

**"MINIMUM DOCUMENTATION" UNDER RULE 34.1(B)(III) OF THE REGULATIONS
UNDER THE PATENT COOPERATION TREATY (PCT)**

The International Searching Authorities have agreed that, for the purposes of PCT Rule 34.1(b)(iii), the published items of non-patent literature to be included in the PCT "minimum documentation" should be the items published in the periodicals listed below during the five-year period preceding the time at which an international search report is established, it being understood that an International Searching Authority (ISA) would not be precluded from consulting issues of the said periodicals published prior to the beginning of the said five-year period. It has been agreed by the PCT Committee for Technical Cooperation that the periodicals need be consulted by the ISA only in respect of issues published after the effective inclusion of such periodicals in the list. The list is preceded by explanatory notes facilitating an understanding of the indications contained therein.

The list was originally agreed upon at a meeting held in Geneva on April 12, 1978. The present list was agreed upon by the ISAs at the Meeting of International Authorities under the Patent Cooperation Treaty (PCT/MIA) held from April 7 to 9, 2008, with effect from January 1, 2009. This list replaces the list published in a Special Issue of the *PCT Gazette* No. S-02/2003, dated March 27, 2003, and in the *WIPO Handbook on Industrial Property Information and Documentation* (pages 4.2.1 to 4.2.34, dated December 2006). This list was updated by the PCT Minimum Documentation Task Force established by the PCT/MIA and reflects the information for each periodical as at June 1, 2020.

Explanatory Notes

1. Each entry of the list gives information for each of the 133 periodicals by using letter codes “A” to “J” as defined below. Each PCT identification number relates to either:

- (a) one periodical or
- (b) a periodical (with a pre-existing PCT identification number) which has now split into several periodicals or several parts of the same periodical. Where there has been a split, each part is preceded by (A), (B), (C), ...

- A – PCT identification number
- B – Title of the periodical
- C – Publisher’s name and address
- D – ISO 4 abbreviated title of the periodical according to the database ISSN Online
- E – ISSN Number
- F – Indication of language of the periodical by using the following symbols:

“de” for German	“ja” for Japanese
“en” for English	“ko” for Korean
“es” for Spanish	“nl” Dutch
“fr” for French	“pt” for Portuguese
“it” for Italian	“ru” for Russian
	“zh” for Chinese

- G – Year when the periodical was first included in the list
- H – Range/activity period
- I – Indication of website internet address(es) where one or more of the following is possible:
 - (a) information about the periodical;
 - (b) searching the contents of the periodical; and
 - (c) browsing the articles of the periodical.

The internet addresses were verified during June 2020. Internet addresses may change, or become unavailable, over time.

- J – Comments

2. The titles of the periodicals are arranged in ascending order of the PCT identification number, subject to the following:

(i) when several editions of a periodical exist in different languages (e.g., by cover-to-cover translation), the periodical is listed according to the title of the English edition, if any, together with the original title in parentheses. If no English edition exists, the original title is used for the purposes of the list;

(ii) where the title of a periodical has changed, or the periodical has merged or split, the PCT identification number is retained, where practical.

3. Where the title of a periodical has changed, only the new title, is indicated in the list in column A. Where there is a former title, the most recent former title is shown in column “J – *comments*” together with the previous ISSN number and the year the former title ended. For example refer to PCT Identification Number 10:

ex Industrial & Engineering Chemistry – ISSN: 0096-4484, end date: 1946

An ex precedes the former title. In the case, of there being more than one former title, only the most recent former title is given except in exceptional circumstances (to avoid confusion).

4. If the journal has more than one current name, there is provided the name of the title in English and the name in the language other than English, separated by a forward slash. An example of this can be seen in PCT Identification Number 185:

Technical Physics Letters / Pis'ma v Zhurnal Tekhnicheskoy Fiziki

The names of Japanese / Russian publishers are indicated in English, followed by a transliteration of the Japanese / Russian name into Latin characters in parentheses. An example of this can be seen in PCT Identification Number 033:

Chemical Society of Japan; (Nippon Kagakukai)

5. Further information on the titles, abbreviations, ISSN numbers, publishers and selection of abbreviations for the titles of periodicals in this list can be obtained (at the time of publication of this document) through:

- ISSN online website at <https://www.issn.org/> ;
- UlrichsWeb™ Global Serials Directory website at <http://ulrichsweb.serialssolutions.com/login>;
- Genamics™ JournalSeek website (freely available) at <http://journalseek.net/>; and
- the specific websites (or their respective publishing houses) stated for each entry. Most of the websites listed under column "I" contain freely available information about the title.

6. For reference purposes, Appendix 1 to the current list of periodicals contains all the periodicals which have been deleted from the original list, including those journals for which publication has been discontinued. The year of deletion or discontinuation is given under letter code "H" of each entry. Appendix 2 contains an alphabetical index in order to facilitate the location of "active" periodicals and their abbreviated titles for which the PCT identification number is not immediately known.

[List of periodicals follows]

PCT MINIMUM DOCUMENTATION – LIST OF PERIODICALS:
PERIODICALS TO BE USED FOR SEARCH AND EXAMINATION

- A – 001
B – **Journal of the Acoustical Society of America**
C – AIP Publishing LLC
Suite 300, 1305 Walt Whitman Road, Melville, NY 11747, USA
D – J. Acoust. Soc. Am.
E – Print: 0001-4966 Online: 1520-8524
F – en
G – 1981
H – 1929 -
I – <https://asa.scitation.org/journal/jas>
- A – 005
B – **Bioscience, Biotechnology and Biochemistry**
C – Taylor & Francis Group
2&4 Park Sq, Milton Park, Abingdon, Oxfordshire OX14 4RN United Kingdom
D – Biosci. Biotechnol. Biochem.
E – Print: 0916-8451 Online: 1347-6947
F – en
G – 1981
H – 1924 -
I – <https://www.tandfonline.com/loi/tbbb20>
J – ex Agricultural and Biological Chemistry - ISSN: 0002-1369, end date: 1991
- A – 007
B – **Journal of the American Ceramic Society**
C – American Ceramic Society
550 Polaris Parkway, Suite 510, Westerville, OH 43082, USA
D – J. Am. Ceram. Soc.
E – Print: 0002-7820 Online: 1551-2916
F – en
G – 1981
H – 1918 -
I – <https://ceramics.onlinelibrary.wiley.com/journal/15512916>
- A – 008
B – **Journal of the American Chemical Society**
C – American Chemical Society, Publications Support Services
1155 16th Street, NW, Washington, DC 20036, USA
D – J. Am. Chem. Soc.
E – Print: 0002-7863 Online: 1520-5126
F – en
G – 1981
H – 1879 -
I – <https://pubs.acs.org/journal/jacsat>

- A – 010
- B – **Analytical Chemistry**
- C – American Chemical Society, Publications Support Services
1155 16th Street, NW, Washington, DC 20036, USA
- D – Anal. Chem.
- E – Print: 0003-2700 Online: 1520-6882
- F – en
- G – 1981
- H – 1929 -
- I – <https://pubs.acs.org/journal/ancham>
- J – ex Industrial & Engineering Chemistry Analytical Edition - ISSN: 0096-4484, end date: 1946

- A – 011
- B – **Angewandte Chemie (International Edition) / Angewandte Chemie**
- C – Wiley - VCH Verlag GmbH & Co. KGaA
Postfach 101161, Weinheim, 69451, Germany
- D – Angew. Chem. Int. Ed. / Angew. Chem.
- E – Print: 1433-7851 / 0044-8249 Online: 1521-3773 / 1521-3757
- F – en, de
- G – 1981
- H – 1962 - / 1887 -
- I – <https://onlinelibrary.wiley.com/journal/15213773>
- J – ex Angewandte Chemie. International edition in English - ISSN: 0570-0833, end date: 1997 /
ex Angewandte Chemie. A, Wissenschaftlicher Teil - ISSN: 0170-9046, end date: 1948

