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# List of scientific journals

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The following is a partial **list of scientific journals**. There are thousands of scientific journals in publication, and many more have been published at various points in the past. The list given here is far from exhaustive, and contains the most influential, currently publishing journals in each field. As a rule of thumb, each field should be represented by more or less ten positions, chosen by their impact factors and other ratings.

*Note:* there are many science magazines that are not scientific journals, including *Scientific American*, *New Scientist*, *Australasian Science* and others. They are not listed here.

For periodicals in the social sciences and humanities, see List of social science journals

 This literature-related list is incomplete; you can help by of scientific journals expanding it <sup>[1]</sup>.

## General and multidisciplinary science

- *Nature*
- *Philosophical Transactions of the Royal Society*
- *Proceedings of the National Academy of Sciences* (PNAS)
- *Proceedings of the Royal Society*
- *Science*

## Basic & physical sciences

### Astronomy and astrophysics

- *Annual Review of Astronomy and Astrophysics*
- *Astronomical Journal*
- *Astrophysical Journal*
- *Monthly Notices of the Royal Astronomical Society*
- *Publications of the Astronomical Society of the Pacific*

### Chemistry

The journals listed below are the 10 highest ranking chemistry journals that publish papers in all areas of chemistry, ranked according to the total number of references <sup>[2]</sup>. The comprehensive list referenced above should be consulted for high ranking journals in specific areas of chemistry.

- *Accounts of Chemical Research*
  - *Angewandte Chemie International Edition*
  - *Bulletin of the Chemical Society of Japan*
  - *Canadian Journal of Chemistry*
  - *Central European Journal of Chemistry*
  - *Chemical Communications*
  - *Chemical Reviews*
  - *Chemistry: A European Journal*
  - *Chemistry Letters*
  - *Journal of the American Chemical Society*
  - *Helvetica Chimica Acta*
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## **Earth and atmospheric sciences**

- *Atmospheric Chemistry and Physics*
- *Bulletin of the American Meteorological Society*
- *Earth Interactions*
- *Eos*
- *Geophysical Research Letters*
- *International Journal of Speleology*
- *Journal of Applied Meteorology and Climatology*
- *Journal of the Atmospheric Sciences*
- *Journal of Climate*
- *Journal of Geophysical Research*
- *Journal of the IEST*
- *Journal of Physical Oceanography*
- *Journal of Soil and Water Conservation*
- *National Weather Digest*
- *Weather*
- *Weather and Forecasting*
- *Zeitschrift für Geologische Wissenschaften (Journal for the Geological Sciences)*

## **Ontology and Philosophy of Science**

- *Axiomathes*

## **Physics**

- *Acta Crystallographica-- parts A, B*
  - *Advances in Physics*
  - *American Journal of Physics*
  - *Central European Journal of Physics*
  - *Journal of Physics - parts A-D, G*
  - *Journal of Magnetic Resonance*
  - *Journal of the Physics and Chemistry of Solids*
  - *New Journal of Physics*
  - *Physical Review - parts A-E and Letters*
  - *Reports on Progress in Physics*
  - *Physical Review Letters*
  - *Philosophical Transactions of the Royal Society*
  - *Revue Roumaine de Physique*
  - *Solid State Physics- parts A to K.*
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## Life sciences

### Biology in general

- *American Naturalist*
- *Biological Reviews*
- *BioEssays*
- *Biophysical Journal*
- *Cell*
- *Journal of Cell Biology*
- *Central European Journal of Biology* (journal home) <sup>[3]</sup>
- *International Journal of Biological Sciences*
- *Bulletin of Mathematical Biology*
- *Journal of Theoretical Biology*
- *Journal of Molecular Biology*
- *PLoS Biology*
- *PLoS ONE*

### Agriculture

- *Agricultural and Food Chemistry*
- *Australian Journal of Agricultural Research*
- *Journal of Animal Science*
- *Crop Science*
- *Journal of Dairy Science*
- *Journal of Soil and Water Conservation*
- *Journal of Economic Entomology*
- *Pesticide Science* ISSN 0031-613X <sup>[4]</sup>

### Biophysics and biochemistry

- *Biochemical Journal*
  - *Biophysical Journal*
  - *European Journal of Biochemistry*
  - *FEBS Journal*
  - *Journal of Biological Chemistry*
  - *Biochemistry*
  - *Journal of Molecular Biology*
  - *Xenobiotica*
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## **Ecology**

- *Advances in Ecological Research*
- *Annual Review of Ecology, Evolution, and Systematics*
- *Ecology*
- *Ecology Letters*
- *Journal of Ecology*
- *Journal of Soil and Water Conservation*
- *Trends in Ecology & Evolution*

## **Genetics**

- *Genetics (journal)*
- *Heredity (journal)*
- *Journal of Genetics*
- *Theoretical and Applied Genetics*

## **Horticulture**

- *Journal of Applied Horticulture*

## **Neuroscience**

- *Behavioral and Brain Sciences*
- *Genes, Brain and Behavior*
- *Journal of Neurochemistry*
- *Journal of Neuroscience*
- *Nature Neuroscience*
- *Neuron*
- *Trends in Neurosciences*

