3	7	10	0.10	0.16	0.14
225.	British Journal of Non-Destructive Testing	UK	0.147	8	2	10	0.26	0.05	0.14
226.	International Journal of Rock Mechanics & Mining Sciences & Geomechanics Abstracts	USA	0.173	0	10	10	0.00	0.23	0.14
227.	Journal of Alloy Phase Diagrams	IND	0	10	0	10	0.32	0.00	0.14
228.	Steel Research	GER	0.551	2	8	10	0.06	0.19	0.14
229.	Acta Metallurgica et Materialia	USA	2.03	8	1	9	0.26	0.02	0.12
230.	Ironmaking and Steelmaking	UK	0.438	4	5	9	0.13	0.12	0.12
231.	Metallurgical Transactions B: Process Metallurgy	USA	1.059	8	1	9	0.26	0.02	0.12
232.	Minerals & Metallurgical Processing	USA	0	3	6	9	0.10	0.14	0.12
233.	Engineering Geology	NETH	0.213	3	5	8	0.10	0.12	0.11
234.	High Temperature Materials and Processes	UK	0	8	0	8	0.26	0.00	0.11
235.	Materials Transactions JIM	JPN	0.752	3	5	8	0.10	0.12	0.11
236.	Materials Science Forum	SWZ	0	0	7	7	0.00	0.16	0.10
237.	Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Sciences	USA	0	0	7	7	0.00	0.16	0.10
238.	Mining Science and Technology	NETH	0	7	0	7	0.23	0.00	0.10
239.	Powder Metallurgy	UK	0	7	0	7	0.23	0.00	0.10
240.	Synthetic Metals	SWZ	1.283	2	5	7	0.06	0.12	0.10
241.	Transactions of the Institution of Mining & Metallurgy Section C: Mineral Processing and Extractive M	UK	0.298	1	6	7	0.03	0.14	0.10
242.	Journal of Materials Engineering & Performance	USA	0.15	0	6	6	0.00	0.14	0.08
243.	Scandinavian Journal of Metallurgy	DEN	0.122	1	5	6	0.03	0.12	0.08
244.	Geophysics	USA	0.824	1	4	5	0.03	0.09	0.07

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
245.	Journal of Materials Science: Materials in Electronics	UK	0.443	0	5	5	0.00	0.12	0.07
246.	British Ceramic Transactions	UK	0.17	2	2	4	0.06	0.05	0.05
247.	Canadian Metallurgical Quarterly	CAN	0.354	2	2	4	0.06	0.05	0.05
248.	Coal International (Redhill England)	UK	0	0	4	4	0.00	0.09	0.05
249.	Journal of Engineering Materials & Technology	USA	0.39	1	3	4	0.03	0.07	0.05
250.	Journal of the Institution of Engineers (India): Metallurgy and Material Science Division	IND	0	4	0	4	0.13	0.00	0.05
251.	Materials Characterization	USA	0.366	1	3	4	0.03	0.07	0.05
252.	Mineral Processing and Extractive Metallurgy Review	UK	0	0	4	4	0.00	0.09	0.05
253.	Oxidation of Metals	USA	1.55	1	3	4	0.03	0.07	0.05
254.	Canadian Geotechnical Journal	CAN	0.24	1	2	3	0.03	0.05	0.04
255.	Experiments in Fluids	GER	0	3	0	3	0.10	0.00	0.04
256.	International Journal of Materials & Product Technology	SWZ	0	1	2	3	0.03	0.05	0.04
257.	Materials and Manufacturing Processes	UK	0	1	2	3	0.03	0.05	0.04
258.	Materials Forum	USA	0.291	1	2	3	0.03	0.05	0.04
259.	Mining Engineering	USA	0	0	3	3	0.00	0.07	0.04
260.	Powder Handling & Processing	GER	0	0	3	3	0.00	0.07	0.04
261.	Geophysical Research Letters	USA	2.145	0	2	2	0.00	0.05	0.03
262.	International Journal for the Joining of Materials	DEN	0	0	2	2	0.00	0.05	0.03
263.	International Journal of Powder Metallurgy	USA	0	2	0	2	0.06	0.00	0.03
264.	International Journal of Rapid Solidification	UK	0	2	0	2	0.06	0.00	0.03
265.	Journal of Applied Geophysics	USA	0.2	0	2	2	0.00	0.05	0.03
266.	Journal of Constructional Steel Research	UK	0.262	0	2	2	0.00	0.05	0.03
267.	Journal of Materials Science and Technology	CHI	0.044	0	2	2	0.00	0.05	0.03
268.	Journal of Materials Science: Materials in Medicine	UK	1.102	1	1	2	0.03	0.02	0.03
269.	Marine Mining	USA	0	2	0	2	0.06	0.00	0.03
270.	Materials & Design	UK	0	1	1	2	0.03	0.02	0.03
271.	Mining Technology	UK	0	0	2	2	0.00	0.05	0.03
272.	Ore Geology Reviews	NETH	0	2	0	2	0.06	0.00	0.03
273.	Peat and Coal: Origin Facies & Coalification International Journal of Coal Geology	USA	0	2	0	2	0.06	0.00	0.03
274.	Steel Times	UK	0	0	2	2	0.00	0.05	0.03
275.	Advanced Powder Technology	NETH	0	0	1	1	0.00	0.02	0.01
276.	Australian Mining	AUS	0	0	1	1	0.00	0.02	0.01
277.	Coal Preparation	USA	0	0	1	1	0.00	0.02	0.01
278.	Diamond and Related Materials	SWZ	2.017	0	1	1	0.00	0.02	0.01
279.	Engineering and Mining Journal	USA	0.052	0	1	1	0.00	0.02	0.01
280.	Glueckauf: Zeitschrift fuer Technik und Wirtschaft des Bergbaus	GER	0	0	1	1	0.00	0.02	0.01
281.	International Journal of Refractory Metals and Hard Materials	UK	0	0	1	1	0.00	0.02	0.01
282.	Iron Age New Steel	USA	0	0	1	1	0.00	0.02	0.01
283.	Journal of Materials Synthesis & Processing	USA	0	0	1	1	0.00	0.02	0.01
284.	Journal of Non-Newtonian Fluid Mechanics	NETH	1.535	0	1	1	0.00	0.02	0.01
285.	Journal of the Institution of Engineers (India): Mining Engineering Division	IND	0	1	0	1	0.03	0.00	0.01
286.	Materials at High Temperatures	UK	0.203	0	1	1	0.00	0.02	0.01
287.	Materials Performance	USA	0	1	0	1	0.03	0.00	0.01
288.	Metals Forum	AUS	0	1	0	1	0.03	0.00	0.01
289.	Pit & Quarry	USA	0	0	1	1	0.00	0.02	0.01
290.	SEAIISI Quarterly	PHI	0	0	1	1	0.00	0.02	0.01
291.	Surveys in Geophysics	NETH	0	0	1	1	0.00	0.02	0.01
292.	Transactions of the Institution of Mining & Metallurgy Section B: Applied Earth Science	UK	0.205	0	1	1	0.00	0.02	0.01
293.	Transactions of the Institution of Mining & Metallurgy Section A: Mining Industry	UK	0.074	0	1	1	0.00	0.02	0.01