- A – 013
- B – **Applied Optics**
- C – The Optical Society (OSA)
2010 Massachusetts Avenue, NW, Washington, DC 20036-1012, USA
- D – Appl. Opt.
- E – Print: 1559-128X Online: 2155-3165
- F – en
- G – 1981
- H – 1962 -
- I – <https://www.osapublishing.org/ao/home.cfm>
- J – Formed in 2003 from the merger of:
Applied Optics. Information Processing – ISSN: 1540-8973, range 1990-2003
Applied Optics. Optical Technology and Biomedical Optics – ISSN: 1540-8981, range 1995-2003
Applied Optics. Lasers, Photonics and Environmental Optics – ISSN: 1540-899X, range 1990-2003
The above periodicals superseded the journal Applied Optics – ISSN: 0003-6935, range 1962-1989

- A – 014
- B – **Applied Physics Letters**
- C – AIP Publishing LLC
1305 Walt Whitman Road, Suite 300, Melville, NY 11747, USA
- D – Appl. Phys. Lett.
- E – Print: 0003-6951 Online: 1077-3118
- F – en
- G – 1981
- H – 1962 -
- I – <https://aip.scitation.org/journal/apl>

A – 017
B – **ATZ. Automobiltechnische Zeitschrift**
C – Springer
Abraham-Lincoln-Str. 46, D-65189 Wiesbaden, Germany
D – ATZ. Automobiltech. Z.
E – Print: 0001-2785 Online: 2192-8800
F – de, en
G – 1981
H – 1898 -
I – <https://www.springer.com/journal/35148>

A – 020
B – **Aviation Week and Space Technology**
C – Aviation Week Network
2 Penn Plz, 25th Fl, New York, NY 10021, USA
D – Aviat. Week Space Technol.
E – Print: 0005-2175
F – en
G – 1981
H – 1916 -
I – <https://aviationweek.com/AWST>
J – ex Aviation Week, including space technology - ISSN: 1042-1688, end date: 1960

A – 027
B – **Chemical & Engineering News**
C – American Chemical Society, Publications Support Services
1155 16th Street, NW, Washington, DC 20036, USA
D – Chem. Eng. News
E – Print: 0009-2347 Online: 1520-605X
F – en
G – 1981
H – 1923 -
I – <https://cen.acs.org/index.html>
J – ex News edition - American Chemical Society - ISSN: 0097-6415, end date: 1941

A – 028
B – **Chemical and Pharmaceutical Bulletin**
C – Pharmaceutical Society of Japan
2-12-15, Shibuya, Shibuya-ku, Tokyo 150-0002, Japan
D – Chem. Pharm. Bull.
E – Print: 0009-2363 Online: 1347-5223
F – en
G – 1981
H – 1953 -
I – <https://cpb.pharm.or.jp> <https://www.jstage.jst.go.jp/browse/cpb/-char/en>
J – ex Pharmaceutical Bulletin - ISSN: 0369-9471, end date: 1957

A – 029
B – **Chemical Engineering**
C – Access Intelligence LLC
4 Choke Cherry Rd, 2nd Fl, Rockville, MD 20850, USA
D – Chem. Eng.
E – Print: 0009-2460
F – en
G – 1981
H – 1902 -
I – <https://www.chemengonline.com>
J – ex Chemical & Metallurgical Engineering - ISSN: 0095-8476, end date: 1946

- A – 031
- B – **Chemical Reviews**
- C – American Chemical Society, Publications Support Services
1155 16th Street, NW, Washington, DC 20036, USA
- D – Chem. Rev.
- E – Print: 0009-2665 Online: 1520-6890
- F – en
- G – 1981
- H – 1924 -
- I – <https://pubs.acs.org/journals/chreay>

- A – 032
- B – (A) **Chemical Communications**
(B) **Dalton Transactions**
(C) **Physical Chemistry Chemical Physics**
(D) **Organic & Biomolecular Chemistry**
- C – The Royal Society of Chemistry
Thomas Graham House, Science Park, Milton Rd, Cambridge, CB4 0WF, United Kingdom
- D – (A) Chem. Commun.
(B) Dalton Trans.
(C) Phys. Chem. Chem. Phys.
(D) Org. Biomol. Chem.
- E – (A) Print: 1359-7345 Online: 1364-548X
(B) Print: 1477-9226 Online: 1477-9234
(C) Print: 1463-9076 Online: 1463-9084
(D) Print: 1477-0520 Online: 1477-0539
- F – en
- G – 1981
- H – 1841 -
- I – (A) <https://www.rsc.org/chemcomm>
(B) <https://www.rsc.org/dalton>
(C) <https://www.rsc.org/pccp>
(D) <https://www.rsc.org/obc>
- J – (A) ex Journal of the Chemical Society: Chemical Communications - ISSN: 0022-4936, end date: 1995
(B) ex Journal of the Chemical Society: Dalton Transactions - ISSN: 1472-7773 3033-9246 (Print), 1364-5447, 2050-5671 (Online), end date: 2002
(C) ex Journal of the Chemical Society: Faraday Transactions - ISSN: 0300-9238, end date: 1998
(D) ex Journal of the Chemical Society: Perkin Transactions I - ISSN: 0300-922X 1472-7781 (Print), 1364-5463 (Online) end date: 2002
(E) ex Journal of the Chemical Society: Perkin Transactions II - ISSN: 0300-9580 1472-779X (Print), 1364-5471 (Online) end date: 2002 ⁽¹⁾

- A – 033
- B – **Bulletin of the Chemical Society of Japan**
- C – Chemical Society of Japan; (Nippon Kagakukai)
1-5, Kanda-Surugadai 1-Chome, Chiyoda-ku, Tokyo, 101-0062, Japan
- D – Bull. Chem. Soc. Jpn.
- E – Print: 0009-2673 Online: 1348-0634
- F – en
- G – 1981
- H – 1926 -
- I – <https://www.journal.csj.jp/journal/bcsj>

⁽¹⁾ The five sections of the *Journal of the Chemical Society*, relating to PCT identification number 032, are now published as four separate titles. The ISSN numbers and end dates of the former 5 sections of the *Journal of the Chemical Society* are shown. Previous titles (D) and (E) *Perkin Transactions I & II* have merged to become current title (D) *Organic & Biomolecular Chemistry*.

A – 035
B – **Chemie-Ingenieur-Technik**
C – Wiley - VCH Verlag GmbH & Co. KGaA
Postfach 101161, Weinheim, 69451, Germany
D – Chem. Ing. Tech.
E – Print: 0009-286X Online: 1522-2640
F – de
G – 1981
H – 1928 -
I – <https://onlinelibrary.wiley.com/journal/15222640>

A – 038
B – **Chemistry & Industry**
C – Wiley-Blackwell Publishing Ltd
The Atrium, Southern Gate, Chichester, West Sussex PO19 8QG United Kingdom
D – Chem. Ind.
E – Print: 0009-3068 Online: 2047-6329
F – en
G – 1981
H – 1881 -
I – <https://onlinelibrary.wiley.com/journal/20476329>

A – 041
B – **ChemPlusChem**
C – Wiley - VCH Verlag GmbH & Co. KGaA
Postfach 101161, Weinheim, 69451, Germany
D – ChemPlusChem
E – Online: 2192-6506
F – en
G – 1981
H – 1919 -
I – <https://chemistry-europe.onlinelibrary.wiley.com/journal/21926506>
J – ex Collection of Czechoslovak Chemical Communication – ISSN: 0010-0765, end date: 2012.

