

Ronald Rousseau

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

3,536
citations

23
h-index

56
g-index

148
ext. papers

4,116
ext. citations

2.9
avg, IF

5.93
L-index

#	Paper	IF	Citations
140	Social network analysis: a powerful strategy, also for the information sciences. <i>Journal of Information Science</i> , 2002 , 28, 441-453	2	889
139	Requirements for a cocitation similarity measure, with special reference to Pearson's correlation coefficient. <i>Journal of the Association for Information Science and Technology</i> , 2003 , 54, 550-560		374
138	The R- and AR-indices: Complementing the h-index. <i>Science Bulletin</i> , 2007 , 52, 855-863		354
137	An informetric model for the Hirsch-index. <i>Scientometrics</i> , 2006 , 69, 121-129	3	211
136	Methods for accrediting publications to authors or countries: Consequences for evaluation studies. <i>Journal of the Association for Information Science and Technology</i> , 2000 , 51, 145-157		127
135	Diversity of references as an indicator of the interdisciplinarity of journals: Taking similarity between subject fields into account. <i>Journal of the Association for Information Science and Technology</i> , 2016 , 67, 1257-1265	2.7	82
134	Recommending research collaborations using link prediction and random forest classifiers. <i>Scientometrics</i> , 2014 , 101, 1461-1473	3	55
133	On the definition of forward and backward citation generations. <i>Journal of Informetrics</i> , 2011 , 5, 27-36	3.1	49
132	Reflections on recent developments of the h-index and h-type indices. <i>Collnet Journal of Scientometrics and Information Management</i> , 2008 , 2, 1-8	0.5	47
131	Article impact calculated over arbitrary periods. <i>Journal of the Association for Information Science and Technology</i> , 2005 , 56, 58-62		40
130	Basic properties of both percentile rank scores and the I3 indicator. <i>Journal of the Association for Information Science and Technology</i> , 2012 , 63, 416-420		39
129	The influence of publication delays on the observed aging distribution of scientific literature. <i>Journal of the Association for Information Science and Technology</i> , 2000 , 51, 158-165		35
128	A framework for knowledge integration and diffusion. <i>Journal of Documentation</i> , 2012 , 68, 31-44	1.3	34
127	Thoughts on uncitedness: Nobel laureates and Fields medalists as case studies. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 1637-1644		33
126	A general framework for describing diversity within systems and similarity between systems with applications in informetrics. <i>Scientometrics</i> , 2012 , 93, 787-812	3	32
125	Journal production and journal impact factors. <i>Journal of the Association for Information Science and Technology</i> , 1996 , 47, 775-780		32
124	Science deserves to be judged by its contents, not by its wrapping: Revisiting Seglen's work on journal impact and research evaluation. <i>PLoS ONE</i> , 2017 , 12, e0174205	3.7	31

123	Properties of Hirsch-type indices: the case of library classification categories. <i>Scientometrics</i> , 2009 , 79, 235-248	3	30
122	Author inflation leads to a breakdown of Lotka's law. <i>Journal of the Association for Information Science and Technology</i> , 2001 , 52, 610-614		30
121	Library science: Forgotten founder of bibliometrics. <i>Nature</i> , 2014 , 510, 218	50.4	28
120	Measuring scientific contributions with modified fractional counting. <i>Journal of Informetrics</i> , 2019 , 13, 679-694	3.1	26
119	The h-bubble. <i>Journal of Informetrics</i> , 2013 , 7, 294-300	3.1	25
118	Definitions of time series in citation analysis with special attention to the h-index. <i>Journal of Informetrics</i> , 2008 , 2, 202-210	3.1	23
117	Diffusion factors. <i>Journal of Documentation</i> , 2006 , 62, 58-72	1.3	23
116	Reflections on the activity index and related indicators. <i>Journal of Informetrics</i> , 2012 , 6, 413-421	3.1	22
115	A new approach for measuring the value of patents based on structural indicators for ego patent citation networks. <i>Journal of the Association for Information Science and Technology</i> , 2012 , 63, 1834-1842		22
114	Measuring Biodiversity. <i>Acta Biotheoretica</i> , 1999 , 47, 1-5	1.1	22
113	Concentration and diversity of availability and use in information systems: A positive reinforcement model. <i>Journal of the Association for Information Science and Technology</i> , 1992 , 43, 391-395		21
112	Betweenness centrality and Q-measures in directed valued networks. <i>Scientometrics</i> , 2008 , 75, 575-590	3	20
111	Institution name disambiguation for research assessment. <i>Scientometrics</i> , 2014 , 99, 823-838	3	19
110	Non-English journals and papers in physics and chemistry: bias in citations?. <i>Scientometrics</i> , 2013 , 95, 333-350	3	19
109	Observations concerning the two- and three-year synchronous impact factor, based on the Chinese science citation database. <i>Journal of Documentation</i> , 2001 , 57, 349-357	1.3	19
108	Scientific influence is not always visible: The phenomenon of under-cited influential publications. <i>Journal of Informetrics</i> , 2016 , 10, 1079-1091	3.1	19
107	A study on directional returns to scale. <i>Journal of Informetrics</i> , 2014 , 8, 628-641	3.1	18
106	Evaluating Environmental and Resource Economics Journals: A TOP-Curve Approach. <i>Review of Environmental Economics and Policy</i> , 2009 , 3, 270-287	6	18