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
294.	Transactions of the Japan Institute of Metals	JPN	0	1	0	1	0.03	0.00	0.01
295.	Xiyou Jinshu/Rare Metals	CHI	0	0	1	1	0.00	0.02	0.01
<b>Electronics, Computers and Communications</b>									
296.	Microelectronics and Reliability	USA	0.152	41	68	109	1.33	1.60	1.48
297.	Computers and Structures	USA	0.265	45	54	99	1.46	1.27	1.35
298.	IETE Technical Review	IND	0	10	37	47	0.32	0.87	0.64
299.	<i>Journal of the Institution of Electronics and Telecommunication Engineers</i>	IND	0	1	39	40	0.03	0.91	0.54
300.	Electronics Letters	UK	1.159	20	11	31	0.65	0.26	0.42
301.	Enzyme and Microbial Technology	UK	1.784	10	11	21	0.32	0.26	0.29
302.	Computers & Geosciences	USA	0.514	8	9	17	0.26	0.21	0.23
303.	IEEE Transactions on Electron Devices	USA	1.63	8	9	17	0.26	0.21	0.23
304.	Microprocessing and Microprogramming	NETH	0.049	7	10	17	0.23	0.23	0.23
305.	Solid-State Electronics	USA	0.759	8	9	17	0.26	0.21	0.23
306.	International Journal of Electronics	UK	0.258	12	4	16	0.39	0.09	0.22
307.	Signal Processing	NETH	0.44	6	9	15	0.19	0.21	0.20
308.	IEEE Transactions on Systems Man and Cybernetics	USA	0.694	3	11	14	0.10	0.26	0.19
309.	IFIP Transactions A: Computer Science and Technology	SWZ	0	0	11	11	0.00	0.26	0.15
310.	International Journal of Systems Science	UK	0.146	10	1	11	0.32	0.02	0.15
311.	Radio Science	USA	0.753	6	5	11	0.19	0.12	0.15
312.	IEEE Transactions on Computers	USA	0.904	4	6	10	0.13	0.14	0.14
313.	IEEE Transactions on Signal Processing	USA	1.234	0	10	10	0.00	0.23	0.14
314.	Pattern Recognition	USA	0.681	6	4	10	0.19	0.09	0.14
315.	Advances in Modelling & Analysis C: systems Analysis Control & Design	SIND	0	0	9	9	0.00	0.21	0.12
316.	Mathematical and Computer Modelling	UK	0	9	0	9	0.29	0.00	0.12
317.	Microelectronics Journal	UK	0	5	3	8	0.16	0.07	0.11
318.	Computer Languages	USA	0.231	3	4	7	0.10	0.09	0.10
319.	Computers & Electrical Engineering	USA	0.133	3	4	7	0.10	0.09	0.10
320.	IEEE Transactions on Energy Conversion	USA	0.243	5	2	7	0.16	0.05	0.10
321.	IEEE Transactions on Industrial Electronics	USA	0.471	4	3	7	0.13	0.07	0.10
322.	Journal of the Institution of Engineers (India): Electronics & Telecommunication Engineering Journal	IND	0	0	7	7	0.00	0.16	0.10
323.	Microprocessors and Microsystems	UK	0.149	3	4	7	0.10	0.09	0.10
324.	Computers in Industry	NETH	0	6	0	6	0.19	0.00	0.08
325.	<i>Finite Elements in Analysis and Design</i>	NETH	0	4	2	6	0.13	0.05	0.08
326.	Philosophical Magazine B: Physics of Condensed Matter -Electronic- Optical and Magnetic Properties	UK	0	6	0	6	0.19	0.00	0.08
327.	Computer Methods & Programs in Biomedicine	NETH	0.4	2	3	5	0.06	0.07	0.07
328.	Computers & Operations Research	USA	0.359	1	4	5	0.03	0.09	0.07
329.	<i>International Journal of Optoelectronics</i>	UK	0	0	5	5	0.00	0.12	0.07
330.	Journal of Chemical Information and Computer Sciences	USA	1.803	0	5	5	0.00	0.12	0.07
331.	Microporous Materials	USA	1.429	0	5	5	0.00	0.12	0.07
332.	Biosensors & Bioelectronics	UK	1.858	0	4	4	0.00	0.09	0.05
333.	Communications in Numerical Methods in Engineering	UK	0.367	0	4	4	0.00	0.09	0.05
334.	<i>Computer Communications</i>	UK	0.352	1	3	4	0.03	0.07	0.05
335.	Computers & Industrial Engineering	USA	0.057	0	4	4	0.00	0.09	0.05
336.	IEEE Transactions on Neural Networks	USA	1.941	0	4	4	0.00	0.09	0.05
337.	IEEE Transactions on Robotics & Automation	USA	1.006	2	2	4	0.06	0.05	0.05

(Cont.....)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
338.	International Journal of Computer Mathematics	UK	0.126	0	4	4	0.00	0.09	0.05
339.	Microelectronic Engineering	NETH	0.414	3	1	4	0.10	0.02	0.05
340.	Optical and Quantum Electronics	UK	1.303	1	3	4	0.03	0.07	0.05
341.	Computer Networks and ISDN Systems	NETH	0.479	0	3	3	0.00	0.07	0.04
342.	Computers & Mathematics with Applications	UK	0	3	0	3	0.10	0.00	0.04
343.	IEEE Design and Test of Computers	USA	0	3	0	3	0.10	0.00	0.04
344.	IEEE Journal of Quantum Electronics	USA	2.595	2	1	3	0.06	0.02	0.04
345.	IEEE Transactions on Communications	USA	0.969	2	1	3	0.06	0.02	0.04
346.	Journal of Electronic Materials	USA	1.238	0	3	3	0.00	0.07	0.04
347.	Microwaves & RF	USA	0.038	1	2	3	0.03	0.05	0.04
348.	SIAM Journal on Computing	USA	0.727	0	3	3	0.00	0.07	0.04
349.	Annales des Telecommunications/ Annals of Telecommunications	FRN	0.155	1	1	2	0.03	0.02	0.03
350.	Applications of Artificial Intelligence in Engineering	UK	0	0	2	2	0.00	0.05	0.03
351.	Artificial Intelligence	NETH	1.915	0	2	2	0.00	0.05	0.03
352.	Communications in Applied Numerical Methods	UK	0	2	0	2	0.06	0.00	0.03
353.	Computer Aided Design	UK	0	2	0	2	0.06	0.00	0.03
354.	Computerized Medical Imaging & Graphics	USA	0.536	1	1	2	0.03	0.02	0.03
355.	CVGIP: Graphical Models & Image Processing	USA	0.506	0	2	2	0.00	0.05	0.03
356.	Hewlett Packard Journal	USA	0	2	0	2	0.06	0.00	0.03
357.	IEEE Transactions on Broadcasting	USA	0.194	1	1	2	0.03	0.02	0.03
358.	IEEE Transactions on Computers - Aided Design of Integrated Circuits and Systems	USA	0.532	1	1	2	0.03	0.02	0.03
359.	IEEE Transactions on Pattern Analysis and Machine Intelligence	USA	2.006	0	2	2	0.00	0.05	0.03
360.	IFIP Transactions C: Communication Systems	SWZ	0.01	0	2	2	0.00	0.05	0.03
361.	Integration the VLSI Journal	NETH	0	1	1	2	0.03	0.02	0.03
362.	Journal of Computational and Applied Mathematics	NETH	0.349	1	1	2	0.03	0.02	0.03
363.	Journal of Electron Spectroscopy and Related Phenomena	NETH	1.274	0	2	2	0.00	0.05	0.03
364.	Neural Networks for Signal Processing	USA	0	0	2	2	0.00	0.05	0.03
365.	Operating Systems Review	USA	0	2	0	2	0.06	0.00	0.03
366.	Parallel Computing	NETH	0.42	1	1	2	0.03	0.02	0.03
367.	Visual Computer	USA	0	0	2	2	0.00	0.05	0.03
368.	ACM Transactions on Programming Languages & Systems	USA	1.152	0	1	1	0.00	0.02	0.01
369.	Advances in Engineering Software	USA	0	1	0	1	0.03	0.00	0.01
370.	Advancing Microelectronics	UK	0	0	1	1	0.00	0.02	0.01
371.	Applicable Algebra in Engineering Communications and Computing	DEU	0	0	1	1	0.00	0.02	0.01
372.	Applied Intelligence	USA	0	0	1	1	0.00	0.02	0.01
373.	Biological Cybernetics	USA	1.189	0	1	1	0.00	0.02	0.01
374.	Calphad: Computer Coupling of Phase Diagrams and Thermochemistry	UK	0.609	0	1	1	0.00	0.02	0.01
375.	Commutation & Transmission	FRN	0	0	1	1	0.00	0.02	0.01
376.	Computer	USA	0	0	1	1	0.00	0.02	0.01
377.	Computer Aided Geometric Desing	NETH	0	1	0	1	0.03	0.00	0.01
378.	Computer Journal	UK	0	1	0	1	0.03	0.00	0.01
379.	Computers & Fluids	USA	0.442	0	1	1	0.00	0.02	0.01
380.	Cybernetics and Systems	USA	0.507	0	1	1	0.00	0.02	0.01
381.	Data & Knowledge Engineering	NETH	0	0	1	1	0.00	0.02	0.01
382.	eb - Elektrische Bahnen	GER	0	0	1	1	0.00	0.02	0.01
383.	Elektrosvyaz	USSR	0	0	1	1	0.00	0.02	0.01
384.	Future Generations Computer Systems	NETH	0	1	0	1	0.03	0.00	0.01
385.	IEEE Communications Magazine	USA	0	1	0	1	0.03	0.00	0.01
386.	IEEE Expert	USA	0.629	0	1	1	0.00	0.02	0.01