A – 045
B – **Control Engineering**
C – C F E Media 1111 W. 22nd St., Ste.250, Oak Brook, IL 60523, USA
D – Control Eng.
E – Print: 0010-8049 Online: 2163-4076
F – en
G – 1981
H – 1954 -
I – <https://www.controleng.com>

A – 048
B – **Journal of the Electrochemical Society**
C – IOP Publishing Ltd
Temple Circus, Temple Way, Bristol, BS1 6HG, United Kingdom
D – J. Electrochem. Soc.
E – Print: 0013-4651 Online: 1945-7111
F – en
G – 1981
H – 1902 -
I – <https://iopscience.iop.org/journal/1945-7111>

A – 049
B – **Electronic Design**
C – Penton
1300 E. 9th St., Cleveland OH 44114, USA
D – Electron. Des.
E – Print: 0013-4872
F – en
G – 1981
H – 1952 -
I – <https://www.electronicdesign.com/>

A – 062
B – **IBM Journal of Research and Development**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IBM J. Res. Develop.
E – Print: 0018-8646 Online: 2151-8556
F – en
G – 1981
H – 1957 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=5288520> <http://www.research.ibm.com/journal/>

A – 064
B – **IEEE Journal of Quantum Electronics**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE J. Quantum Electron.
E – Print: 0018-9197 Online: 1558-1713
F – en
G – 1981
H – 1965 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=3>

A – 065
B – **IEEE Journal of Solid State Circuits**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE J. Solid-State Circuits
E – Print: 0018-9200 Online: 1558-173X
F – en
G – 1981
H – 1966 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=4>

- A – 066
- B – **Proceedings of the IEEE**
- C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
- D – Proc. IEEE
- E – Print: 0018-9219 Online: 1558-2256
- F – en
- G – 1981
- H – 1913 -
- I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=5>
- J – ex Proceedings of the IRE - ISSN: 0096-8390, end date: 1962

- A – 067
- B – **IEEE Spectrum**
- C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
- D – IEEE Spectr.
- E – Print: 0018-9235 Online: 1939-9340
- F – en
- G – 1981
- H – 1905 -
- I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6> <https://www.spectrum.ieee.org/>
- J – ex Electrical Engineering - ISSN: 0095-9197, end date: 1963

- A – 068
- B – **IEEE Transactions on Aerospace and Electronic Systems**
- C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
- D – IEEE Trans. Aerosp. Electron. Syst.
- E – Print: 0018-9251 Online: 1557-9603
- F – en
- G – 1981
- H – 1965 -
- I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=7>

- A – 069
- B – **IEEE Transactions on Signal Processing**
- C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
- D – IEEE Trans. Signal Process.
- E – Print: 1053-587X Online: 1941-0476
- F – en
- G – 1981
- H – 1950 -
- I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=78>
- J – ex IEEE Transactions on Acoustics, Speech and Signal Processing - ISSN: 0096-3518, end date: 1990

- A – 071
- B – **IEEE Transactions on Biomedical Engineering**
- C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
- D – IEEE Trans. Biomed. Eng.
- E – Print: 0018-9294 Online: 1558-2531
- F – en
- G – 1981
- H – 1953 -
- H – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=10>
- I – ex IEEE Transactions on Bio-Medical Electronics - ISSN: 0096-0616, end date: 1963

A – 072
B – **IEEE Transactions on Consumer Electronics**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE Trans. Consum. Electron.
E – Print: 0098-3063 Online: 1558-4127
F – en
G – 1981
H – 1952 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=30>
J – ex IEEE Transactions on Broadcast and Television Receivers - ISSN: 0018-9308, end date: 1974

A – 073
B – **IEEE Transactions on Communications**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE Trans. Commun.
E – Print: 0090-6778 Online: 1558-0857
F – en
G – 1981
H – 1953 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=26>
J – ex IEEE Transactions on Communication Technology - ISSN: 0018-9332, end date: 1971

A – 074
B – **IEEE Transactions on Computers**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE Trans. Comput.
E – Print: 0018-9340 Online: 1557-9956
F – en
G – 1981
H – 1952 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=12>
J – ex IEEE Transactions on Electronic Computers - ISSN: 0367-7508, end date: 1967

A – 075
B – **IEEE Transactions on Electron Devices**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE Trans. Electron Devices
E – Print: 0018-9383 Online: 1557-9646
F – en
G – 1981
H – 1952 -
H – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=16>
I – ex IRE Transactions on Electronic Devices - ISSN: 0096-2430, end date: 1962

- A – 077
B – **IEEE Transactions on Instrumentation and Measurement**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE Trans. Instrum. Meas.
E – Print: 0018-9456 Online: 1557-9662
F – en
G – 1981
H – 1952 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=19>
J – ex IRE Transactions on Instrumentation - ISSN: 0096-2260, end date: 1962
- A – 078
B – **IEEE Transactions on Microwave Theory and Techniques**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE Trans. Microw. Theory Tech.
E – Print: 0018-9480 Online: 1557-9670
F – en
G – 1981
H – 1953 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=22>
J – ex IRE Transactions on Microwave Theory and Techniques - ISSN: 0097-2002, end date: 1962
- A – 079
B – **IEEE Transactions on Components, Packaging and Manufacturing Technology**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE Trans. Compon. Packaging Manuf. Technol.
E – Print: 1521-3331 Online: 2156-3985
F – en
G – 1981
H – 1954 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=5503870>
J – Formed by the merger in 2011 of 3 journals under PCT identification number 079:
(A) IEEE Transactions on Components and Packaging Technology – ISSN: 1521-3331
(B) IEEE Transactions on Advanced Packaging – ISSN: 1521-3323
(C) IEEE Transactions on Electronics Packaging Manufacturing – ISSN: 1521-334X
- A – 081
B – **IEEE Transactions on Ultrasonics, Ferroelectrics and Frequency Control**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE Trans. Ultrason. Ferroelectr. Freq. Control
E – Print: 0885-3010 Online: 1525-8955
F – en
G – 1981
H – 1954 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=58>
J – ex IEEE Transactions on Sonics and Ultrasonics - ISSN: 0018-9537, end date: 1985

- A – 083
B – **Industrial & Engineering Chemistry Research**
C – American Chemical Society
1155, 16th Street, NW, Washington, DC 20036, USA
D – Ind. Eng. Chem. Res.
E – Print: 0888-5885 Online: 1520-5045
F – en
G – 1981
H – 1909 -
I – <https://pubs.acs.org/journal/iecred>
- A – 085
B – (A) **IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences**
(B) **IEICE Transactions on Communications**
(C) **IEICE Transactions on Electronics**
(D) **IEICE Transactions on Information and Systems**
C – Denshi Jouhou Tsuushin Gakkai / Institute of Electronics Information and Communication Engineers IEICE
Publishing Office, Kikai-Shinko-Kaikan Bldg., Annex 3F, Tokyo, 105-0011 Japan
D – (A) IEICE Trans. Fundam. Electron. Commun. Comput. Sci.
(B) IEICE Trans. Commun.
(C) IEICE Trans. Electron.
(D) IEICE Trans. Inf. Syst.
E – (A) Print: 0916-8508 Online: 1745-1337
(B) Print: 0916-8516 Online: 1745-1345
(C) Print: 0916-8524 Online: 1745-1353
(D) Print: 0916-8532 Online: 1745-1361
F – en
G – 1981
H – 1976 -
I – (A) <https://search.ieice.org/bin/index.php?category=A&lang=E&curr=1>
(B) <https://search.ieice.org/bin/index.php?category=B&lang=E&curr=1>
(C) <https://search.ieice.org/bin/index.php?category=C&lang=E&curr=1>
(D) <https://search.ieice.org/bin/index.php?category=D&lang=E&curr=1>
J – The four titles were split from the previous title IEICE Transactions - ISSN: 0917-1673, end date: 1991.
IEICE Transactions continued Transactions of the Institute of Electronics, Information and Communication Engineers - ISSN: 0913-574X, end date: 1990.
- A – 090
B – **Japanese Journal of Applied Physics**
C – IOP Publishing Ltd
Temple Circus, Temple Way, Bristol, BS1 6HG, United Kingdom
D – Jpn. J. Appl. Phys.
E – Print: 0021-4922 Online: 1347-4065
F – en
G – 1981
H – 1962 -
I – <https://iopscience.iop.org/journal/1347-4065>
J – ex Japanese Journal of Applied Physics: Part 1. Regular Papers & Short Notes (Japan) - ISSN: 0252-9262, end date: 2008

