SCIENCE AND TECHNICAL SUBJECT AREAS

1. Factors for ranking academic journal

Academic journals are ranked mainly according to common citation indices including impact factor (IF) and Science Citation Index (SCI).

1.1 Impact factor (IF). The impact factor is a measure reflecting the average number of citations to articles published in science and social science journals. It is frequently used as a proxy for the relative importance of a journal within its field, with journals with higher impact factors deemed to be more important than those with lower ones. The impact factor was devised by Eugene Garfield, the founder of the Institute for Scientific Information (ISI), now part of Thomson Reuters. Impact factors are calculated yearly for those journals that are indexed in Thomson Reuter's Journal Citation Reports.

1.2 Science Citation Index (SCI). The Science Citation Index (SCI) is a citation index originally produced by the Institute for Scientific Information (ISI) in 1960, which is now owned by Thomson Reuters. The larger version (Science Citation Index Expanded) covers 6,400 of the world's leading journals of science and technology. It is made available online through the Web of Science database, a part of the Web of Knowledge collection of databases. (There are also CD and printed editions, covering a smaller number of journals). This database allows a researcher to identify which later articles have cited any particular earlier article, or cited the articles of any particular author, or determine which articles have been cited most frequently.

2. About Conference Papers

2.1 For works presented in particular conferences which are published as special issues in journals, the ranking of these conferences should refer to the ranks of the journal where the conference papers are published.
2.2 For other conferences without corresponding journal publications, other factors about the conferences should be considered as well, e.g. the region (regional or international conference), scale (number of papers presented) and scope (areas and fields of presented paper) of the conference.

2.3 One noticeable and quantifiable measure is the acceptance ratio (AR) of the conference papers, and this may be different from the AR of general issues of the journal where the conference papers are published. In this sense each conference should be considered and ranked as individual entry in the ranking list.

3. About Evaluation of Individual Publications

3.1 The number and order of authors are important indicators of author’s participation in each particular publication. Rules for the order of multiple authors in a list vary significantly from field to field. Some fields list authors in order of their degree of involvement in the work, with the most active contributors listed first; while others list them alphabetically.

3.2 There is a general agreement that currently there is no special need for setting rules and metrics for measuring the credits and participation of each author / co-author of individual publications. And author’s participation should be considered and measured in a case-by-case basis.

4 About Other Publication and Activities

The activities listed below are not related to academic publication but also related to academic research, which may be included in the scholarship evaluation.

4.1 Writing books / book chapters, publishing articles in field-related magazines and other media, being editors of any field-related media, being interviewed by media.

4.2 Presenting lectures, workshops, being keynote speaker, involving in panel discussions or round tables in academic conferences, symposiums or seminars.

4.3 Involving in organizing, managing and preparing any field-related events (e.g. conferences, workshop, seminar, interviews, exhibition, extracurricular activities, etc).
4.4 For better evaluation of book and other publication, a preliminary ranking for academic publishers is listed as reference information. The list is derived from the publishers list found from SENSE (Socio-Economic and Natural Sciences of the Environment), which is a network involving 11 universities from Netherlands. Note that this ranking is not the only factor for measuring of publication quality, other factors should be considered.
**Reference Information**

**A. Preliminary ranking of major CG related journal and conferences:**

**Conferences**

<table>
<thead>
<tr>
<th>Conferences in Graphics, Visualization and Multimedia</th>
<th>Rank</th>
<th>IF</th>
<th>AR</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIGGRAPH: ACM SIGGRAPH Conference</td>
<td>A+</td>
<td></td>
<td>26% (2010)</td>
</tr>
<tr>
<td>ACM-MM: ACM Multimedia Conference</td>
<td>A+</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SIGGRAPH: ACM SIGGRAPH Asia Conference</td>
<td>A+</td>
<td></td>
<td>25% (2009)</td>
</tr>
<tr>
<td>IEEE Visualization</td>
<td>A+</td>
<td></td>
<td>27% (2009)</td>
</tr>
<tr>
<td>EUROGRAPH: European Graphics Conference</td>
<td>A</td>
<td></td>
<td>20% (2010)</td>
</tr>
<tr>
<td>SGP: Eurographs Symposium on Geometry Processing</td>
<td>A</td>
<td></td>
<td>24% (2008)</td>
</tr>
<tr>
<td>EGSR: Eurographics Symposium on Rendering</td>
<td>A</td>
<td></td>
<td>29% (2010)</td>
</tr>
<tr>
<td>SCA: Symposium on Computer Animation</td>
<td>A</td>
<td></td>
<td>43% (2010)</td>
</tr>
<tr>
<td>I3D: Symposium on Interactive 3D Graphics and Games</td>
<td>B+</td>
<td></td>
<td>33% (2010)</td>
</tr>
<tr>
<td>CANIM: Computer Animation</td>
<td>B+</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICME: Intl Conf on MMedia &amp; Expo</td>
<td>B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MMCN: ACM/SPIE Multimedia Computing and Networking</td>
<td>B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JCDL: Joint Conference on Digital Libraries</td>
<td>B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOSSDAV: Network and OS Support for Digital A/V</td>
<td>B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Journal in Graphics, Visualization and Multimedia**