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
387.	IEEE Journal of Selected Areas in Communications	USA	0	1	0	1	0.03	0.00	0.01
388.	IEEE Review	USA	0	1	0	1	0.03	0.00	0.01
389.	IEEE Software	USA	0	1	0	1	0.03	0.00	0.01
390.	IEEE Transactions on Consumer Electronics	USA	0	1	0	1	0.03	0.00	0.01
391.	IEEE Transactions on Electromagnetic Compatibility	USA	0	1	0	1	0.03	0.00	0.01
392.	IEEE WESCANEX Communications Power and Computing	USA	0	0	1	1	0.00	0.02	0.01
393.	International Journal of Applied Electromagnetics in Materials	USA	0	0	1	1	0.00	0.02	0.01
394.	International Journal of Engineering Intelligent Systems for Electrical Engineering and Communicatio	SIND	0	0	1	1	0.00	0.02	0.01
395.	International Journal of Network Management	USA	0	0	1	1	0.00	0.02	0.01
396.	Journal of Electronic Testing: Theory and Applications	USA	0	0	1	1	0.00	0.02	0.01
397.	Journal of Microcomputer Applications	UK	0	1	0	1	0.03	0.00	0.01
398.	Journal of Molecular Graphics	USA	2.742	0	1	1	0.00	0.02	0.01
399.	Journal of Parallel & Distributed Computing	USA	0	1	0	1	0.03	0.00	0.01
400.	Microcomputers in Civil Engineering	USA	0	1	0	1	0.03	0.00	0.01
401.	Neural Network World	NETH	0	0	1	1	0.00	0.02	0.01
402.	Neural Networks	USA	1.939	0	1	1	0.00	0.02	0.01
403.	Neurocomputing	USA	3.139	0	1	1	0.00	0.02	0.01
404.	Parallel Processing Letters	UK	0	0	1	1	0.00	0.02	0.01
405.	Progress in Quantum Electronics	USA	0	1	0	1	0.03	0.00	0.01
406.	Robotics and Autonomous Systems	USA	0	0	1	1	0.00	0.02	0.01
407.	Software Practice and Experience	UK	0	1	0	1	0.03	0.00	0.01
408.	Telecommunications (Americas Edition)	USA	0	0	1	1	0.00	0.02	0.01
409.	Telecommunications (International Edition)	IND	0	0	1	1	0.00	0.02	0.01
410.	Telecommunications Policy	UK	0.381	0	1	1	0.00	0.02	0.01
411.	Theoretical Computer Science	NETH	0	1	0	1	0.03	0.00	0.01
412.									

### Electrical, Instrumentation, Control Engineering and Power Engineering

413.	Journal of Power Sources	SWZ	0.689	15	23	38	0.49	0.54	0.52
414.	Electric Machines and Power Systems	USA	0.049	11	15	26	0.36	0.35	0.35
415.	Ferroelectrics	UK	0	0	25	25	0.00	0.59	0.34
416.	Semiconductor Science and Technology	UK	1.389	6	11	17	0.19	0.26	0.23
417.	IEEE Transactions on Circuits and Systems I: Fundamental Theory and Applications	USA	0.732	8	4	12	0.26	0.09	0.16
418.	IEEE Transactions on Instrumentation & Measurement	USA	0.402	5	5	10	0.16	0.12	0.14
419.	Journal of Guidance Control and Dynamics	USA	0.407	4	5	9	0.13	0.12	0.12
420.	Journal of the Institution of Engineers (India): Electrical Engineering	IND	0	3	6	9	0.10	0.14	0.12
421.	IEEE Transactions on Power Systems	USA	0.577	1	7	8	0.03	0.16	0.11
422.	IEEE Transactions on Reliability	USA	0.45	1	7	8	0.03	0.16	0.11
423.	Electric Power Systems Research	SWZ	0.044	2	5	7	0.06	0.12	0.10
424.	IEEE Transactions on Power Delivery	USA	0.346	1	6	7	0.03	0.14	0.10
425.	High Temperature - High pressures	UK	0	6	0	6	0.19	0.00	0.08
426.	IEEE Transactions on Magnetics	USA	0.758	1	5	6	0.03	0.12	0.08
427.	International Journal of Electrical Power & Energy System	UK	0.093	0	6	6	0.00	0.14	0.08
428.	ASHRAE Transactions	USA	0.048	4	1	5	0.13	0.02	0.07
429.	Electric Power & Energy Systems	UK	0	5	0	5	0.16	0.00	0.07
430.	Electricity Conservation Quarterly	IND	0	0	4	4	0.00	0.09	0.05

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
431.	IEEE Transactions on Dielectrics & Electrical Insulation	USA	0	0	4	4	0.00	0.09	0.05
432.	IEEE Transactions on Parallel and Distributed Systems	USA	0.905	0	4	4	0.00	0.09	0.05
433.	International Journal of Circuit Theory and Applications	UK	0.627	2	1	3	0.06	0.02	0.04
434.	International Journal of Electrical Engineering Education	UK	0.014	2	1	3	0.06	0.02	0.04
435.	IEEE Control Systems Magazine	USA	0	0	2	2	0.00	0.05	0.03
436.	IEEE Transactions on Power Electronics	USA	0	2	0	2	0.06	0.00	0.03
437.	IEEE Transactions on Automatic Control	USA	0.867	0	2	2	0.00	0.05	0.03
438.	IEEE Transactions on Electrical Insulation	USA	0	2	0	2	0.06	0.00	0.03
439.	Power Engineering Journal	UK	0.028	1	1	2	0.03	0.02	0.03
440.	SIAM Journal on Control and Optimization	USA	0.968	0	2	2	0.00	0.05	0.03
441.	Analytical Instrumentation	USA	0	1	0	1	0.03	0.00	0.01
442.	Circuits.- Systems and Signal Processing	USA	0	1	0	1	0.03	0.00	0.01
443.	Computing & Control Engineering Journal	USA	0	0	1	1	0.00	0.02	0.01
444.	Control Engineering Practice	UK	0.016	0	1	1	0.00	0.02	0.01
445.	GEC Review	UK	0	0	1	1	0.00	0.02	0.01
446.	IEEE Spectrum	USA	0.623	0	1	1	0.00	0.02	0.01
447.	IEEE Transactions on Control Systems Technology	USA	0	0	1	1	0.00	0.02	0.01
448.	IEEE Transactions on Semiconductor Manufacturing	USA	0	1	0	1	0.03	0.00	0.01
449.	International Journal of Control	UK	0	1	0	1	0.03	0.00	0.01
450.	Optimal Control Applications & Methods	UK	0	1	0	1	0.03	0.00	0.01
451.	Printed Circuit Fabrication	USA	0	1	0	1	0.03	0.00	0.01
452.	Process and Control Engineering	AUS	0	0	1	1	0.00	0.02	0.01

### Civil and Structural Engineering

453.	Building and Environment	USA	0.34	19	4	23	0.62	0.09	0.31
454.	Journal of Structural Engineering	IND	0.447	13	8	21	0.42	0.19	0.29
455.	Journal of the Institution of Engineers (India): Civil Engineering Division	IND	0	13	8	21	0.42	0.19	0.29
456.	Indian Concrete Journal	IND	0	7	9	16	0.23	0.21	0.22
457.	Cement and Concrete Research	USA	0.716	4	7	11	0.13	0.16	0.15
458.	Energy and Buildings	USA	0.187	7	2	9	0.23	0.05	0.12
459.	International Water Power & Dam Construction	UK	0	6	3	9	0.19	0.07	0.12
460.	Journal of Ferrocement	THI	0	1	8	9	0.03	0.19	0.12
461.	Journal of Geotechnical Engineering	USA	0.465	5	3	8	0.16	0.07	0.11
462.	Building Research and Information	UK	0	2	4	6	0.06	0.09	0.08
463.	Journal of Structural Geology	USA	1.537	3	3	6	0.10	0.07	0.08
464.	Journal of the Institution of Engineers (India): Architectural Engineering Division	IND	0	5	1	6	0.16	0.02	0.08
465.	Cement & Concrete Composites	USA	0	4	1	5	0.13	0.02	0.07
466.	Highway Research Bulletin	IND	0	5	0	5	0.16	0.00	0.07
467.	World Cement	UK	0	0	5	5	0.00	0.12	0.07
468.	Bulletin of the International Association for Shell and Spatial Structures	USA	0	1	3	4	0.03	0.07	0.05
469.	Geotechnical Engineering	THI	0	0	4	4	0.00	0.09	0.05
470.	International Journal of Solids and Structures	USA	0.732	1	3	4	0.03	0.07	0.05
471.	International Journal of Structures	IND	0	4	0	4	0.13	0.00	0.05
472.	Soils and Foundations	JPN	0	1	3	4	0.03	0.07	0.05
473.	Construction and Building Materials	UK	0	0	3	3	0.00	0.07	0.04
474.	Geotechnique	UK	0.404	1	2	3	0.03	0.05	0.04
475.	Journal of Performance of Constructed Facilities	USA	0	2	1	3	0.06	0.02	0.04

(Cont....)