A – 091
B – **Kobunshi Ronbunshu / Japanese Journal of Polymer Science and Engineering**
C – Society of Polymer Science, Japan; (Nihon Kobunshi Gakkai)
Shintomicho-Tokyu Bldg., 3-10-9 Irifune, Chuo-ku, Tokyo, 104-0042, Japan
D – Kobunshi Ronbunshu
E – Print: 0386-2186 Online: 1881-5685 / Print: 0149-9025
F – ja, en
G – 1981
H – 1944 - 2019
I – <https://www.jstage.jst.go.jp/browse/koron>
J – ex Kobunshi Kagaku - ISSN: 0023-2556, end date: 1973

A – 092
B – **Journal of Agricultural and Food Chemistry**
C – American Chemical Society
1155, 16th Street, NW, Washington, DC 20036, USA
D – J. Agric. Food Chem.
E – Print: 0021-8561 Online: 1520-5118
F – en
G – 1981
H – 1953 -
I – <https://pubs.acs.org/journal/jafcau>

A – 095
B – **Russian Journal of Applied Chemistry / Журнал прикладной химии**
C – MAIK Nauka – Interperiodica; (S.-Peterburgskoe Otdelenie)
Profsoyuznaya ul. 90, Moscow, 117997, Russian Federation
D – Russ. J. Appl. Chem. / Ж. Прикл. Хим.
E – Print: 1070-4272 / 0044-4618 Online: 1608-3296
F – en / ru
G – 1981
H – 1928 -
I – <https://pleiades.online/en/journal/rjapchem> <http://j-applchem.ru/?p=1>
I – ex Journal of Applied Chemistry of Russia - ISSN: 0021-888X, end date: 1992

A – 096
B – **Journal of Applied Physics**
C – AIP Publishing LLC
1305 Walt Whitman Road, Suite 300, Melville, NY 11747, USA
D – J. Appl. Phys.
E – Print: 0021-8979 Online: 1089-7550
F – en
G – 1981
H – 1929 -
I – <https://aip.scitation.org/journal/jap>

A – 097
B – **Journal of Applied Polymer Science**
C – John Wiley & Sons, Inc
111 River Street, Hoboken, NJ 07030-5774, USA
D – J. Appl. Polym. Sci.
E – Print: 0021-8995 Online: 1097-4628
F – en
G – 1981
I – 1959 -
I – <https://onlinelibrary.wiley.com/journal/10974628>

A – 098
B – **Journal of Chromatography B, Analytical Technologies in the Biomedical and Life Sciences**
C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
D – J. Chromatogr. B
E – Print: 1570-0232 Online: 1873-376X
F – en
G – 1981
H – 1977 -
I – <https://www.journals.elsevier.com/journal-of-chromatography-b>
J – ex Journal of Chromatography. B, Biomedical Sciences and Applications - ISSN: 1387-2273, end date: 2001

A – 100
B – **Russian Journal of General Chemistry / Журнал общей химии**
C – MAIK Nauka Interperiodica; (S.-Peterburgskoe Otdelenie)
Profsoyuznaya ul. 90, Moscow, 117997, Russian Federation
D – Rus. J. Gen. Chem. / Ж. Общ. Хим.
E – Print: 1070-3632 / 0044-460X Online: 1608-3350
F – en / ru
G – 1981
H – 1931 -
I – <https://www.pleiades.online/en/journal/genchem> <http://genchem.ru>
J – ex Journal of General Chemistry of the USSR - ISSN: 0022-1279, end date: 1992

A – 102
B – **JOM**
C – Springer
1 New York Plaza, Suite 4500 New York, NY 10004-1562 USA
D – JOM
E – Print: 1047-4838 Online: 1543-1851
F – en
G – 1981
H – 1949 -
I – <https://www.springer.com/journal/11837>
J – ex Journal of Metals - ISSN: 0148-6608, end date: 1988

A – 103
B – **The Journal of Organic Chemistry**
C – American Chemical Society, Publications Support Services
1155, 16th Street, NW, Washington, DC 20036, USA
D – J. Org. Chem.
E – Print: 0022-3263 Online: 1520-6904
F – en
G – 1981
H – 1936 -
I – <https://pubs.acs.org/journals/joceah>

A – 104
B – **Journal of Organometallic Chemistry**
C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
D – J. Organomet. Chem.
E – Print: 0022-328X Online: 1872-8561
F – en
G – 1981
H – 1963 -
I – <https://www.journals.elsevier.com/journal-of-organometallic-chemistry>

- A – 106
- B – **Measurement Science and Technology**
- C – Institute of Physics Publishing
Temple Circus, Temple Way, Bristol, BS1 6HG, United Kingdom
- D – Meas. Sci. Technol.
- E – Print: 0957-0233 Online: 1361-6501
- F – en
- G – 1981
- H – 1922 -
- I – <https://iopscience.iop.org/journal/0957-0233>
- J – ex Journal of Physics: Part E - Scientific Instruments - ISSN: 0022-3735, end date: 1989

- A – 107
- B – **Journal of Polymer Science**
- C – John Wiley & Sons, Inc
111 River Street, Hoboken, NJ 07030, USA
- D – J. Polym. Sci.
- E – Print: 2642-4150 Online: 2642-4169
- F – en
- G – 1981
- H – 1946 -
- I – <https://onlinelibrary.wiley.com/journal/26424169>
- J – Formed in 2020 from the merger of 2 journals under PCT identification number 107:
(A) Journal of Polymer Science, Part A: Polymer Chemistry ISSN: 0887-624X (print), 1099-0518 (online)
(B) Journal of Polymer Science, Part B: Polymer Physics ISSN: 0887-6266 (print), 1099-0488 (online)

- A – 108
- B – **European Journal of Organic Chemistry**
- C – Wiley - VCH Verlag GmbH & Co. KGaA
Postfach 101161, Weinheim, 69451, Germany
- D – Eur. J. Org. Chem.
- E – Print: 1434-193X Online: 1099-0690
- F – en
- G – 1981
- H – 1853 -
- I – <https://chemistry-europe.onlinelibrary.wiley.com/journal/10990690>
- J – ex Recueil des Travaux Chimiques des Pays-Bas - ISSN: 0165-0513, end date: 1996
ex Bulletin de la Société Chimique de France - ISSN: 0037-8968, end date: 1997 ⁽²⁾

- A – 110
- B – **Kunststoffe International: magazine for plastics**
- C – Carl Hanser Verlag GmbH & Co. KG
Kolbergerstr. 22, Munich, 81679, Germany
- D – Kunststoffe Int.
- E – Print: 1862-4243
- F – en
- G – 1981
- H – 1961 -
- I – <https://www.kunststoffe.de/en/the-journal>
- J – ex Kunststoffe, Plast Europe – ISSN: 0945-0084, end date: 2005

⁽²⁾ PCT Identification Numbers 108 and 232 are a continuation of PCT Identification Number 170.