| ACM Trans on Graphics                                 | A+   | 3.383 |
| IEEE Trans on Visualization and Computer Graphics     | A+   | 2.445 |
| IEEE Transactions on Multimedia                       | A+   | 2.288 |
| IEEE Tran. on Circuits and Systems for Video Technology| A    | 2.951 |
| Computer Aided Geometric Design                       | B+   | 1.512 |
| Computer-Aided Design                                 | B+   | 1.474 |
| Journal of Visual Communication and Image Representation| B+  | 1.342 |
| Visual Computer                                       | B    | 1.061 |
| Graphical Models                                      | C    | 0.913 |
| Multimedia Systems                                    | C    | 0.679 |
| Computer Animation and Virtual Worlds                 | C    | 0.55  |

**Conferences in Computer Vision, Pattern Recognition, Image Processing and AI**

<p>| ICP: Intl Conf on Pattern Recognition                 | A+   | 14% (2006) |</p>
<table>
<thead>
<tr>
<th>Conference / Journal / Conference</th>
<th>Acceptance Ratio</th>
<th>Impact Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICIP: Intl Conf on Image Processing</td>
<td>A</td>
<td>46.2% (2005)</td>
</tr>
<tr>
<td>ECCV: European Conference on Computer Vision</td>
<td>A</td>
<td>34% (2004)</td>
</tr>
<tr>
<td>CAIP: Inttl Conf on Comp. Analysis of Images and Patterns</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>WACV: IEEE Workshop on Apps of Computer Vision</td>
<td>B+</td>
<td></td>
</tr>
<tr>
<td><strong>Journal in Computer Vision, Pattern Recognition, Image Processing and AI</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IEEE Trans on Pattern Analysis and Machine Intl</td>
<td>A+</td>
<td>5.96</td>
</tr>
<tr>
<td>IEEE Transactions on Medical Imaging</td>
<td>A+</td>
<td>4.004</td>
</tr>
<tr>
<td>Intl Jnl of Computer Vision</td>
<td>A+</td>
<td>5.358</td>
</tr>
<tr>
<td>IEEE Trans on Image Processing</td>
<td>A+</td>
<td>3.315</td>
</tr>
<tr>
<td>IEEE Transactions on Fuzzy Systems</td>
<td>A+</td>
<td>3.624</td>
</tr>
<tr>
<td>Pattern Recognition</td>
<td>A</td>
<td>3.279</td>
</tr>
<tr>
<td><strong>Conferences in Human Computer Interaction</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACM Symposium on UIST</td>
<td>A+</td>
<td>22% (2008)</td>
</tr>
<tr>
<td>HCI: HCI International Conference</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td><strong>Journal in Physic Simulation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Journal of Sound and Vibration</td>
<td>B+</td>
<td>1.37</td>
</tr>
<tr>
<td><strong>Conference in Game Developerment</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Game Developers Conference</td>
<td>A+</td>
<td></td>
</tr>
<tr>
<td>Game Developers Conference Europe</td>
<td>A+</td>
<td></td>
</tr>
<tr>
<td>Game Developers Conference China</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

1. The data of impact factor is collected from ISI journal citation reports, which can be accessed through the library e-resource via [http://libweb.cityu.edu.hk/cgi-bin/er/db/isicitdb.pl](http://libweb.cityu.edu.hk/cgi-bin/er/db/isicitdb.pl).