## **Medicine**

- *Annals of Internal Medicine*
  - *Archives of Internal Medicine*
  - *British Medical Journal*
  - *ecancermedicalscience*
  - *International Journal of Medical Sciences*
  - *Molecular Medicine*
  - *Journal of the American Medical Association*
  - *Journal of Clinical Investigation*
  - *Journal of Experimental Medicine*
  - *The Lancet*
  - *Nature Medicine*
  - *New England Journal of Medicine*
  - *PLoS Medicine*
  - *PLoS Neglected Tropical Diseases*
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## **Health care**

- *Health Affairs*
- *Milbank Quarterly*

## **Nutrition**

- *Journal of Nutrition*

## **Pharmaceutical Sciences**

- *Daru-Journal of Faculty of Pharmacy*
- *International Journal of Computational Biology and Drug Design*
- *Phytotherapy Research*

## **Mathematics and applied sciences**

### **Computer science**

- *Journal of the ACM (JACM)*
- *Communications of the ACM (CACM)*
- *Computing Reviews (ACM)*
- *IEEE Transactions on Computers*
- *International Journal of Critical Computer-Based Systems*
- *Journal of Machine Learning Research*
- *Journal of Functional Programming*
- *SIAM Journal on Computing*
- *Computer (IEEE magazine)*

*For more comprehensive lists, see DB&LP <sup>[5]</sup>, Simon Fraser University Project (not maintained) <sup>[6]</sup>.*

### **Engineering**

- *Advances in Production Engineering & Management*
  - *Annual Review of Biomedical Engineering*
  - *Fluid Phase Equilibria*
  - *Industrial & Engineering Chemistry Research*
  - *International Journal of Functional Informatics and Personalized Medicine*
  - *Journal of Environmental Engineering*
  - *Journal of Hydrologic Engineering*
  - *Journal of the IEST*
  - *NASA Tech Briefs*
  - *Post Office Electrical Engineers' Journal*
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## **Food Science**

- Agricultural and Food Chemistry Journal
- Journal of Food Science
- Starke--Starch

## **Materials science**

- *Advanced Materials*
- *Advanced Functional Materials*
- *JOM*
- *Journal of Electronic Materials*
- *Materials Today*
- *Metallurgical and Materials Transactions*
- *Nature Materials*
- *Science and Technology of Advanced Materials*
- *International Journal of Applied Mathematics and Computation*

## **Mathematics**

- *Acta Mathematica*
- *Annals of Mathematics*
- *Bulletin of the American Mathematical Society*
- *Communications on Pure and Applied Mathematics*
- *Comptes Rendus de l'Academie des Sciences de Paris (CRAS)*
- *Duke Mathematical Journal*
- *Inventiones Mathematicae*
- *Journal of the American Mathematical Society*
- *Publications Mathématiques de l'IHÉS*
- *Journal of Algebra*
- *Topology*
- *Cahiers de Topologie*

## **Statistics**

- *Journal of the American Statistical Association*
  - *The American Statistician*
  - *Biometrics (Journal)*
  - *Biometrika*
  - *Journal of Business & Economic Statistics*
  - *Journal of Industrial and Management Optimization*
  - *International Journal of Intelligent Technologies and Applied Statistics*
  - *Journal of the Royal Statistical Society*
  - *Statistical Science*
  - *Journal of Statistical Software*
  - *Technology Innovations in Statistics Education*
  - *Technometrics*
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## See also

- lists of journals
- List of academic journals
- List of journals available free online
- List of academic databases and search engines
- Open access journals
- List of science magazines of popular and non peer-reviewed kind

## External links

- IEEE Transactions Journals and Letters Listings <sup>[7]</sup>
- Science: Publications <sup>[8]</sup> at the Open Directory Project
- ScienceDirect List of academic journals <sup>[9]</sup>
- Directories and Lists of Electronic Journals and Newsletters <sup>[10]</sup>
- Scholarly Journals Distributed Via the World Wide Web <sup>[11]</sup>
- Scientific Journals publishing papers on ecology <sup>[12]</sup>
- The journals of the American Chemical Society <sup>[13]</sup>

## References

- [1] <http://en.wikipedia.org/wiki/:List>
- [2] <http://scientific.thomson.com/products/jcr/A> search of 2004 *Journal Citation Reports* from the Institute for Scientific Information for journals in subject categories CHEMISTRY, MULTIDISCIPLINARY. Journals that clearly did not publish papers in all areras of chemistry were removed.
- [3] <http://versita.com/science/lifesciences/cejb/>
- [4] <http://www.worldcat.org/issn/0031-613X>
- [5] <http://www.informatik.uni-trier.de/~ley/db/journals/index-s.html>
- [6] <http://elib.cs.sfu.ca/Collections/CMPT/cs-journals/>
- [7] [http://www.ieee.org/portal/site/mainsite/menuitem.818c0c39e85ef176fb2275875bac26c8/index.jsp?&pName=corp\\_level1&path=pubs/transactions&file=index.xml&xsl=generic.xsl](http://www.ieee.org/portal/site/mainsite/menuitem.818c0c39e85ef176fb2275875bac26c8/index.jsp?&pName=corp_level1&path=pubs/transactions&file=index.xml&xsl=generic.xsl)
- [8] <http://www.dmoz.org/Science/Publications/>
- [9] <http://www.sciencedirect.com/science/journals>
- [10] <http://gort.ucsd.edu/ejournal/jdir.html#lists>
- [11] <http://info.lib.uh.edu/wj/webjour.html>
- [12] <http://www.ekolojinet.com/journals.html>
- [13] <http://pubs.acs.org>

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