- A – 112
- B – **Machine Design**
- C – Penton
1300 E. 9th St., Cleveland OH 44114, USA
- D – Mach. Des.
- E – Print: 0024-9114 Online: 1944-9577
- F – en
- G – 1981
- H – 1929 -
- I – <https://www.machinedesign.com>

- A – 126
- B – (A) **Journal of the Optical Society of America A - Optics, Image Science, and Vision**
(B) **Journal of the Optical Society of America B - Optical Physics**
- C – Optical Society of America
2010 Massachusetts Avenue, NW, Washington, DC 20036-1023, USA
- D – (A) J. Opt. Soc. Am. A, Opt. Image Sci. Vis.
(B) J. Opt. Soc. Am. B, Opt. Phys.
- E – (A) Print: 1084-7529 Online: 1520-8532
(B) Print: 0740-3224 Online: 1520-8540
- F – en
- G – 1981
- H – 1917 -
- I – (A) <https://josaa.osa.org/journal/josaa/about.cfm>
(B) <https://josab.osa.org/journal/josab/about.cfm>
- J – ex Journal of the Optical Society of America. A, Optics and Image Science - ISSN: 0740-3232, end date: 1993

- A – 127
- B – **Optics and Spectroscopy / Optika i spektroskopiâ**
- C – MAIK Nauka Interperiodica
Profsoyuznaya ul. 90, Moscow, 117997, Russian Federation
- D – Opt. Spectrosc. / Opt. Spektrosk.
- E – Print: 0030-400X / 0030-4034 Online: 1562-6911
- F – en / ru
- G – 1981
- H – 1959 -
- I – <https://www.pleiades.online/en/journal/optics>

- A – 131
- B – (A) **Physical Review and Physical Review Letters Index**
(B) **Physical Review. B, Condensed Matter and Materials Physics**
(C) **Physical Review. C, Nuclear Physics**
(D) **Physical Review. D, Particles, Gravitation, and Cosmology**
- C – American Physical Society
One Physics Ellipse, College Park, MD 20740-3843, USA
- D – (A) Phys. Rev. and Phys. Rev. Lett. index
(B) Phys. Rev. B
(C) Phys. Rev. C
(D) Phys. Rev. D
- E – (A) Print: 0094-0003
(B) Print: 1098-0121 Online: 1550-235X
(C) Print: 0556-2813 Online: 1089-490X
(D) Print: 0556-2821 Online: 2470-0079
- F – en
- G – 1981
- H – 1893 -
- I – (A) <https://journals.aps.org/prl> and <https://journals.aps.org/about>
(B) <https://journals.aps.org/prb>
(C) <https://journals.aps.org/prc>
(D) <https://journals.aps.org/prd>
- J – (B) ex Physical Review. B, Condensed Matter - ISSN: 0163-1829, end date: 1997

- A – 132
- B – **Plastverarbeiter**
- C – Huethig GmbH & Co. KG
Postfach 102869, Heidelberg, 69018, Germany
- D – Plastverarbeiter
- E – Print: 0032-1338
- F – de
- G – 1981
- H – 1949 -
- I – <https://www.plastverarbeiter.de/hefte>

- A – 134
- B – (A) **Polymer Science – Series A Polymer Physics / Vysokomolekulârne Soedineniâ. Seriya A. Fizika Polimerov**
(B) **Polymer Science – Series B Polymer Chemistry / Vysokomolekulârne Soedineniâ. Seriya B. Khimiya Polimerov**
- C – MAIK Nauka - Interperiodica
Profsoyuznaya ul 90, Moscow, 117997, Russian Federation
- D – (A) Polymer Science, Series A
(B) Polymer Science, Series B
- E – (A) Print: 0965-545X Online: 1555-6107 (en) / Print: 2308-1120 Online: 2412-9844 (ru)
(B) Print: 1560-0904 Online: 1555-6123 (en) / Print: 2308-1139 Online: 2412-9844 (ru)
- F – en / ru
- G – 1981
- H – 1959 -
- I – (A) <https://www.springer.com/journal/11498>
(B) <https://www.springer.com/journal/11499> https://www.elibrary.ru/title_about.asp?id=9424
- J – ex Vysokomolekulârne Soedineniâ. Seria A i Seria – ISSN: 1023-3091, end date: 2014
ex Polymer Science USSR - ISSN: 0032-3950, end date: 1991

- A – 135
- B – **Power**
- C – The Tradefair Group, Inc
11000 Richmond, Ste 500, Houston TX 77042, USA
- D – Power
- E – Print: 0032-5929 Online: 1936-7791
- F – en
- G – 1981
- H – 1882 -
- I – <https://www.powermag.com>
- J – Incorporates in 2007: International Power Generation – ISSN: 0141-1918, range: 1977-2007
Middle East Electricity – ISSN: 0309-4707, range: 1976-2007 and
European Power News – ISSN:0261-8214 , range: 1981-2007

- A – 139
- B – **Review of Scientific Instruments**
- C – AIP Publishing LLC
1305 Walt Whitman Road, Suite 300, Melville, NY 11747-4502, USA
- D – Rev. Sci. Instrum.
- E – Print: 0034-6748 Online: 1089-7623
- F – en
- G – 1981
- H – 1930 -
- I – <https://aip.scitation.org/journal/rsi>

- A – 141
- B – **Rubber Chemistry and Technology**
- C – American Chemical Society, Rubber Division
306 N. Cleveland Massillon Rd, Commonwealth Square, Akron, OH 44333, USA
- D – Rubber Chem. Technol.
- E – Print: 0035-9475 Online: 1943-4804
- F – en
- G – 1981
- H – 1928 -
- I – <https://meridian.allenpress.com/rct>

- A – 144
- B – **Automotive Engineering**
- C – SAE Inc
400 Commonwealth Drive, Warrendale, PA 15096-0001, USA
- D – Automot. Eng.
- E – Print: 2331-7639 Online: 2331-7647
- F – en
- G – 1981
- H – 1917 -
- I – <https://www.sae.org/publications/magazines/automotive-engineering>
- J – ex Automotive Engineering International (Print) - ISSN: 1543-849X, end date: 2014

- A – 145
- B – **Scientific American**
- C – Scientific American, Inc
1 New York Plaza, Suite 4500 New York, NY 10004-1562 USA
- D – Sci. Am.
- E – Print: 0036-8733 Online: 1946-8087
- F – en
- G – 1981
- H – 1845 -
- I – <https://www.scientificamerican.com>

- A – 147
- B – **SMPTE Motion Imaging Journal**
- C – Society of Motion Picture and Television Engineers
3 Barker Avenue, 5th Floor, White Plains, New York 10601, USA
- D – SMPTE Motion Imaging J.
- E – Print: 1545-0279 Online: 2160-2492
- F – en
- G – 1981
- H – 1916 -
- I – <https://www.smpte.org/publications/journal>
<https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7261654>
- J – ex SMPTE Journal – ISSN: 0036-1682, end date: 2002

- A – 148
- B – **Coloration Technology**
- C – Wiley-Blackwell Publishing Ltd
The Atrium, Southern Gate, Chichester, West Sussex PO19 8QG United Kingdom
- D – Color. Technol.
- E – Print: 1472-3581 Online: 1478-4408
- F – en
- G – 1981
- H – 1884 -
- I – <https://onlinelibrary.wiley.com/journal/14784408>
- J – ex Journal of the Society of Dyers and Colourists - ISSN: 0037-9859, end date: 2000

- A – 149
- B – **Solid-State Electronics**
- C – Elsevier BV Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
- D – Solid-State Electron.
- E – Print: 0038-1101 Online: 1879-2405
- F – en
- G – 1981
- H – 1960 -
- I – <https://www.journals.elsevier.com/solid-state-electronics>

- A – 150
- B – **Solid State Technology**
- C – PennWell Company
1421 S Sheridan Rd, Tulsa, OK 74112, USA
- D – Solid State Technol.
- E – Print: 0038-111X
- F – en
- G – 1981
- H – 1958 -
- I – <https://sst.semiconductor-digest.com>
- J – ex Semiconductor Products and Solid State Technology - ISSN: 0096-3631, end date: 1967

A – 156
B – **Stahl und Eisen**
C – Verlag-Stahleisen-GmbH
Sohnstr 65, Duesseldorf, 40237, Germany
D – Stahl und Eisen
E – Print: 0340-4803
F – en, de
G – 1981
H – 1881 -
I – <https://www.stahleisen.de>

A – 157
B – **Steroids**
C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
D – Steroids
E – Print: 0039-128X Online: 1878-5867
F – en
G – 1981
H – 1963 -
I – <https://www.journals.elsevier.com/steroids>