	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
476.	Transactions of the Institutions of Engineers -								
	Australia :Civil Engineering	AUS	0	3	0	3	0.10	0.00	0.04
477.	<i>Building Research and Practice</i>	UK	0	2	0	2	0.06	0.00	0.03
478.	Geotechnical Special Publication	USA	0	0	2	2	0.00	0.05	0.03
479.	Geotechnical Testing Journal	USA	0	2	0	2	0.06	0.00	0.03
480.	Ground Engineering	UK	1.16	0	2	2	0.00	0.05	0.03
481.	Irrigation and Drainage Systems	NETH	0	0	2	2	0.00	0.05	0.03
482.	Nanostructured Materials	UK	1.424	0	2	2	0.00	0.05	0.03
483.	Structural Design of Tall Buildings	UK	0	0	2	2	0.00	0.05	0.03
484.	Structural Engineer	UK	0	2	0	2	0.06	0.00	0.03
485.	Advanced Cement Based Materials	USA	0	0	1	1	0.00	0.02	0.01
486.	Advances in Cement Research	UK	0	0	1	1	0.00	0.02	0.01
487.	Cement Concrete and Aggregates	USA	0	0	1	1	0.00	0.02	0.01
488.	Civil Engineering Systems	UK	0	1	0	1	0.03	0.00	0.01
489.	Concrete International	USA	0	0	1	1	0.00	0.02	0.01
490.	Earthquake Engineering & Structural Dynamics	UK	0	1	0	1	0.03	0.00	0.01
491.	European Coasting Journal	UK	0	1	0	1	0.03	0.00	0.01
492.	Journal of Computing in Civil Engineering	USA	0	1	0	1	0.03	0.00	0.01
493.	Smart Materials and Structures	NETH	0	0	1	1	0.00	0.02	0.01
494.	Tunnels and Tunnelling	UK	0	1	0	1	0.03	0.00	0.01

### Energy Technology and Petroleum Engineering

495.	Energy Conversion and Management	USA	0.29	36	45	81	1.17	1.06	1.10
496.	Energy (Oxford)	USA	0.15	24	16	40	0.78	0.38	0.54
497.	International Journal of Energy Research	UK	0.269	20	14	34	0.65	0.33	0.46
498.	Fuel Science & Technology International	USA	0	9	20	29	0.29	0.47	0.39
499.	Renewable Energy	UK	0	5	23	28	0.16	0.54	0.38
500.	Solar Energy Materials and Solar Cells	NETH	0.661	9	13	22	0.29	0.30	0.30
501.	Fuel	UK	1.013	11	6	17	0.36	0.14	0.23
502.	Energy Sources	USA	0.15	4	12	16	0.13	0.28	0.22
503.	Journal of Essential Oil Research	USA	0	0	14	14	0.00	0.33	0.19
504.	Solar Energy	USA	0	5	9	14	0.16	0.21	0.19
505.	Combustion and Flame	USA	1.179	2	7	9	0.06	0.16	0.12
506.	Energy Policy	UK	0.453	3	6	9	0.10	0.14	0.12
507.	Fuel Processing Technology	NETH	0.518	3	6	9	0.10	0.14	0.12
508.	International Journal of Ambient Energy	UK	0	2	6	8	0.06	0.14	0.11
509.	Oil and Gas Journal	USA	0.089	4	3	7	0.13	0.07	0.10
510.	RERIC International Energy Journal	THH	0	4	3	7	0.13	0.07	0.10
511.	Journal of Tribology	USA	0.427	4	1	5	0.13	0.02	0.07
512.	Solar Cells: Their Science Technology Applications and Economics	SWZ	0	5	0	5	0.16	0.00	0.07
513.	Applied Energy	UK	0.309	1	3	4	0.03	0.07	0.05
514.	Erdoel & Kohle Erdgas Petrochemie	GER	0.133	1	3	4	0.03	0.07	0.05
515.	Energy Systems and Policy	USA	0	3	0	3	0.10	0.00	0.04
516.	International Communications in Heat and Mass Transfer	USA	0.282	0	3	3	0.00	0.07	0.04
517.	International Journal of Numerical Methods for Heat and Fluid Flow	USA	0.764	0	3	3	0.00	0.07	0.04
518.	Journal of Applied Fire Science	USA	0	0	3	3	0.00	0.07	0.04
519.	International Journal of Global Energy Issues	USA	0	0	2	2	0.00	0.05	0.03
520.	Journal of Energy Resources Technology	USA	0.138	0	2	2	0.00	0.05	0.03
521.	Journal of the Institute of Energy	UK	0	0	2	2	0.00	0.05	0.03
522.	AAPG Bulletin	USA	0	1	0	1	0.03	0.00	0.01
523.	Diesel & Gas Turbine Worldwide	USA	0	0	1	1	0.00	0.02	0.01
524.	Energy & Fuels	USA	1.218	0	1	1	0.00	0.02	0.01
525.	Journal of Energy Engineering	USA	0.148	0	1	1	0.00	0.02	0.01
526.	Journal of Energy in Southern Africa	AFR	0	0	1	1	0.00	0.02	0.01
527.	Journal of Engineering for Gas Turbines and Power	USA	0.132	0	1	1	0.00	0.02	0.01

(Cont...)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
528.	Journal of Petroleum Science & Engineering	USA	0	1	0	1	0.03	0.00	0.01
529.	Journal of Synthetic Lubrication	UK	0	1	0	1	0.03	0.00	0.01
530.	Log Analyst	USA	0	0	1	1	0.00	0.02	0.01
531.	Marine and Petroleum Geology	UK	0.854	0	1	1	0.00	0.02	0.01
532.	NLGI Spokesman	USA	0	0	1	1	0.00	0.02	0.01
533.	Petroleum Engineer International	USA	0	1	0	1	0.03	0.00	0.01
534.	Petroleum Review	UK	0	0	1	1	0.00	0.02	0.01
535.	Progress in Energy and Combustion Science	USA	0	1	0	1	0.03	0.00	0.01
536.	World Oil	UK	0	0	1	1	0.00	0.02	0.01

### Engineering Management and Industrial Engineering

537.	International Journal of Engineering Science	USA	0.633	16	24	40	0.52	0.56	0.54
538.	Research and Industry	IND	0	16	0	16	0.52	0.00	0.22
539.	Modelling Measurement & Control D: Manufacturing Management Human & Socio-Economic Problems	\$IND	0	0	11	11	0.00	0.26	0.15
540.	Review of Scientific Instruments	USA	1.095	0	5	5	0.00	0.12	0.07
541.	Ergonomics	UK	0.861	1	3	4	0.03	0.07	0.05
542.	Hungarian Journal of Industrial Chemistry	HUG	0.12	0	4	4	0.00	0.09	0.05
543.	Quality Progress	USA	0.136	0	3	3	0.00	0.07	0.04
544.	International Journal of Applied Engineering Education	GER	0	1	1	2	0.03	0.02	0.03
545.	Journal of Engineering for Industry	USA	0.147	1	1	2	0.03	0.02	0.03
546.	Pulp & Paper International	CAN	0.255	0	2	2	0.00	0.05	0.03
547.	Applied Ergonomics	UK	0.453	0	1	1	0.00	0.02	0.01
548.	IEEE Transactions on Education	USA	0	1	0	1	0.03	0.00	0.01
549.	IEEE Transactions on Engineering Management	USA	0	1	0	1	0.03	0.00	0.01
550.	IEEE Transactions on Industry Applications	USA	0	1	0	1	0.03	0.00	0.01
551.	Industrial Heating	USA	0	0	1	1	0.00	0.02	0.01
552.	International Journal of Industrial Ergonomics	NETH	0	1	0	1	0.03	0.00	0.01
553.	International Journal of Project Management	UK	0	0	1	1	0.00	0.02	0.01
554.	Production & Inventory Management Journal	USA	0	1	0	1	0.03	0.00	0.01
555.	Quality & Reliability Engineering International	USA	0	0	1	1	0.00	0.02	0.01

### Mechanical Engineering, Automotive Engineering and Transportation

556.	Bulletin of Materials Science	IND	0.146	60	117	177	1.94	2.74	2.41
557.	Journal of Materials Science Letters	UK	0.444	61	84	145	1.97	1.97	1.97
558.	Journal of Materials Science	UK	0.741	52	52	104	1.68	1.22	1.41
559.	International Journal of Remote Sensing	UK	0.882	35	36	71	1.13	0.84	0.97
560.	Materials Chemistry and Physics	SWZ	0.165	9	29	38	0.29	0.68	0.52
561.	Engineering Fracture Mechanics	USA	0.358	12	25	37	0.39	0.59	0.50
562.	Modelling Measurement & Control B: Solid & Fluid Mechanics & Thermics Mechanical systems	\$IND	0	23	13	36	0.74	0.30	0.49
563.	American Society of Mechanical Engineers	USA	0	14	11	25	0.45	0.26	0.34
564.	International Journal of Pressure Vessels and Piping	UK	0.18	2	17	19	0.06	0.40	0.26
565.	Composite Structures	UK	0.493	5	9	14	0.16	0.21	0.19
566.	International Journal of Fracture	NETH	0.548	5	9	14	0.16	0.21	0.19
567.	International Journal of Heat & Mass Transfer	USA	0.894	11	3	14	0.36	0.07	0.19
568.	Journal of the Institution of Engineers (India): Mechanical Engineering Division	IND	0	7	7	14	0.23	0.16	0.19