105	Interrelations among scientific fields and their relative influences revealed by an input-output analysis. <i>Journal of Informetrics</i> , 2016 , 10, 82-97	3.1	17
104	The repeat rate: from Hirschman to Stirling. <i>Scientometrics</i> , 2018 , 116, 645-653	3	16
103	A layered framework to study collaboration as a form of knowledge sharing and diffusion. <i>Journal of Informetrics</i> , 2013 , 7, 651-664	3.1	16
102	Using multi-level frontiers in DEA models to grade countries/territories. <i>Journal of Informetrics</i> , 2016 , 10, 238-253	3.1	15
101	Measuring co-authors' contribution to an article's visibility. <i>Scientometrics</i> , 2013 , 95, 55-67	3	15
100	Interactions between journal attributes and authors' willingness to wait for editorial decisions. <i>Journal of the Association for Information Science and Technology</i> , 2012 , 63, 1213-1225		15
99	A relation between h-index and impact factor in the power-law model. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 60, 2362-2365		15
98	Towards a representation of diffusion and interaction of scientific ideas: The case of fiber optics communication. <i>Information Processing and Management</i> , 2012 , 48, 791-801	6.3	14
97	Year-based h-type indicators. <i>Scientometrics</i> , 2013 , 96, 785-797	3	14
96	On the Leydesdorff-Wagner-Bornmann proposal for diversity measurement. <i>Journal of Informetrics</i> , 2019 , 13, 906-907	3.1	13
95	Editorial delay and its relation to subsequent citations: the journals Nature, Science and Cell. <i>Scientometrics</i> , 2015 , 105, 1867-1873	3	13
94	Does international collaboration yield a higher citation potential for US scientists publishing in highly visible interdisciplinary Journals?. <i>Journal of the Association for Information Science and Technology</i> , 2016 , 67, 1009-1013	2.7	13
93	The Hirsch index of a shifted Lotka function and its relation with the impact factor. <i>Journal of the Association for Information Science and Technology</i> , 2012 , 63, 1048-1053		13
92	Comments on "A Hirsch-type index of co-author partnership ability" <i>Scientometrics</i> , 2012 , 91, 309-310	3	13
91	Aggregation properties of relative impact and other classical indicators: Convexity issues and the Yule-Simpson paradox. <i>Scientometrics</i> , 2009 , 79, 311-327	3	13
90	A measure for the cohesion of weighted networks. <i>Journal of the Association for Information Science and Technology</i> , 2003 , 54, 193-202		13
89	Being metric-wise: Heterogeneity in bibliometric knowledge. <i>Profesional De La Informacion</i> , 2017 , 26, 480	3.7	13
88	The F-measure for Research Priority. <i>Journal of Data and Information Science</i> , 2018 , 3, 1-18	1.2	12