A – 158
B – **TAPPI Journal**
C – TAPPI - Technical Association of the Pulp and Paper Industry
15 Technology Parkway S., Suite 115, Peachtree Corners, GA 30092, USA
D – TAPPI J.
E – Print: 1933-3684
F – en
G – 1981
H – 1982 -
I – <https://www.tappi.org/publications-standards/tappi-journal/home>
J – ex TAPPI - ISSN: 0039-8241, end date: 1982

A – 159
B – **Tetrahedron**
C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
D – Tetrahedron
E – Print: 0040-4020 Online: 1464-5416
F – en
G – 1981
H – 1957 -
I – <https://www.journals.elsevier.com/tetrahedron>

A – 160
B – **Tetrahedron Letters**
C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
D – Tetrahedron Lett.
E – Print: 0040-4039 Online: 1873-3581
F – en
G – 1981
H – 1957 -
I – <https://www.journals.elsevier.com/tetrahedron-letters>

- A – 163
B – **Textile Research Journal**
C – Sage Publications Ltd.
1 Oliver's Yard, 55 City Rd, London, EC1Y 1SP United Kingdom
D – Tex. Res. J.
E – Print: 0040-5175 Online: 1746-7748
F – en
G – 1981
H – 1931 -
H – <https://journals.sagepub.com/home/trj>
I – ex Textile Research - ISSN: 0096-5928, end date: 1945
- A – 164
B – **VDI-Z**
C – VDI Fachmedien GmbH & Co. KG
VDI-Platz 1, Düsseldorf, 40468, Germany
D – VDI-Z
E – Print: 0042-1766
F – de
G – 1981
H – <https://www.ingenieur.de/fachmedien/vdi-z>
I – ex VDI-Zeitschrift - ISSN: 0372-543X, end date: 1968
- A – 165
B – **Water Environment Research**
C – Water Environment Federation
601 Wythe Street, Alexandria, VA, 22314-1994, USA
D – Water Environ. Res.
E – Print: 1061-4303 Online: 1554-7531
F – en
G – 1981
H – 1928 -
H – <https://onlinelibrary.wiley.com/journal/15547531>
I – ex Research Journal of the Water Pollution Control Federation - ISSN: 1047-7624, end date: 1991
- A – 168
B – **Electronics World**
C – Datateam Business Media 15A London Rd, Maidstone ME16 8LY, United Kingdom
D – Electron. World
E – Print: 1365-4675
F – en
G – 1981
H – 1913 -
I – <https://www.electronicsworld.co.uk/magazines>
J – ex Electronics + Wireless World - ISSN: 0959-8332, end date: 1996
- A – 171
B – **REE. Revue de l'Électricité et de l'Électronique**
C – Societe de l'Electricite, de l'Electronique et des Technologies de l'Information et de la Communication
17 rue de l'Amiral Hamelin 75783 Paris Cedex 16, France
D – REE, Rev. Electr. Electron.
E – Print: 1265-6534 Online: 2270-7042
F – fr
G – 1982
H – <https://www.see.asso.fr/ree>
I – ex Onde électrique - ISSN: 0030-2430, end date: 1995

A – 177
B – **Journal of Crystal Growth**
C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
D – J. Cryst. Growth
E – Print: 0022-0248 Online: 1873-5002
F – en
G – 1985
H – 1967 -
I – <https://www.journals.elsevier.com/journal-of-crystal-growth>

A – 178
B – **Russian Journal of Organic Chemistry / Zurnal organiceskoj himii**
C – MAIK Nauka - Interperiodica
Profsoyuznaya ul 90, Moscow, 117997, Russian Federation
D – Russ. J. Organ. Chem. / Z. Org. Him.
E – Print: 1070-4280 (en) / 0514-7492 (ru) Online: 1608-3393
F – en / ru
G – 1985
H – 1965 -
I – <https://www.pleiades.online/en/journal/orgchem> <https://sciencejournals.ru/journal/orgkhim/>
J – ex Journal of Organic Chemistry of the USSR - ISSN: 0022-3271, end date: 1992

A – 180
B – **Optics Communications**
C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
D – Opt. Commun.
E – Print: 0030-4018 Online: 1608-3393
F – en
G – 1985
H – 1969 -
J – <https://www.journals.elsevier.com/optics-communications>

A – 181
B – **RFE – Electrohändler: Fachmagazin für die CE- und Hausgeräte-Branche**
C – Huss-Medien GmbH
Am Friedrichshain 22, Berlin, 10407, Germany
D – ⁽³⁾
E – ⁽⁴⁾
F – de
G – 1985
H – 1954 -
I – <http://www.rfe-eh.de/nc/aktuelles/>
J – ex Electrohändler - ISSN: 1432-427X, end date: 2009
ex RFE - ISSN: 1436-1574, end date: 2009

⁽³⁾ No abbreviated title available.

⁽⁴⁾ No ISSN available.

- A – 183
- B – **Semiconductors / Fizika i tehnika poluprovodnikov**
- C – MAIK Nauka Interperiodica
Profsoyuznaya ul 90, Moscow, 117997, Russian Federation
- D – Semiconductors / Fiz. Teh. Poluprovodn.
- E – Print: 1063-7826 Online: 1090-6553 (en) / Print : 0015-3222 Online: 1726-7315 (ru)
- F – en / ru
- G – 1985
- H – 1967 -
- I – <https://www.pleiades.online/en/journal/semicnd/>
- J – ex Soviet Physics. Semiconductors - ISSN: 0038-5700, end date: 1992

- A – 185
- B – **Technical Physics Letters / Pis'ma v Zhurnal Tekhnicheskoy Fiziki**
- C – MAIK Nauka - Interperiodica
Profsoyuznaya ul 90, Moscow, 117997, Russian Federation
- D – Tech. Phys. Lett. / Pis'ma Z. Teh. Fiz.
- E – Print: 1063-7850 Online: 1090-6533 (en) / Print: 0320-0116 Online: 1726-7471
- F – en / ru
- G – 1985
- H – 1975 -
- I – <https://www.pleiades.online/en/journal/techphlt> <http://journals.ioffe.ru/journals/4>
- J – ex Soviet Technical Physics Letters - ISSN: 0360-120X, end date: 1992

- A – 195
- B – **Nature**
- C – Nature Research
The Campus, 4 Crinan St, London, N1 9XW, United Kingdom
- D – Nature
- E – Print: 0028-0836 Online: 1476-4687
- F – en
- G – 1987
- H – 1869 -
- I – <https://www.nature.com>

- A – 196
- B – **Proceedings of the National Academy of Sciences of the United States of America**
- C – National Academy of Sciences
500 Fifth St NW, NAS 340, Washington, DC 20001, USA
- D – Proc. Natl. Acad. Sci. U.S.A.
- E – Print: 0027-8424 Online: 1091-6490
- F – en
- G – 1987
- H – 1914 -
- I – <https://www.pnas.org>

- A – 197
- B – **Gene**
- C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
- D – Gene
- E – Print: 0378-1119 Online: 1879-0038
- F – en
- G – 1989
- H – 1976 -
- I – <https://www.journals.elsevier.com/gene>

A – 198
B – **Nucleic Acids Research**
C – Oxford University Press
Great Clarendon St, Oxford, OX2 6DP, United Kingdom
D – Nucleic Acids Res.
E – Print: 0305-1048 Online:1362-4962
F – en
G – 1989
H – 1974 -
I – <https://academic.oup.com/nar>

A – 199
B – **Science**
C – American Association for the Advancement of Science
1200 New York Ave, NW, Washington, DC 20005, USA
D – Science
E – Print: 0036-8075 Online: 1095-9203
F – en
G – 1989
H – 1880 -
I – <https://www.sciencemag.org>

A – 202
B – **Electronics Letters**
C – The IET - Institution of Engineering and Technology
Michael Faraday House, Six Hills Way, Stevenage, Herts, SG1 2AY, United Kingdom
D – Electron. Lett.
E – Print: 0013-5194 Online: 1350-911X
F – en
G – 1994
H – 1965 -
I – <https://digital-library.theiet.org/content/journals/el>