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
569.	International Journal of Production Economics	NETH	0.059	1	9	10	0.03	0.21	0.14
570.	Mechanics Research Communications	USA	0.263	3	7	10	0.10	0.16	0.14
571.	International Journal of Mechanical Sciences	USA	0.61	6	3	9	0.19	0.07	0.12
572.	International Journal of Production Research	UK	0.314	3	4	7	0.10	0.09	0.10
573.	AMSE Review	USA	0	6	0	6	0.19	0.00	0.08
574.	Engineering Costs and Production Economics	NETH	0	6	0	6	0.19	0.00	0.08
575.	Journal of Engineering Mechanics	USA	0.442	1	5	6	0.03	0.12	0.08
576.	Journal of Transportation Engineering	USA	0.086	3	3	6	0.10	0.07	0.08
577.	Mechanism & Machine Theory	USA	0.221	2	4	6	0.06	0.09	0.08
578.	International Journal of Heat and Fluid Flow	USA	0.653	1	4	5	0.03	0.09	0.07
579.	International Journal of Machine Tools & Manufacturing	USA	0.086	2	3	5	0.06	0.07	0.07
580.	Railway Gazette International	UK	0	2	3	5	0.06	0.07	0.07
581.	International Journal of Non-Linear Mechanics	USA	0.359	2	2	4	0.06	0.05	0.05
582.	Theoretical and Applied Fracture Mechanics	NETH	0.167	2	2	4	0.06	0.05	0.05
583.	Fatigue and Fracture of Engineering Materials & Structures	USA	0.423	0	3	3	0.00	0.07	0.04
584.	International Journal of Advanced Manufacturing Technology	UK	0	1	2	3	0.03	0.05	0.04
585.	Journal of Applied Mechanics	USA	0.577	0	3	3	0.00	0.07	0.04
586.	Journal of Biomechanics	USA	1.548	2	1	3	0.06	0.02	0.04
587.	Journal of Dynamic systems measurement & Control	USA	0	3	0	3	0.10	0.00	0.04
588.	S T L E Tribology Transactions	USA	0	0	3	3	0.00	0.07	0.04
589.	Tribology International	UK	0.369	0	3	3	0.00	0.07	0.04
590.	Welding Journal (Miami Fla)	USA	0.135	0	3	3	0.00	0.07	0.04
591.	Computer Methods in Applied Mechanics and Engineering	SWZ	1.018	0	2	2	0.00	0.05	0.03
592.	Control - Theory and Advanced Technology	USA	0	0	2	2	0.00	0.05	0.03
593.	Journal of Advanced Transportation	USA	0	0	2	2	0.00	0.05	0.03
594.	Journal of Applied Manufacturing Systems	USA	0	2	0	2	0.06	0.00	0.03
595.	Journal of Mechanical Design	USA	0.1	0	2	2	0.00	0.05	0.03
596.	Quarterly Journal of Mechanics and Applied Mathematics	UK	0.658	1	1	2	0.03	0.02	0.03
597.	Transportation Research Record	USA	0	1	1	2	0.03	0.02	0.03
598.	Turbomachinery International	USA	0	0	2	2	0.00	0.05	0.03
599.	Acta Mechanica	USA	0	1	0	1	0.03	0.00	0.01
600.	Archive of Applied Mechanics	USA	0.236	0	1	1	0.00	0.02	0.01
601.	Compost Science and Utilization	USA	0	0	1	1	0.00	0.02	0.01
602.	Dock & Harbour Authority	UK	0	0	1	1	0.00	0.02	0.01
603.	Experimental Mechanics	USA	0	1	0	1	0.03	0.00	0.01
604.	Heavy Vehicle Systems	SIND	0	0	1	1	0.00	0.02	0.01
605.	IEEE Transactions on Components- Hybrids and Manufacturing Technology	USA	0	1	0	1	0.03	0.00	0.01
606.	International Journal of Fatigue	UK	0	1	1	1	0.00	0.02	0.01
607.	International Journal of Multiphase Flow	USA	0.755	0	1	1	0.00	0.02	0.01
608.	ITE Journal	USA	0	1	0	1	0.03	0.00	0.01
609.	Journal of Terramechanics	USA	0	1	0	1	0.03	0.00	0.01
610.	Journal of the Mechanics & Physics of Solids	USA	2.012	0	1	1	0.00	0.02	0.01
611.	Journal of Thermal Stresses	USA	0.5	0	1	1	0.00	0.02	0.01
612.	JSMF International Journal Series A: Mechanics and Material Engineering	JPN	0.219	0	1	1	0.00	0.02	0.01
613.	Machine Design	USA	0	0	1	1	0.00	0.02	0.01
614.	Manufacturing Review	USA	0	1	0	1	0.03	0.00	0.01
615.	Mechanics of Structures and Machines	USA	0.333	0	1	1	0.00	0.02	0.01
616.	Rail International	BEL	0	0	1	1	0.00	0.02	0.01
617.	Road and Transport Research	USA	0	0	1	1	0.00	0.02	0.01
618.	Transactions of the Canadian Society for Mechanical Engineering	CAN	0.055	0	1	1	0.00	0.02	0.01

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
619.	Transportation Research Part A: Policy and Practice	UK	0.424	0	1	1	0.00	0.02	0.01
<b>Environmental Technology</b>									
620.	Atmospheric Environment	UK	1.31	32	10	42	1.04	0.23	0.57
621.	Bulletin of Environmental Contamination and Toxicology	USA	0.563	0	39	39	0.00	0.91	0.53
622.	Water Air and Soil Pollution	NETH	0.181	13	8	21	0.42	0.19	0.29
623.	International Journal of Environmental Studies	UK	0	0	18	18	0.00	0.42	0.24
624.	Journal of Environmental Science & Health: A Environmental Science and Engineering	USA	0.467	4	14	18	0.13	0.33	0.24
625.	Toxicological and Environmental Chemistry	UK	0.209	0	13	13	0.00	0.30	0.18
626.	Environmental Geology	USA	0.325	5	7	12	0.16	0.16	0.16
627.	Environmental Monitoring and Assessment	NETH	0.366	0	11	11	0.00	0.26	0.15
628.	Indian Journal of Environmental Health	USA	0	10	0	10	0.32	0.00	0.14
629.	Journal of Environmental Engineering	USA	1.266	6	4	10	0.19	0.09	0.14
630.	Metallurgical Transactions A: Physical Metallurgy & Materials Science	USA	0	10	0	10	0.32	0.00	0.14
631.	Environmental Geology and Water Sciences	USA	0	5	0	5	0.16	0.00	0.07
632.	Journal of the Institution of Engineers (India): Environmental Engineering	IND	0	1	4	5	0.03	0.09	0.07
633.	Environmental Conservation	SWZ	0.371	1	3	4	0.03	0.07	0.05
634.	Journal of Environmental Radioactivity	UK	0.505	2	2	4	0.06	0.05	0.05
635.	Journal of Environmental Science & Health: B Pesticides Food Contaminants & Agricultural Wastes	USA	0.693	0	4	4	0.00	0.09	0.05
636.	Waste Management	UK	0	3	1	4	0.10	0.02	0.05
637.	Environment International	USA	0.35	2	1	3	0.06	0.02	0.04
638.	International Journal of Environment & Pollution	SWZ	0	1	2	3	0.03	0.05	0.04
639.	Journal of Hazardous Materials	NETH	0.497	2	1	3	0.06	0.02	0.04
640.	Soil Dynamics and Earthquake Engineering	USA	0	2	1	3	0.06	0.02	0.04
641.	Soil Science Society of America Journal	USA	1.231	2	1	3	0.06	0.02	0.04
642.	Ultrasonics	UK	0	3	0	3	0.10	0.00	0.04
643.	Atmospheric Environment - Part A: General Topics	USA	0	2	0	2	0.06	0.00	0.03
644.	Atmospheric Environment - Part B: Urban Atmosphere	USA	0	2	0	2	0.06	0.00	0.03
645.	Environmental Management	USA	0.477	0	2	2	0.00	0.05	0.03
646.	Man's Influence on Freshwater Ecosystems and Water Use IAHS Publication	UK	0	0	2	2	0.00	0.05	0.03
647.	Resources Conservation and Recycling	USA	0.189	0	2	2	0.00	0.05	0.03
648.	International Journal of Environmental Analytical Chemistry	UK		0	1	1	0.00	0.02	0.01
649.	Modelling and Management of Sustainable Basin-Scale Water Resource Systems IAHS Publication	UK	0	0	1	1	0.00	0.02	0.01
<b>Light and Optical Technology</b>									
650.	Journal of Sound and Vibration	UK	0.696	18	34	52	0.58	0.80	0.71
651.	Optics Communications	NETH	1.205	24	16	40	0.78	0.38	0.54
652.	Microwave and Optical Technology Letters	USA	0.32	6	8	14	0.19	0.19	0.19
653.	Journal of Physics B: Atomic Molecular and Optical Physics	UK	2.415	0	12	12	0.00	0.28	0.16
654.	Physical Review A: Atomic Molecular & Optical Physics	USA	0	0	12	12	0.00	0.28	0.16
655.	Applied Optics	USA	1.033	0	9	9	0.00	0.21	0.12