87	Scientists' referencing (mis)behavior revealed by the dissemination network of referencing errors. <i>Scientometrics</i> , 2014 , 101, 1973-1986	3	12
86	Basic independence axioms for the publication-citation system. <i>Journal of Scientometric Research</i> , 2012 , 1, 22-27	1.9	12
85	Nobel Prize winners 2016: Igniting or sparking foundational publications?. <i>Scientometrics</i> , 2017 , 110, 1053-1063	3	11
84	How to measure own-group preference? A novel approach to a sociometric problem. <i>Scientometrics</i> , 2004 , 59, 233-252	3	11
83	From a word to a world: the current situation in the interdisciplinary field of synthetic biology. <i>PeerJ</i> , 2015 , 3, e728	3.1	11
82	Citation data as a proxy for quality or scientific influence are at best PAC (probably approximately correct). <i>Journal of the Association for Information Science and Technology</i> , 2016 , 67, 3092-3094	2.7	11
81	Introducing sub-impact factor (SIF-) sequences and an aggregated SIF-indicator for journal ranking. <i>Scientometrics</i> , 2015 , 102, 1577-1593	3	10
80	A new approach to explore the knowledge transition path in the evolution of science & technology: From the biology of restriction enzymes to their application in biotechnology. <i>Journal of Informetrics</i> , 2018 , 12, 842-857	3.1	10
79	Interestingness and the essence of citation. <i>Journal of Documentation</i> , 2013 , 69, 580-589	1.3	10
78	Document-type country profiles. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 1403-1411		10
77	A discussion of Prathap's h2-index for institutional evaluation with an application in the field of HIV infection and therapy. <i>Journal of Informetrics</i> , 2010 , 4, 175-184	3.1	10
76	Knowledge Integration: Its Meaning and Measurement. <i>Springer Handbooks</i> , 2019 , 69-94	1.3	10
75	Growth of the hepatitis literature over the period 1976-2015: What can the relative priority index teach us?. <i>Scientometrics</i> , 2018 , 115, 351-368	3	9
74	Citation analysis and the development of science: A case study using articles by some Nobel prize winners. <i>Journal of the Association for Information Science and Technology</i> , 2014 , 65, 281-289	2.7	9
73	A journal's impact factor is influenced by changes in publication delays of citing journals. <i>Journal of the Association for Information Science and Technology</i> , 2017 , 68, 780-789	2.7	9
72	Uncited papers, uncited authors and uncited topics: A case study in library and information science. <i>Journal of Informetrics</i> , 2015 , 9, 50-58	3.1	8
71	Solution by step functions of a minimum problem in $L_2[0,T]$, using generalized h- and g-indices. <i>Journal of Informetrics</i> , 2019 , 13, 785-792	3.1	8
70	A general conceptual framework for characterizing the ego in a network. <i>Journal of Informetrics</i> , 2015 , 9, 145-149	3.1	8

69	A note on the interpolated or real-valued h-index with a generalization for fractional counting. <i>Aslib Journal of Information Management</i> , 2014 , 66, 2-12	1.5	8
68	Increase in numbers and proportions of review articles in Tropical Medicine, Infectious Diseases, and oncology. <i>Journal of the Association for Information Science and Technology</i> , 2014 , 65, 201-205	2.7	8
67	Key labs and open labs in the Chinese scientific research system: qualitative and quantitative evaluation indicators. <i>Research Evaluation</i> , 2005 , 14, 103-109	1.7	8
66	Delayed recognition: recent developments and a proposal to study this phenomenon as a fuzzy concept. <i>Journal of Data and Information Science</i> , 2018 , 3, 1-13	1.2	8
65	Measuring cognitive distance between publication portfolios. <i>Journal of Informetrics</i> , 2017 , 11, 583-594	3.1	7
64	A refined method for computing bibliographic coupling strengths. <i>Journal of Informetrics</i> , 2019 , 13, 605-615	3.15	7
63	A simple approach to describe a company's innovative activities and their technological breadth. <i>Scientometrics</i> , 2015 , 102, 1401-1411	3	7
62	Ratios of h-cores, h-tails and uncited sources in sets of scientific papers and technical patents. <i>Journal of Informetrics</i> , 2013 , 7, 190-197	3.1	7
61	Metric-wiseness. <i>Journal of the Association for Information Science and Technology</i> , 2015 , 66, 2389-2389	2.7	7
60	Structural indicators in citation networks. <i>Scientometrics</i> , 2012 , 91, 451-460	3	7
59	How important is scientific software in bioinformatics research? A comparative study between international and Chinese research communities. <i>Journal of the Association for Information Science and Technology</i> , 2018 , 69, 1122-1133	2.7	7
58	Under-cited influential work by Eugene Garfield. <i>Scientometrics</i> , 2018 , 114, 651-657	3	6
57	Is the expertise of evaluation panels congruent with the research interests of the research groups: A quantitative approach based on barycenters. <i>Journal of Informetrics</i> , 2015 , 9, 704-721	3.1	6
56	A visual representation of relative first-citation times. <i>Journal of the Association for Information Science and Technology</i> , 2012 , 63, 1420-1425		6
55	Infinite sequences and their h-type indices. <i>Journal of Informetrics</i> , 2019 , 13, 291-298	3.1	6
54	BIBLIOMETRIC TECHNIQUES AND THEIR USE IN BUSINESS AND ECONOMICS RESEARCH. <i>Journal of Economic Surveys</i> ,	3.8	6
53	The role of the Chinese Key Labs in the international and national scientific arena revisited. <i>Research Evaluation</i> , 2017 , 26, 132-143	1.7	5
52	Heterogeneity in an undirected network: Definition and measurement. <i>Journal of Informetrics</i> , 2017 , 11, 669-682	3.1	5