A – 204
B – **Elektronik**
C – WEKA Fachmedien GmbH
Richard-Reitzner-Allee, Haar, 85540, Germany
D – Elektronik
E – Print: 0013-5658
F – de
G – 1994
H – 1954 -
I – <http://www.elektroniknet.de/elektronik>

A – 205
B – **IEEE Electron Device Letters**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE Electron Device Lett.
E – Print: 0741-3106 Online: 1558-0563
F – en
G – 1994
H – 1980 -
I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=55>

A – 206
B – **Thin Solid Films**
C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
D – Thin Solid Films
E – Print: 0040-6090 Online: 1879-2731
F – en
G – 1994
H – 1967 -
H – <https://www.journals.elsevier.com/thin-solid-films>

A – 208
B – **IEEE Transactions on Nuclear Science**
C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
D – IEEE Trans. Nucl. Sci.
E – Print: 0018-9499 Online: 1558-1578
F – en
G – 1994
H – 1954 -
H – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?puNumber=23>
I – ex IRE Transactions on Nuclear Science - ISSN: 0096-2015, end date: 1962

A – 209
B – **Journal of Biological Chemistry**
C – American Society for Biochemistry and Molecular Biology, Inc.
11200 Rockville Pike, Suite 301, Rockville, MD 20852, USA
D – J. Biol. Chem.
E – Print: 0021-9258 Online: 1083-351X
F – en
G – 1994
H – 1905 -
I – <https://www.jbc.org>

A – 210
B – **Biochimica et Biophysica Acta – General Subjects**
C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
D – Biochim. Biophys. Acta Gen. Subj.
E – Print: 0304-4165 Online: 1872-8006
F – en
G – 1994
H – 1947 -
I – <https://www.journals.elsevier.com/biochimica-et-biophysica-acta-general-subjects>
J – ex Biochimica et Biophysica Acta – ISSN : 0006-0302, end date: 1963

A – 211
B – **Biochemistry**
C – American Chemical Society, Publications Support Services
1155, 16th Street, NW, Washington, DC 20036, USA
D – Biochemistry
E – Print: 0006-2960 Online: 1520-4995
F – en
G – 1994
H – 1962 -
I – <https://pubs.acs.org/journal/bichaw>

- A – 212
- B – **Cancer Research**
- C – American Association for Cancer Research
615 Chestnut St. 17th fl, Philadelphia, PA 19106, USA
- D – Cancer Res.
- E – Print: 0008-5472 Online: 1538-7445
- F – en
- G – 1994
- H – 1916 -
- I – <https://cancerres.aacrjournals.org>
- J – ex The American Journal of Cancer – ISSN : 0099-7374, end date: 1940
ex The Journal of Cancer Research – ISSN : 0099-7013, end date: 1930

- A – 213
- B – **Methods in Enzymology**
- C – Academic Press
3251 Riverport Lane, Maryland Heights, MO 63043 USA
- D – Methods Enzymol.
- E – Print: 0076-6879 Online: 1557-7988
- F – en
- G – 1994
- H – 1955 -
- I – <https://www.elsevier.com/books/book-series/methods-in-enzymology>

- A – 214
- B – **Biochemical and Biophysical Research Communications**
- C – Elsevier Inc.
1600 John F Kennedy Boulevard, Suite 1600, Philadelphia, PA 19103 2398
- D – Biochem. Biophys. Res. Commun.
- E – Print: 0006-291X Online: 1090-2104
- F – en
- G – 1994
- H – 1959 -
- I – <https://www.journals.elsevier.com/biochemical-and-biophysical-research-communications>

- A – 215
- B – **Clinical Chemistry**
- C – American Association of Clinical Chemistry
900 Seventh Street, NW Suite 400, Washington, DC 20001
- D – Clin. Chem.
- E – Print: 0009-9147 Online: 1530-8561
- F – en
- G – 1994
- H – 1949 -
- I – <https://academic.oup.com/clinchem>
- J – ex Clinical Chemist - ISSN: 0097-4005, end date: 1954

- A – 216
- B – **Journal of Immunology**
- C – American Association of Immunologists
1451 Rockville Pike, Suite 650, Rockville, MD 20852, USA
- D – J. Immunol.
- E – Print: 0022-1767 Online: 1550-6606
- F – en
- G – 1994
- H – 1916 -
- I – <https://www.jimmunol.org>

A – 217
B – **EMBO Journal**
C – EMBO Press
Meyerhofstr. 1, 69117 Heidelberg, Germany
D – EMBO J.
E – Print: 0261-4189 Online: 1460-2075
F – en
G – 1994
H – 1982 -
I – <https://www.embopress.org/journal/14602075>

A – 218
B – **Cell**
C – Cell Press
50 Hampshire St., 5th Floor, Cambridge, MA 02139, USA
D – Cell
E – Print: 0092-8674 Online: 1097-4172
F – en
G – 1994
H – 1974 -
I – <https://www.cell.com/cell/home>

A – 219
B – **Popular Science**
C – Bonnier Corporation
2 Park Avenue, NY 10016, USA
D – Pop. Sci.
E – Print: 0161-7370
F – en
G – 1994
H – 1872 -
I – <https://www.popsci.com/>

A – 220
B – **Popular Mechanics**
C – Hearst Magazines Division,
300 West 57th Street, New York, NY 10019, USA
D – Pop. Mech.
E – Print: 0032-4558
F – en
G – 1994
H – 1902 -
I – <https://www.popularmechanics.com>
I – ex Popular Mechanics magazine - ISSN: 0736-993X, end date: 1958

A – 223
B – **Plant Physiology**
C – American Society of Plant Biologists
15501 Monona Dr, Rockville, MD 20855-2768, USA
D – Plant Physiol.
E – Print: 0032-0889 Online: 1532-2548
F – en
G – 1994
H – 1926 -
I – <http://www.plantphysiol.org>

- A – 224
- B – **TR Transfer**
- C – Hallwag AG
Nordring 4, Bern, 3001, Switzerland
- D – TR-Transf.
- E – Print: 1023-0823
- F – de
- G – 1994
- H – 1908 -
- I – <https://www.technische-rundschau.ch/archiv>
- J – ex Technische Rundschau - ISSN: 0040-148X, end date: 1993

- A – 225
- B – **MPA - Messen, Prüfen, Automatisieren**
- C – Felchner Medien GmbH
Alte Steige 26, D-87600 Kaufbeuren, Germany
- D – MPA, Mess. Prüf. Autom.
- E – Print: 0945-7143
- F – de
- G – 1994
- H – 1965 -
- I – <https://mpa.felchner-medien.de>
- J – ex Messen und Prüfen - ISSN: 0937-3446, end date: 1992

- A – 226
- B – **VDI-Nachrichten**
- C – VDI Verlag GmbH
VDI-Platz 1, Düsseldorf, 40468, Germany
- D – VDI-Nachr.
- E – Print: 0042-1758
- F – de
- G – 1994
- H – 1947 -
- I – <https://www.vdi-nachrichten.com>

- A – 227
- B – **Konstruktion**
- C – Springer VDI Verlag GmbH & Co KG
VDI-Platz 1, Düsseldorf, 40468, Germany
- D – Konstruktion
- E – Print: 0720-5953 Online: 1436-4921
- F – de
- G – 1994
- H – 1949 -
- I – <https://www.ingenieur.de/fachmedien/konstruktion>
- J – ex Konstruktion im Maschinen-, Apparate- und Gerätebau - ISSN: 0023-3625, end date: 1980

- A – 228
- B – **Elektor**
- C – Elektor Verlag GmbH
Kackertstr. 10, D-52072 Aachen, Germany
- D – Elektor
- E – Print: 0932-5468
- F – de
- G – 1994
- H – 1970 -
- I – <https://www.elektormagazine.de>
- J – ex Elektor-Elektronik - ISSN: 0177-7610, end date: 1985