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
656.	IEEE Transactions on Microwave Theory and Techniques	USA	1.004	5	4	9	0.16	0.09	0.12
657.	Optics and Laser Technology	UK	0.416	7	2	9	0.23	0.05	0.12
658.	Applied Acoustics	UK	0.149	7	1	8	0.23	0.02	0.11
659.	IEEE Transactions on Antennas & Propagation	USA	0.806	6	2	8	0.19	0.05	0.11
660.	Optik (Stuttgart)	GER	0.569	0	8	8	0.00	0.19	0.11
661.	Journal of Lightwave Technology	USA	0	5	0	5	0.16	0.00	0.07
662.	Journal of the Optical Society of America B: Optical Physics	USA	2.157	0	5	5	0.00	0.12	0.07
663.	Molecular Crystals and Liquid Crystals Science and Technology	UK	0.967	0	5	5	0.00	0.12	0.07
664.	Optics Letters	USA	2.525	0	5	5	0.00	0.12	0.07
665.	International Journal of Infrared and Millimeter Waves	USA	0.442	2	2	4	0.06	0.05	0.05
666.	Journal of Luminescence	SA	1.173	2	2	4	0.06	0.05	0.05
667.	Journal of the Optical Society of America A: Optics and Image Science	USA	1.425	0	4	4	0.00	0.09	0.05
668.	Journal of Vibration and Acoustics	USA	0.219	2	2	4	0.06	0.05	0.05
669.	Independent Energy	USA	0.115	0	3	3	0.00	0.07	0.04
670.	Journal of Heat Transfer	USA	0	3	0	3	0.10	0.00	0.04
671.	Numerical Heat Transfer: An International Journal of Computation and Methodology	USA	0	0	3	3	0.00	0.07	0.04
672.	Optical Engineering	USA	0.65	1	2	3	0.03	0.05	0.04
673.	IEEE Photonics Technology Letters	USA	1.244	1	1	2	0.03	0.02	0.03
674.	IEEE Transactions on Acoustics.- Speech and Signal Processing	USA	0	2	0	2	0.06	0.00	0.03
675.	IEEE Transactions on Ultrasonics.- Ferroelectrics and Frequency Control	USA	0	2	0	2	0.06	0.00	0.03
676.	Fiber and Integrated Optics	USA	0.232	0	1	1	0.00	0.02	0.01
677.	Frequenz	GER	0	0	1	1	0.00	0.02	0.01
678.	Journal of Composites Technology & Research	USA	0.472	0	1	1	0.00	0.02	0.01
679.	Journal of Optical Communications	GER	0	0	1	1	0.00	0.02	0.01
680.	Journal of Solar Energy Engineering	USA	0.506	0	1	1	0.00	0.02	0.01
681.	Journal of the Astronautical Sciences	USA	0.23	0	1	1	0.00	0.02	0.01
682.	Laser and Particle Beams	UK	0.389	0	1	1	0.00	0.02	0.01
683.	Lighting Design and Application	USA	0	0	1	1	0.00	0.02	0.01
684.	Microwave Journal	USA	0.213	0	1	1	0.00	0.02	0.01
685.	Optical Materials	USA	1.086	0	1	1	0.00	0.02	0.01
686.	Pure and Applied Optics: Journal of the European Optical Society	UK	0	0	1	1	0.00	0.02	0.01
687.	Sunworld	USA	0	1	0	1	0.03	0.00	0.01
688.	Wind Engineering	UK	0	0	1	1	0.00	0.02	0.01

### Marine Engineering, Naval Architecture, Ocean and underwater Technology

689.	Journal of Hydrology	NZL	0.779	16	8	24	0.52	0.19	0.33
690.	Water Research	USA	1.574	9	6	15	0.29	0.14	0.20
691.	Ocean Engineering (Pergamon)	USA	0.288	7	7	14	0.23	0.16	0.19
692.	Water Science and Technology	USA	0.665	8	3	11	0.26	0.07	0.15
693.	Hydrological Sciences Journal	UK	0.465	5	5	10	0.16	0.12	0.14
694.	Fluid Dynamics Research	NETH	0.313	5	3	8	0.16	0.07	0.11
695.	International Journal of Water Resources Development	UK	0	7	1	8	0.23	0.02	0.11
696.	Journal of Hydraulic Engineering	USA	0.844	2	6	8	0.06	0.14	0.11
697.	Marine Georesources and Geotechnology	USA	0.15	2	6	8	0.06	0.14	0.11
698.	Ground Water	USA	0.284	1	5	6	0.03	0.12	0.08
699.	Hydrological Processes	USA	0.697	1	4	5	0.03	0.09	0.07

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
700.	<i>Journal of Water Resources Planning and Management</i>	USA	0.433	3	2	5	0.10	0.05	0.07
701.	<i>Coastal Engineering</i>	NETH	0.43	3	1	4	0.10	0.02	0.05
702.	<i>Journal of Hydraulic Research</i>	USA	0.33	1	3	4	0.03	0.07	0.05
703.	<i>Journal of Waterway Port Coastal and Ocean Engineering</i>	USA	0.365	2	2	4	0.06	0.05	0.05
704.	<i>Water Resources Management</i>	NETH	0	0	4	4	0.00	0.09	0.05
705.	<i>IAHS Publication</i>	UK	0	0	3	3	0.00	0.07	0.04
706.	<i>Water Supply</i>	USA	0	2	1	3	0.06	0.02	0.04
707.	<i>China Ocean Engineering</i>	CHI	0	2	0	2	0.06	0.00	0.03
708.	<i>International Shipbuilding Progress</i>	USA	0	2	0	2	0.06	0.00	0.03
709.	<i>International Water &amp; Irrigation Review</i>	ISR	0	0	2	2	0.00	0.05	0.03
710.	<i>Journal of Fluid Mechanics</i>	USA	1.864	1	1	2	0.03	0.02	0.03
711.	<i>Naval Research Logistics</i>	USA	0	2	0	2	0.06	0.00	0.03
712.	<i>Oceans Conference Record (IEEE)</i>	USA	0	0	2	2	0.00	0.05	0.03
713.	<i>Water Resources Bulletin</i>	USA	0.513	1	1	2	0.03	0.02	0.03
714.	<i>Deep Sea Reseach.- Part A: Oceanographic Research Papers</i>	USA	0	1	0	1	0.03	0.00	0.01
715.	<i>Marine Engineers Review</i>	UK	0	0	1	1	0.00	0.02	0.01
716.	<i>Marine Technology</i>	USA	0	0	1	1	0.00	0.02	0.01
717.	<i>Motor Ship</i>	UK	0	0	1	1	0.00	0.02	0.01
718.	<i>Naval Architect</i>	UK	0	0	1	1	0.00	0.02	0.01
719.	<i>Naval Engineering Journal</i>	USA	0	1	0	1	0.03	0.00	0.01
720.	<i>Ocean and Coastal Management</i>	UK	0	0	1	1	0.00	0.02	0.01
721.	<i>Tracer Technologies for Hydrological Systems IAHS Publication</i>	USA	0	0	1	1	0.00	0.02	0.01
722.	<i>Water Environment and Technology</i>	USA	0	1	0	1	0.03	0.00	0.01
723.	<i>Water Environment Research</i>	USA	0.313	0	1	1	0.00	0.02	0.01