51	Polar coordinates and generalized h-type indices. <i>Journal of Informetrics</i> , 2020 , 14, 101024	3.1	5
50	Contributions of chinese authors in PLOS ONE. <i>Journal of the Association for Information Science and Technology</i> , 2016 , 67, 543-549	2.7	5
49	Ranking dynamics and volatility. <i>Journal of Informetrics</i> , 2018 , 12, 567-578	3.1	5
48	Mathematical properties of Q-measures. <i>Journal of Informetrics</i> , 2013 , 7, 737-745	3.1	5
47	Updating the journal impact factor or total overhaul?. <i>Scientometrics</i> , 2012 , 92, 413-417	3	5
46	Spectral methods for detecting periodicity in library circulation data: A case study. <i>Information Processing and Management</i> , 1997 , 33, 393-403	6.3	5
45	Lorenz Curves Determine Partial Orders for Comparing Network Structures. <i>DESIDOC Journal of Library and Information Technology</i> , 2011 , 31, 340-347	1.4	5
44	The h-index formalism. <i>Scientometrics</i> , 2020 , 126, 6137	3	5
43	A geometric relation between the h-index and the Lorenz curve. <i>Scientometrics</i> , 2019 , 119, 1281-1284	3	4
42	Unnormalized and normalized forms of gefura measures in directed and undirected networks. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2015 , 16, 311-320	2.2	4
41	Reflections on and a short review of the science of team science. <i>Scientometrics</i> , 2020 , 125, 937-950	3	4
40	Do papers with an institutional e-mail address receive more citations than those with a non-institutional one?. <i>Scientometrics</i> , 2018 , 115, 1039-1050	3	4
39	Hibernators, their awakers and the roles of subsequent authoritative citers. <i>Malaysian Journal of Library and Information Science</i> , 2018 , 23, 103-113	1.8	4
38	Using h-cores to study the most-cited articles of the twenty-first century. <i>Scientometrics</i> , 2016 , 108, 243-261	3.61	4
37	Positive correlation between journal production and journal impact factors. <i>Journal of Informetrics</i> , 2016 , 10, 567-568	3.1	4
36	Do citation chimeras exist? The case of under-cited influential articles suffering delayed recognition. <i>Journal of the Association for Information Science and Technology</i> , 2019 , 70, 499-508	2.7	3
35	Balassa = revealed competitive advantage = activity. <i>Scientometrics</i> , 2019 , 121, 1835-1836	3	3
34	Describing the development of molecular research in the context of nervous system diseases using year-based h-cores. <i>Journal of Information Science</i> , 2014 , 40, 107-114	2	3