- A – 229
- B – **Derwent Biotechnology Abstracts**
- C – Derwent-Information
Friars House, 160 Blackfriars Road, London, SE1 8EZ, United Kingdom
- D – Derwent Biotechnol. Abstr.
- E – Print: 0262-5318
- F – en
- G – 1994
- H – 1982 -
- I – <https://clarivate.com/derwent>

- A – 231
- B – **Bell Labs Technical Journal**
- C – Institute of Electrical and Electronics Engineers Inc
445 Hoes Lane, Piscataway, P.O. Box 1331, NJ 08854, USA
- D – Bell Labs Tech. J.
- E – Print: 1089-7089 Online: 1538-7305
- F – en
- G – 1999
- H – 1922 -
- I – <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6731002>
- J – ex AT&T Technical Journal - ISSN: 8756-2324, end date: 1995

- A – 232
- B – **European Journal of Inorganic Chemistry**
- C – Wiley - VCH Verlag GmbH & Co. KGaA
Postfach 101161, Weinheim, 69451, Germany
- D – Eur. J. Inorg. Chem.
- E – Online: 1099-0682
- F – en
- G – 1999
- H – 1988 -
- I – <https://chemistry-europe.onlinelibrary.wiley.com/hub/journal/10990682c/overview>
- J – ex European Journal of Inorganic Chemistry (Print) – ISSN: 1434-1948, end date: 2012
ex Recueil des Travaux Chimiques des Pays-Bas - ISSN: 0165-0513, end date: 1996
ex Bulletin de la Société Chimique de France - ISSN: 0037-8968, end date: 1997 ⁽⁵⁾

- A – 233
- B – **Nature Biotechnology**
- C – Nature Research
The Campus, 4 Crinan St, London, N1 9XW, United Kingdom
- D – Nat. Biotechnol.
- E – Print: 1087-0156 Online: 1546-1696
- F – en
- G – 1999
- H – 1983 -
- I – <https://www.nature.com/nbt>
- J – ex Bio/technology - ISSN: 0733-222X, end date: 1996 ⁽⁶⁾

⁽⁵⁾ PCT identification numbers 108 and 232 are continuations of PCT identification number 170. PCT identification number 232 is also a continuation of PCT identification number 37.

⁽⁶⁾ (discontinued PCT identification number 222).

A – 234
B – **Research Disclosure**
C – Questel Ireland Ltd
Killernan, Kilmaine, County Mayo, Ireland
D – Res. Discl.
E – Print: 0374-4353
F – en
G – 2002
H – 1960 -
I – <http://www.researchdisclosure.com>

A – 235
B – **Acta Pharmaceutica**
C – Croatian Pharmaceutical Society; (Hrvatsko Farmaceutsko Drustvo)
Masarykova 2, Zagreb, 10000, Croatia
D – Acta Pharm.
E – Print: 1330-0075 Online: 1846-9558
F – en
G – 2004
H – 1951 -
I – <http://acta.pharmaceutica.farmaceut.org>
J – ex Acta Pharmaceutica Jugoslavica - ISSN: 0001-6667, end date: 1992

A – 236
B – **Economic Botany**
C – New York Botanical Garden Press
The New York Botanical Garden, Bronx, NY 10458-5126, USA
D – Econ. Bot.
E – Print: 0013-0001 Online: 1874-9364
F – en
G – 2004
H – 1947 -
I – <https://www.springer.com/journal/12231>

A – 237
B – **Journal of Chinese Medicine**
C – Journal of Chinese Medicine
22 Cromwell Rd, Hove, E Sussex, BN3 3EB, United Kingdom
D – J. Chin. Med.
E – Print: 0143-8042
F – en
G – 2004
H – 1979 -
I – <https://www.jcm.co.uk>

A – 238
B – **Journal of Ethnopharmacology**
C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
D – J. Ethnopharmacol.
E – Print: 0378-8741 Online: 1872-7573
F – en
G – 2004
H – 1979 -
I – <https://www.journals.elsevier.com/journal-of-ethnopharmacology>

- A – 239
- B – **Pharmaceutical Biology**
- C – Taylor & Francis
2&4 Park Sq, Milton Park, Abingdon, Oxfordshire OX14 4RN United Kingdom
- D – Pharm. Biol.
- E – Print: 1388-0209 Online: 1744-5116
- F – en
- G – 2004
- H – 1961 -
- I – <https://www.tandfonline.com/toc/iphb20/current>
- J – ex International Journal of Pharmacognosy - ISSN: 0925-1618, end date: 1997

- A – 240
- B – **Fitoterapia**
- C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
- D – Fitoterapia
- E – Print: 0367-326X Online: 1873-6971
- F – en
- G – 2005
- H – 1930 -
- I – <https://www.journals.elsevier.com/fitoterapia>

- A – 241
- B – **Journal of Natural Products**
- C – American Chemical Society, Publications Support Services
1155, 16th Street, NW, Washington, DC 20036, USA
- D – J. Nat. Prod.
- E – Print: 0163-3864 Online: 1520-6100
- F – en
- G – 2005
- H – 1938 -
- I – <https://pubs.acs.org/journals/jnprdf>
- J – ex Lloydia - ISSN: 0024-5461, end date: 1979

- A – 242
- B – **Journal of Nutrition**
- C – American Society for Nutrition
9211 Corporate Blvd., Suite 300, Rockville, MD 20850, USA
- D – J. Nutr.
- E – Print: 0022-3166 Online: 1541-6100
- F – en
- G – 2005
- H – 1928 -
- I – <https://academic.oup.com/jn>

- A – 243
- B – **Phytochemistry**
- C – Elsevier BV
Radarweg 29, PO Box 211 Amsterdam, 1043 NX Netherlands
- D – Phytochemistry
- E – Print: 0031-9422 Online: 1873-3700
- F – en
- G – 2005
- H – 1961 -
- I – <https://www.journals.elsevier.com/phytochemistry>

A – 244
B – **Phytotherapy Research**
C – John Wiley & Sons Inc.
111 River Street, Hoboken, NJ 07030-5774, USA
D – Phytother. Res.
E – Print: 0951-418X Online: 1099-1573
F – en
G – 2005
H – 1987 -
I – <https://onlinelibrary.wiley.com/journal/10991573>

A – 245
B – **Planta Medica**
C – Georg Thieme Verlag
Ruedigerstr 14, Stuttgart, 70469, Germany
D – Planta Med.
E – Print: 0032-0943 Online: 1439-0221
F – en
G – 2005
H – 1953 -
I – <https://www.thieme.de/de/planta-medica/journal-information-4809.htm>

A – 246
B – **Indian Journal of Traditional Knowledge**
C – National Institute of Science Communication and Information Resources (NISCAIR)
Dr. K. S. Krishnan Marg, Pusa Campus, New Delhi-110012, India
D – Indian J. Tradit. Knowl.
E – Print: 0972-5938 Online: 0975-1068
F – en
G – 2005
H – 2002 -
I – <http://nopr.niscair.res.in/handle/123456789/43>

A – 247
B – **Medicinal and Aromatic Plants Abstracts**
C – National Institute of Science Communication and Information Resources (NISCAIR)
Dr. K. S. Krishnan Marg, Pusa Campus, New Delhi-110012, India
D – Med. Aromat. Plants Abstr.
E – Print: 0250-4367 Online: 2456-5636
F – en
G – 2005
H – 1979 -
I – <http://mapa.niscair.res.in/>

A – 248
B – **Korean Journal of Traditional Knowledge**
C – KISTI (Korea Institute of Science and Technology Information), 245 Deahakro, Yuseong-gu, Daejeon, 305-806 Korea
D – Korean J. Tradit. Knowl.
E – Online: 1976-6882
F – en / ko
G – 2009
H – 2007 -
I – <https://www.koreantk.com/ktkp2014/?lang=en>
J – Contains articles collected since 1959

[Appendices follow]