### Aeronautical and Aerospace Engineering

724.	<i>Journal of Spacecraft Technology</i>	USA	0	0	19	19	0.00	0.45	0.26
725.	<i>AIAA Journal</i>	USA	0.592	8	3	11	0.26	0.07	0.15
726.	<i>Journal of Aerosol Science</i>	USA	1.597	3	8	11	0.10	0.19	0.15
727.	<i>Pattern Recognition Letters</i>	NETH	0.381	4	7	11	0.13	0.16	0.15
728.	<i>Journal of Aircraft</i>	USA	0.158	3	4	7	0.10	0.09	0.10
729.	<i>IEEE Transactions on Aerospace and Electronic Systems</i>	USA	0.459	2	4	6	0.06	0.09	0.08
730.	<i>Journal of Propulsion and Power</i>	USA	0.266	2	4	6	0.06	0.09	0.08
731.	<i>Nuclear Science and Engineering</i>	USA	0.483	2	4	6	0.06	0.09	0.08
732.	<i>Aviation Week and Space Technology</i>	USA	0	0	5	5	0.00	0.12	0.07
733.	<i>Defence Science Journal</i>	IND	0	3	2	5	0.10	0.05	0.07
734.	<i>IEEE Transactions on Geoscience and Remote Sensing</i>	USA	1.356	2	3	5	0.06	0.07	0.07
735.	<i>Journal of the Institution of Engineers (India): Aerospace Engineering Journal</i>	IND	0	2	2	4	0.06	0.05	0.05
736.	<i>Advances in Space Research</i>	USA	0	3	0	3	0.10	0.00	0.04
737.	<i>Aeronautical Journal</i>	UK	0.078	1	2	3	0.03	0.05	0.04
738.	<i>ISPRS Journal of Photogrammetry and Remote Sensing</i>	NETH	0.282	0	3	3	0.00	0.07	0.04
739.	<i>Photogrammetric Engineering and Remote Sensing</i>	USA	0	3	0	3	0.10	0.00	0.04
740.	<i>Remote Sensing of Environment</i>	USA	1.695	1	2	3	0.03	0.05	0.04
741.	<i>Tunnelling &amp; Underground Space Technology</i>	USA	0	2	1	3	0.06	0.02	0.04
742.	<i>VLSI Design</i>	USA	0	0	3	3	0.00	0.07	0.04
743.	<i>Journal of Spacecraft and Rockets</i>	USA	0.426	1	1	2	0.03	0.02	0.03
744.	<i>Journal of Wind Engineering and Industrial Aerodynamics</i>	NETH	0.114	1	1	2	0.03	0.02	0.03
745.	<i>Acta Astronautica</i>	UK	0.099	0	1	1	0.00	0.02	0.01
746.	<i>Advances in Cryogenic Engineering</i>	USA	0	1	0	1	0.03	0.00	0.01

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
747.	Airport Forum	GER	0	0	1	1	0.00	0.02	0.01
748.	High Pressure Research	USA	0	1	0	1	0.03	0.00	0.01
749.	High Temperature Science	USA	0	1	0	1	0.03	0.00	0.01
750.	ICLASF Record	USA	0	0	1	1	0.00	0.02	0.01
751.	International Journal of Offshore and Polar Engineering	USA	0	0	1	1	0.00	0.02	0.01
752.	International Journal of Satellite Communications	UK	0	1	0	1	0.03	0.00	0.01
753.	International Journal of Solar Energy	USA	0	0	1	1	0.00	0.02	0.01
754.	Journal of Aerospace Engineering	USA	0	0	1	1	0.00	0.02	0.01
755.	Journal of Pressure Vessel Technology	USA	0	1	0	1	0.03	0.00	0.01
756.	Transactions of the Japan Society for Aeronautical and Space Sciences	JPN	0.105	0	1	1	0.00	0.02	0.01

### Bioengineering

757.	Irrigation and Power Journal	IND	0	12	27	39	0.39	0.63	0.53
758.	Journal of Irrigation & Drainage Engineering	USA	0.369	12	18	30	0.39	0.42	0.41
759.	Bioresource Technology	UK	0.785	7	18	25	0.23	0.42	0.34
760.	Geotextiles and Geomembranes	UK	0.122	5	18	23	0.16	0.42	0.31
761.	AMA Agricultural Mechanization in Asia Africa and Latin America	USA	0	17	2	19	0.55	0.05	0.26
762.	Journal of Membrane Science	NETH	1.492	8	9	17	0.26	0.21	0.23
763.	Biological Wastes	UK	0	9	0	9	0.29	0.00	0.12
764.	AIChE Journal	USA	1.359	6	1	7	0.19	0.02	0.10
765.	Biomass and Bioenergy	USA	0	0	6	6	0.00	0.14	0.08
766.	Journal of Biotechnology	NETH	1.408	2	4	6	0.06	0.09	0.08
767.	Biomass	UK	0	5	0	5	0.16	0.00	0.07
768.	Journal of the Institution of Engineers (India): Agricultural Engineering Division	IND	0	2	3	5	0.06	0.07	0.07
769.	Medical, Biological Engineering & Computing	UK	0.599	2	3	5	0.06	0.07	0.07
770.	Boundary-Layer Meteorology	NETH	1.139	0	4	4	0.00	0.09	0.05
771.	International Biodeterioration Biodegradation	UK	0.175	2	2	4	0.06	0.05	0.05
772.	Biomedical Sciences Instrumentation	USA	0	0	3	3	0.00	0.07	0.04
773.	Bioresource Technology and Bioengineering	USA	0	3	0	3	0.10	0.00	0.04
774.	International Journal of Biomedical Computing	IRE	0.576	0	3	3	0.00	0.07	0.04
775.	Journal of Biomaterials Applications	USA	1.418	2	1	3	0.06	0.02	0.04
776.	Journal of Biomedical Materials Research	USA	0	3	0	3	0.10	0.00	0.04
777.	Journal of Fermentation and Bioengineering	JPN	1.002	0	3	3	0.00	0.07	0.04
778.	Biomaterials	UK	1.576	1	1	2	0.03	0.02	0.03
779.	Biotechnology Advances	USA	0.455	0	2	2	0.00	0.05	0.03
780.	Biotechnology Progress	USA	1.699	1	1	2	0.03	0.02	0.03
781.	IEEE Transactions of Biomedical Engineering	USA	0	2	0	2	0.06	0.00	0.03
782.	Journal of Wood Chemistry and Technology	USA	0.763	1	1	2	0.03	0.02	0.03
783.	NLM Technical Journal	IND	0	2	0	2	0.06	0.00	0.03
784.	Applied Engineering in Agriculture	USA	0	1	0	1	0.03	0.00	0.01
785.	Medical Engineering & Physics	UK	0	0	1	1	0.00	0.02	0.01
786.	Medical Progress Through Technology	NETH	0.127	0	1	1	0.00	0.02	0.01
787.	Trends in Biotechnology	NETH	0	1	0	1	0.03	0.00	0.01

### Food Technology

788.	Journal of Food Science and Technology	IND	0.026	0	22	22	0.00	0.52	0.30
789.	Journal of Food Engineering	USA	0.74	2	5	7	0.06	0.12	0.10
790.	Journal of Food Process Engineering	USA	0.371	2	3	5	0.06	0.07	0.07
791.	Irrigation Science	USA	0	4	0	4	0.13	0.00	0.05

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
792.	Food Biotechnology	USA	0	3	0	3	0.10	0.00	0.04
<b>Information and Communication Science</b>									
793.	Information Processing Letters	NETH	0.311	6	12	18	0.19	0.28	0.24
794.	Information Sciences	USA	0.266	2	4	6	0.06	0.09	0.08
795.	Journal of Information Science	NETH	0.224	1	1	2	0.03	0.02	0.03
796.	Microcomputers for Information Management	USA	0	2	0	2	0.06	0.00	0.03
797.	Acta Informatica	USA	0	1	0	1	0.03	0.00	0.01
798.	Communications of ACM	USA	0	1	0	1	0.03	0.00	0.01
799.	Education for Information	NETH	0	0	1	1	0.00	0.02	0.01
800.	Electronic Library	UK	0	0	1	1	0.00	0.02	0.01
801.	IEEE Transactions on Information Theory	USA	1.971	0	1	1	0.00	0.02	0.01
802.	Information and Decision Technologies	NETH	0.189	0	1	1	0.00	0.02	0.01
803.	Information and Software Technology	UK	0.182	0	1	1	0.00	0.02	0.01
804.	Journal of Strategic Information Systems	UK	0	0	1	1	0.00	0.02	0.01
805.	Online and CDROM Review	UK	0.389	0	1	1	0.00	0.02	0.01
<b>Mathematics - General</b>									
806.	European Journal of Operational Research	NETH	0.356	6	7	13	0.19	0.16	0.18
807.	Fuzzy Sets and Systems	NETH	0.61	3	9	12	0.10	0.21	0.16
808.	Advances in Modelling and Analysis A: General Mathematical and Computer Tools	\$IND	0	0	10	10	0.00	0.23	0.14
809.	International Journal for Numerical Methods in Engineering	UK	1.002	5	5	10	0.16	0.12	0.14
810.	Journal of Mathematical Analysis & Applications	USA	0	10	0	10	0.32	0.00	0.14
811.	Journal of the Operational Research Society	USA	0.546	5	5	10	0.16	0.12	0.14
812.	Journal of Optimization Theory & Applications	USA	0.315	4	2	6	0.13	0.05	0.08
813.	Advances in Modelling and Simulation	IND	0	5	0	5	0.16	0.00	0.07
814.	International Journal for Numerical Methods in Fluids	UK	0.764	3	2	5	0.10	0.05	0.07
815.	Applied Mathematical Modelling	USA	0.271	2	2	4	0.06	0.05	0.05
816.	Operations Research Letters	NETH	0.235	3	1	4	0.10	0.02	0.05
817.	Geoexploration	NETH	0	2	0	2	0.06	0.00	0.03
818.	Simulation	USA	0	2	0	2	0.06	0.00	0.03
819.	Algorithmica	USA	0	1	0	1	0.03	0.00	0.01
820.	Applied Mathematics and Optimization	USA	0	1	0	1	0.03	0.00	0.01
821.	Asymptotic Analysis	NETH	2.328	0	1	1	0.00	0.02	0.01
822.	IEEE Transactions on Fuzzy Systems	USA	0	0	1	1	0.00	0.02	0.01
823.	Numerical Methods for Partial Differential Equations	USA	0	0	1	1	0.00	0.02	0.01
824.	SIAM Journal of Numerical Analysis	USA	0	1	0	1	0.03	0.00	0.01
825.	SIAM Journal on Applied Mathematics	USA	0	1	0	1	0.03	0.00	0.01
<b>Physics - General</b>									
826.	Wear	SWZ	0.58	12	17	29	0.39	0.40	0.39
827.	Vacuum	UK	0.488	19	6	25	0.62	0.14	0.34
828.	Measurement Science & Technology	UK	0.708	12	8	20	0.39	0.19	0.27
829.	Transactions of the SAEST	IND	0	15	0	15	0.49	0.00	0.20
830.	Physica Scripta	SWZ	0.991	0	10	10	0.00	0.23	0.14
831.	Journal De Physique	FRN	0	2	6	8	0.06	0.14	0.11
832.	Waerme- und Stoffuebertragung/Thermo- and Fluid Dynamics	USA	0.496	4	3	7	0.13	0.07	0.10
833.	Journal of Thermophysics and Heat Transfer	USA	0.832	2	3	5	0.06	0.07	0.07
834.	Surface Science	NETH	2.745	0	5	5	0.00	0.12	0.07