2. The data of acceptance ratio is collected from several online sources. There is no guarantee of the correctness and only for reference only. Below list the online sources that we mainly refer to:


AR for computational intelligence: [http://www.adaptivebox.net/CILib/CICON_stat.html](http://www.adaptivebox.net/CILib/CICON_stat.html)
B. Preliminary ranking of academic publishers:

**A+ Publishers:**
California University Press
Cambridge University Press
Clarendon Press
Columbia University Press
Harvard University Press
John’s Hopkins University Press
John Wiley
MIT Press Cambridge Mass
Oxford University Press
Pennsylvania University Press
Princeton University Press
Stanford University Press
University of Chicago Press
University of Pennsylvania Press
Yale University Press

**A Publishers:**
Allen and Unwin
Ashgate/Avebury
Aspen
Basic Books, Inc.
Berg, Oxford
Blackwell
Brill
Bruylant
Cameron May
Communication University of China Press
Curzon Press
Duke University Press
Earthscan
Edward Elgar
Elsevier Science
Frank Cass
Fudan University Press
Garrisberg MacMillan
Harcourt Brace Jovanovich, Inc.
Hart
Harwood Academic Publishers
Heinemann
IWA publishers
James Currey
Karthala
Kegan Paul International
Kluwer Academic Publishers
Kluwer Law International
Lit Verlag
Lynn Rienner
M.E.Sharpe Inc.
Macmillan/Palgrave Press
Marcial Pons
Methuen
Palgrave
Peking University Press
Pergamon Press
Permanent Black/Orient Longman
Pluto Press, London
Polity Press
Praeger
Random House Inc, New York
Routledge
Routledge Cavendish
Routledge Curzon
Rowman and Littlefield Publishers
Sage Publications
Springer
St. Martin Press
State University of New York Press
Suhrkamp Verlag
Swets Blackwell
Texas University Press
Thomson – Sweet & Maxwell
Tsinghua University Press
Verso
Westview Press
Zed Books