33	Digital publishing and China's core scientific journals: a position paper. <i>Scientometrics</i> , 2014 , 98, 11-22	3	3
32	Knowledge diffusion through publications and citations: A case study using ESI-fields as unit of diffusion. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 61, n/a-n/a		3
31	Egghe's g-index is not a proper concentration measure. <i>Journal of the Association for Information Science and Technology</i> , 2015 , 66, 1518-1519	2.7	2
30	Comments on Impact coverage of the success-index by Leo Egghe. <i>Journal of Informetrics</i> , 2014 , 8, 491-492	3.1	2
29	Two time series, their meaning and some applications. <i>Journal of Informetrics</i> , 2013 , 7, 603-610	3.1	2
28	Cognitive Distances between Evaluators and Evaluatees in Research Evaluation: A Comparison between Three Informetric Methods at the Journal and Subject Category Aggregation Level. <i>Frontiers in Research Metrics and Analytics</i> , 2017 , 2,	1.3	2
27	Describing Citations as a Function of Time. <i>Journal of Data and Information Science</i> , 2020 , 5, 1-12	1.2	2
26	New Definitions and Applications of Year-Based h-indices. <i>Collnet Journal of Scientometrics and Information Management</i> , 2016 , 10, 321-332	0.5	2
25	h-Type indices, partial sums and the majorization order. <i>Quantitative Science Studies</i> , 2020 , 1, 320-330	3.8	2
24	A warning for Chinese academic evaluation systems: short-term bibliometric measures misjudge the value of pioneering contributions. <i>Journal of Zhejiang University: Science B</i> , 2018 , 19, 1-5	4.5	2
23	Measures of linear type lead to a characterization of Zipf functions. <i>Scientometrics</i> , 2019 , 121, 1707-1715		1
22	Interpolated sub-impact factor (SIF) sequences for journal rankings. <i>Journal of Informetrics</i> , 2015 , 9, 907-914	3.14	1
21	An addendum and correction to Mathematical properties of Q-measures (vol. 7, issue 3, pp. 737-745). <i>Journal of Informetrics</i> , 2014 , 8, 486-490	3.1	1
20	Calculating the Outgrow Index and Similar Structural Indicators: A simple Software Program for Visualizing Outcomes. <i>Collnet Journal of Scientometrics and Information Management</i> , 2014 , 8, 31-40	0.5	1
19	Modelling Continuous Percentile Rank Scores and Integrated Impact Indicators (I3) / Une modélisation des notations continues de classement par pourcentage et des indicateurs intégrés d'impact (I3). <i>Canadian Journal of Information & Library Sciences</i> , 2013 , 37, 201-206		1
18	Gauging a Firm's Innovative Performance Using an Integrated Structural Index for Patents. <i>Journal of Data and Information Science</i> , 2017 , 1, 6-27	1.2	1
17	Partial orders for zero-sum arrays with applications to network theory. <i>Journal of Informetrics</i> , 2017 , 11, 257-274	3.1	1
16	Sparkling and Igniting Key Publications of 2020 Nobel Prize Laureates. <i>Journal of Data and Information Science</i> , 2021 , 6, 28-40	1.2	1

15	COVID-19, the Yule-Simpson paradox and research evaluation. <i>Scientometrics</i> , 2021 , 126, 1-11	3	1
14	Measuring the relative intensity of collaboration within a network. <i>Scientometrics</i> , 2021 , 126, 8673-8682	3	1
13	Bilateral Co-authorship Indicators Based on Fractional Counting. <i>Journal of Data and Information Science</i> , 2021 , 6, 1-12	1.2	0
12	Mathematical reflections on Triple Helix calculations. <i>Scientometrics</i> , 2021 , 126, 8581-8587	3	0
11	Is low interdisciplinarity of references an unexpected characteristic of Nobel Prize winning research?. <i>Scientometrics</i> , 2022 , 127, 2105-2122	3	0
10	Dynamic aspects of domination networks. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020 , 21, 635-648	2.2	
9	Minimal Impact One-Dimensional Arrays. <i>Mathematics</i> , 2020 , 8, 811	2.3	
8	From a Success Index to a Success Multiplier 2016 , 148-164		
7	A refinement of Egghe's increment studies. <i>Journal of Informetrics</i> , 2014 , 8, 212-216	3.1	
6	Reply to Comment on Using multi-level frontiers in DEA models to grade countries/territories by G.-l. Yang et al. [Journal of Informetrics 10(1) (2016), 238-253] <i>Journal of Informetrics</i> , 2017 , 11, 647-648	3.1	
5	A Preliminary Study of the Relationship between the h-Index and Excess Citations / Étude préliminaire de la relation entre l'indice de Hirsch (indice-h) et les citations excédentaires. <i>Canadian Journal of Information & Library Sciences</i> , 2014 , 38, 127-144		
4	Festschrifts in the information sciences, with special attention to Eugene Garfield's festschrift The Web of Knowledge <i>Collnet Journal of Scientometrics and Information Management</i> , 2012 , 6, 7-16	0.5	
3	Equalities between h-type Indices and Definitions of Rational h-type Indicators. <i>Journal of Data and Information Science</i> , 2019 , 4, 22-31	1.2	
2	Reflections on Tools and Methods for Differentiated Assessments of Individual Scientists, Groups of Scientists and Scientific Journals. <i>Journal of Data and Information Science</i> , 2019 , 4, 1-5	1.2	
1	An under-recognized meta-table: Nancy Clark's table tamer. <i>Collnet Journal of Scientometrics and Information Management</i> , 2018 , 12, 233-241	0.5	