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
835.	Composites Science and Technology	UK	0.906	1	2	3	0.03	0.05	0.04
836.	Journal of the Franklin Institute	USA	0.252	1	2	3	0.03	0.05	0.04
837.	Reliability Engineering & System Safety	UK	0.29	0	3	3	0.00	0.07	0.04
838.	Separations Technology	USA	0	0	3	3	0.00	0.07	0.04
839.	Chemie-Ingenieur-Technik	GER	0	2	0	2	0.06	0.00	0.03
840.	Decision Support Systems	NETU	0.354	1	1	2	0.03	0.02	0.03
841.	Journal of King Saud University Engineering Sciences	Sothers	0	0	2	2	0.00	0.05	0.03
842.	Journal of Low Temperature Physics	USA	0	2	0	2	0.06	0.00	0.03
843.	Forensic Engineering	UK	0	1	0	1	0.03	0.00	0.01
844.	Philosophical Magazine A: Physics of Condensed Matter -Defects and Mechanical Properties	UK	0	1	0	1	0.03	0.00	0.01
<b>Others</b>									
845.	Journal of the Institution of Engineers (India): Interdisciplinary Journal	IND	0	8	1	9	0.26	0.02	0.12
846.	Transactions of the ASAE	USA	0.382	3	3	6	0.10	0.07	0.08
847.	ASTM Special Technical Publication	USA	0	0	5	5	0.00	0.12	0.07
848.	Journal of Testing & Evaluation	USA	0.243	3	2	5	0.10	0.05	0.07
849.	Chaos Solitons and Fractals	USA	0	0	4	4	0.00	0.09	0.05
850.	Experimental Thermal and Fluid Science	USA	0.599	3	1	4	0.10	0.02	0.05
851.	International Journal of Impact Engineering	USA	0.265	3	1	4	0.10	0.02	0.05
852.	JOM	USA	0.807	3	1	4	0.10	0.02	0.05
853.	Engineering Computations	AUS	1.286	2	1	3	0.06	0.02	0.04
854.	Fullerene Science and Technology	IND	0	0	3	3	0.00	0.07	0.04
855.	Journal of Scientific and Industrial Research	IND	0	3	0	3	0.10	0.00	0.04
856.	Precision Engineering	UK	0	3	0	3	0.10	0.00	0.04
857.	SESI Journal	UK	0	3	0	3	0.10	0.00	0.04
858.	Indian Journal of Technology	USA	0	2	0	2	0.06	0.00	0.03
859.	Scientific American	USA	2.881	1	1	2	0.03	0.02	0.03
860.	ABU Technical Review	MAL	0	0	1	1	0.00	0.02	0.01
861.	Acta Technica CSAV	USSR	0	1	0	1	0.03	0.00	0.01
862.	Akusticheskii Zhurnal	USSR	0	0	1	1	0.00	0.02	0.01
863.	Annals of Occupational Hygiene	USA	0	1	0	1	0.03	0.00	0.01
864.	Australasian Physical & Engineering Sciences in Medicine	AUS	0	0	1	1	0.00	0.02	0.01
865.	Automatica	USA	0.9	0	1	1	0.00	0.02	0.01
866.	Bulletin of Institution of Engineers	IND	0	1	0	1	0.03	0.00	0.01
867.	Bulletin of the Geothermal Resources Council	USA	0	0	1	1	0.00	0.02	0.01
868.	Condition Monitoring & Diagnostic Technology	UK	0	1	0	1	0.03	0.00	0.01
869.	EBU Review.- Part A: Technical	SWZ	0	1	0	1	0.03	0.00	0.01
870.	Engineering News-Record	USA	0	0	1	1	0.00	0.02	0.01
871.	Engineering Simulation	USA	0	0	1	1	0.00	0.02	0.01
872.	Erzmetall	GER	0	1	0	1	0.03	0.00	0.01
873.	Experimental Techniques	USA	0	1	0	1	0.03	0.00	0.01
874.	Fire and Materials	UK	0	0	1	1	0.00	0.02	0.01
875.	Gear Technology	USA	0	0	1	1	0.00	0.02	0.01
876.	High Temperature Technology	UK	0	1	0	1	0.03	0.00	0.01
877.	IEEE Potentials	USA	0	1	0	1	0.03	0.00	0.01
878.	Insight - Non - Destructive Testing and Condition Monitoring	UK	0	0	1	1	0.00	0.02	0.01
879.	Issledovanie Zemli iz Kosmosa	USSR	0.7	0	1	1	0.00	0.02	0.01
880.	Journal of Applied Biomaterials	USA	1.025	0	1	1	0.00	0.02	0.01
881.	Journal of Clinical Engineering	USA	0	1	0	1	0.03	0.00	0.01
882.	Journal of Coatings Technology	USA	0	1	0	1	0.03	0.00	0.01
883.	Journal of Phase Equilibria	USA	0	0	1	1	0.00	0.02	0.01

(Cont....)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
884.	Journal of Rehabilitation Research & Development	USA	0	1	0	1	0.03	0.00	0.01
885.	Journal of the American Leather Chemists Association	USA	0	1	0	1	0.03	0.00	0.01
886.	Journal of the Audio Engineering Society	USA	0.5	0	1	1	0.00	0.02	0.01
887.	Measurement: Journal of the International Measurement Confederation	UK	0	0	1	1	0.00	0.02	0.01
888.	Meteorologiya i Gidrologiya	USSR	0	0	1	1	0.00	0.02	0.01
889.	Modal Analysis: The International Journal of Analytical and Experimental Modal Analysis	UK	0	0	1	1	0.00	0.02	0.01
890.	NDT & E International	UK	0.189	0	1	1	0.00	0.02	0.01
891.	New Polymeric Materials	NETH	0	0	1	1	0.00	0.02	0.01
892.	Nonlinear Analysis Theory Methods & Applications	USA	0.38	0	1	1	0.00	0.02	0.01
893.	Plant/Operations Progress	GER	0	1	0	1	0.03	0.00	0.01
894.	SPE Formation Evaluation	USA	0	0	1	1	0.00	0.02	0.01
895.	TAPPI Journal	USA	0.357	0	1	1	0.00	0.02	0.01
896.	Technological Forecasting & Social Change	USA	0	0	1	1	0.00	0.02	0.01
897.	Technovation	UK	0.147	0	1	1	0.00	0.02	0.01
898.	Tenside Surfactants Detergents	GER	0	0	1	1	0.00	0.02	0.01
899.	Thin Walled Structures	UK	0	1	0	1	0.03	0.00	0.01
900.	Waste Management and Research	UK	0	1	0	1	0.03	0.00	0.01
901.	Wire	GER	0	1	0	1	0.03	0.00	0.01
<b>Total</b>			<b>3089</b>	<b>4263</b>	<b>7352</b>	<b>99.22</b>	<b>99.24</b>	<b>99.18</b>	
<b>Non Journal Items</b>			<b>431</b>	<b>558</b>	<b>989</b>				
<b>No. of records without any code for document type</b>					<b>8</b>	<b>8</b>			
<b>Total</b>			<b>3520</b>	<b>4829</b>	<b>8349</b>				

Note: Impact Factor values are taken from Journal citation reports, 1994