**B+ Publishers:**
Aalborg University Press
Academic Press London
Addis Ababa University
Amsterdam University Press
Aarhus University Press
Aristotle University
Arizona University Press
Asia Pacific Press
Ateneo de Manila, University Press
Australian National University Press
Bath University (DWP)
Belhaven Press
Benemerita Universidad Autonomad de Puebla
Benjamins
Berg Publishers
Berghahn Books
Boom Juridisch
Brasiliense
CABI - CAB International Publishing
Carolina AP
Cassell
Catena Verlag
Charles Scribner's Sons
Chatto and Winden, UK
Chinese University Press
Civilizacao Brasileira
CNRS
Universidad de Valencia
Universidad Mayor de San Andres
Universidad Nacional Autonómica de Nicaragua
Universidad por La Paz
Universidade Estadual de Campinas
Universidad de Lleida
Universitat Hamburg
Universitat von Konstanz (UVK), Universitätsverlag, Konstanz GmbH
Universitätsverlag Rasch
Universiteit van de Nederlandse Antillen (UNA)
University of Birmingham
University of Bonn
University of California Press
University of Canberra
University of Cape town Press, SA
University of Colombo
University of Copenhagen Press
University of Deusto
University of Groningen
University of Hawai Press
University of Illinois Press
University of Kwazulu Natal Press, Durban SA
University of Leeds Press
University of Manchester
University of Massachusetts Press
University of Mexico Press
University of Michigan Press
University of Ottawa Press
University of San Catolina Press
University of Stellenbosch
University of Tennessee Press
University of the Philippines Press
University of the West Indies
University of Washington Press
University of Western Cape
University of Zimbabwe Press
Aksant Academic Publishers
Alfa Omega
Almqvist & Wiksell International
Amanuense Editorial
American Enterprise Institute for Public Policy Research
Amsterdam Sociaal Geografische Studies
Anthem Press
Anthropos
APFT-ULB
APS Aequi Uitgevers
Area Studies Centre for Europe
Argo Editrice
ASC University of Edinburgh
Asia-Pacific Research Program
Association for Social Anthropology in Oceania (ASAO)
Atlas
Auburn House
Backhuys Publications
Balland, Paris
Batelle Press, Ohio
Bergin and Garvey
Berliner Geographische Arbeiten Heft
Bertelsmann
BIOS, Scientific Publications
Boekencentrum Uitgevers
Bohn Stafleu van Loghum
Bollati Borighieri, Torino
Bookwell Publishers
Boom
BR Publications Corporation
Breitenbach
Brookings Institution
Camaren
Canadian Heritage, economic research group, Ontario
CDS
CEDC
CEDLA
Center for Mexican Studies
Centre d'Estudis Africans
Centre de Doc. Et de Recherche sur de Paix et les Conflicts
Centre for Comparative Immigration Studies, La Jolla
Centre for Development Research
Centre for US-Mexico Studies University of California
Centre of Non-Western Studies
Centro de Estudios Mexicanos
Centro de Estudios Mexicanos y Centroamericanos
Centro de Investigaciones Etnologicas
Ceso
CESTRAD/ISS
Children's Right Centre
China Forestry Publishing House
Christian Michelsen Institute
Cinterfor
CML Leiden Press
CNA-CIESAS
CNWS Research School
Cognizant Communication corp.
Coleccion UNIVERSITARIA, San Jose
Commission on Folk Law and Legal Pluralism
Concept Publications Company
Consejo Nacional para la Cultura y las Artes
Corner House
Council for Asia-Europe Co-operation, Japan and Brookings Institute Press, Washington
Coutinho
Crawford House
Darmouth Publications
Darwin Centre for SE Studies
Das Argument Verlag
David Philip Publishers, Cape town SA
DEI
Denver Int. Academic Publishers
Department of Public Health Catholic University of Louvain
ICPS
Idea Group Publishers
IDIS
IDS
IFE (Instituto Federal Electoral)
IGU-NL
IHE, Delft
IHRA
IHS
IIEP Publications
IIMI
IISG
IISL
Il Mulino, Bologna
Ima
Indian Institute of Public Administration, New Delhi
Institut franzais de pondicherry
Institut fur Geographie de Universitat Hamburg
Institut fur Geographie Erfurt
Institut fur Iberoamerikakunde, Hamburg
Institut fur Kulturanthropologie, Frankfurt am Main
Institut Tema, Linkoping University, Sweden
Institute du Federalisme Fribourg
Institute for Public Affairs, Warsaw
Institute of Advanced Studies in Social Anthropology
Institute of African Studies
Institute of Economic Research
Institute of Ethiopian Studies
Institute of South East Asian Studies (ISEAS)
Institute Press, Washington
Instituto de Estudios Peruanos, Lima
Instituto Universitario de Desarrollo y Cooperacio
Instituut voor Nederlandse Geschiedenis
International Books
International Centre for Human and Public Affairs
International Development Research Centre, Ottawa
International Group for the Study of Women
International Institute of Administrative Studies
Interresource Group Limited
INUCO
IOS Press
IPGRI
IRRI
IRSA
Isida Fabio Orlando Editore
Island Press
ISOR
ISS
ITDG
ITH, Lintz
IUED
IUSSP
Jagadamba Press
Jan Metz, Amsterdam
Jan van Arkel
Jessica Kingsley, London
Juta and Co.
Kamal Kishore for Palaka Prakashan, New Delhi
Kea Edition
KEEA, Elmina
Kendall and Hunt
KIT Publishers
KITLV Press
Kluwer Bedrijfsinformatie (+ other Dutch Languages)
KNAG
Kohlhammer
Kok
Kumarian Press
L'Aube
La Jornada Ediciones/CIICH
La Marge Editions
Lannoo/Campus
Lemma
Leske & Budrich
Libros de la Catarata, Madrid
Limusa
LIZE, Utrecht
Luchterhand
Lucius & Lucius
Madras Institute of Development Studies
Maisonneuve et Larose
Malaysia Forest Research Institute
Management Centre King's College London
Manohara Grantha Mala Publication Company
Margraf Verlag
Marshall Centre
Merga Silima
Metropolis
Meulenhof
Monmouth
Mouton de Gruyter
Mundo Virtual
Musee Barbier-Muller, Geneve
National Center for Development Studies
National Institute for Working Life
National Political Publishing House
Nederlandse Geografische Studies
Nederlandse Vereniging voor Kartografie
Nelissen
Network of Institutes & Schools of Public Administration in CEE, Bratislava
Network Publishers
New Age International
NICCOS
NIRP Publications and Reports
NIZW
NMI
Nordan-Comunidad, Montevideo
Nordic Association for Canadian Studies
Ravan Press, Johannesburg SA
Rawat
Red Sea Press
Reed Business Information
Remdec Swaparakarsa
RHC
Rijksmuseum Volkenkunde
Roa
Rozenberg Publishers
Scandinavian Institute of African Studies
Scarecrow
Schuren Verlag
Science Sociales et Défence
Scriptum, Schiedam
SDU Uitgevers
Semar Publishers
Servizio Editoriale Universatorio, Bari
SGO
Shaker Publishing
Shenin Kexue Wenxian Chubanshe, Beijing
Shokado
SIDA
SIM
Smiet
SMO
Societa Editrice il Mulino
Société française des Etudes Ethiopiennes
SOM
Sowi
Spinhuis
Stepri
Stockholm ILA Studies
Studienverlag
Styx
SUN
Swets & Zeitlinger
Wageningen Dept. of Sociology
Waveland Press
Weaver
West Publication
Westphälisches Dampfboot
Wisdom House Publications
Wolf Legal Publishers
Wolters groep
World Scientific
WOTRO
Yayasan obor Indonesia
Ziti Publications Company

C Publishers:
Other publishers