

Ronald Rousseau

List of Publications by Year in descending order

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145
papers

4,793
citations

218592

26
h-index

110317

64
g-index

148
all docs

148
docs citations

148
times ranked

3546
citing authors

#	ARTICLE	IF	CITATIONS
1	Social network analysis: a powerful strategy, also for the information sciences. <i>Journal of Information Science</i> , 2002, 28, 441-453.	2.0	1,196
2	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.	2.6	527
3	The R- and AR-indices: Complementing the h-index. <i>Science Bulletin</i> , 2007, 52, 855-863.	1.7	447
4	An informetric model for the Hirsch-index. <i>Scientometrics</i> , 2006, 69, 121-129.	1.6	263
5	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.	1.2	158
6	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.	1.5	131
7	On the definition of forward and backward citation generations. <i>Journal of Informetrics</i> , 2011, 5, 27-36.	1.4	66
8	Recommending research collaborations using link prediction and random forest classifiers. <i>Scientometrics</i> , 2014, 101, 1461-1473.	1.6	66
9	Forgotten founder of bibliometrics. <i>Nature</i> , 2014, 510, 218-218.	13.7	61
10	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.	0.4	59
11	Article impact calculated over arbitrary periods. <i>Journal of the Association for Information Science and Technology</i> , 2005, 56, 58-62.	2.6	58
12	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.	1.2	50
13	Measuring scientific contributions with modified fractional counting. <i>Journal of Informetrics</i> , 2019, 13, 679-694.	1.4	46
14	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.	1.1	45
15	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.	2.6	44
16	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.	2.6	44
17	Journal production and journal impact factors. <i>Journal of the Association for Information Science and Technology</i> , 1996, 47, 775-780.	1.2	43
18	A framework for knowledge integration and diffusion. <i>Journal of Documentation</i> , 2012, 68, 31-44.	0.9	43

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19	A general framework for describing diversity within systems and similarity between systems with applications in informetrics. <i>Scientometrics</i> , 2012, 93, 787-812.	1.6	38
20	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.	2.6	37
21	Properties of Hirsch-type indices: the case of library classification categories. <i>Scientometrics</i> , 2009, 79, 235-248.	1.6	35
22	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.	2.6	33
23	Non-English journals and papers in physics and chemistry: bias in citations?. <i>Scientometrics</i> , 2013, 95, 333-350.	1.6	30
24	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.	1.2	28
25	Measuring Biodiversity. <i>Acta Biotheoretica</i> , 1999, 47, 1-5.	0.7	28
26	Reflections on the activity index and related indicators. <i>Journal of Informetrics</i> , 2012, 6, 413-421.	1.4	28
27	Definitions of time series in citation analysis with special attention to the h-index. <i>Journal of Informetrics</i> , 2008, 2, 202-210.	1.4	27
28	The h-bubble. <i>Journal of Informetrics</i> , 2013, 7, 294-300.	1.4	27
29	Scientific influence is not always visible: The phenomenon of under-cited influential publications. <i>Journal of Informetrics</i> , 2016, 10, 1079-1091.	1.4	26
30	Diffusion factors. <i>Journal of Documentation</i> , 2006, 62, 58-72.	0.9	25
31	Betweenness centrality and Q-measures in directed valued networks. <i>Scientometrics</i> , 2008, 75, 575-590.	1.6	25
32	Institution name disambiguation for research assessment. <i>Scientometrics</i> , 2014, 99, 823-838.	1.6	24
33	The repeat rate: from Hirschman to Stirling. <i>Scientometrics</i> , 2018, 116, 645-653.	1.6	24
34	On the Leydesdorff-Wagner-Bornmann proposal for diversity measurement. <i>Journal of Informetrics</i> , 2019, 13, 906-907.	1.4	23
35	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.	0.9	22
36	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.	2.6	22

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37	Evaluating Environmental and Resource Economics Journals: A TOP-Curve Approach. Review of Environmental Economics and Policy, 2009, 3, 270-287.	3.1	21
38	A study on directional returns to scale. Journal of Informetrics, 2014, 8, 628-641.	1.4	21
39	Editorial delay and its relation to subsequent citations: the journals Nature, Science and Cell. Scientometrics, 2015, 105, 1867-1873.	1.6	21
40	Nobel Prize winners 2016: Igniting or sparking foundational publications?. Scientometrics, 2017, 110, 1053-1063.	1.6	21
41	Year-based h-type indicators. Scientometrics, 2013, 96, 785-797.	1.6	20
42	A layered framework to study collaboration as a form of knowledge sharing and diffusion. Journal of Informetrics, 2013, 7, 651-664.	1.4	20
43	Measuring co-authors' contribution to an article's visibility. Scientometrics, 2013, 95, 55-67.	1.6	20
44	Knowledge diffusion through publications and citations: A case study using ESI fields as unit of diffusion. Journal of the Association for Information Science and Technology, 2010, 61, 340-351.	2.6	19
45	Towards a representation of diffusion and interaction of scientific ideas: The case of fiber optics communication. Information Processing and Management, 2012, 48, 791-801.	5.4	19
46	Being metric-wise: Heterogeneity in bibliometric knowledge. Profesional De La Informacion, 2017, 26, 480.	2.7	19
47	Citation data as a proxy for quality or scientific influence are at best PAC (probably) Tj ETQq1 1 0.784314 rgBT /Overlock 3092-3094.	1.5	18
48	Does international collaboration yield a higher citation potential for US scientists publishing in highly visible interdisciplinary Journals?. Journal of the Association for Information Science and Technology, 2016, 67, 1009-1013.	1.5	18
49	Interrelations among scientific fields and their relative influences revealed by an input-output analysis. Journal of Informetrics, 2016, 10, 82-97.	1.4	18
50	Knowledge Integration: Its Meaning and Measurement. Springer Handbooks, 2019, , 69-94.	0.3	18
51	A relation between h-index and impact factor in the power-law model. Journal of the Association for Information Science and Technology, 2009, 60, 2362-2365.	2.6	17
52	Using multi-level frontiers in DEA models to grade countries/territories. Journal of Informetrics, 2016, 10, 238-253.	1.4	17
53	BIBLIOMETRIC TECHNIQUES AND THEIR USE IN BUSINESS AND ECONOMICS RESEARCH. Journal of Economic Surveys, 2021, 35, 1428-1451.	3.7	17
54	The Hirsch index of a shifted Lotka function and its relation with the impact factor. Journal of the Association for Information Science and Technology, 2012, 63, 1048-1053.	2.6	16

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55	Comments on "A Hirsch-type index of co-author partnership ability". <i>Scientometrics</i> , 2012, 91, 309-310.	1.6	16
56	Interestingness and the essence of citation. <i>Journal of Documentation</i> , 2013, 69, 580-589.	0.9	16
57	Basic independence axioms for the publication-citation system. <i>Journal of Scientometric Research</i> , 2012, 1, 22-27.	0.3	16
58	Aggregation properties of relative impact and other classical indicators: Convexity issues and the Yule-Simpson paradox. <i>Scientometrics</i> , 2009, 79, 311-327.	1.6	15
59	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.	1.4	15
60	A measure for the cohesion of weighted networks. <i>Journal of the Association for Information Science and Technology</i> , 2003, 54, 193-202.	2.6	14
61	Scientists' referencing (mis)behavior revealed by the dissemination network of referencing errors. <i>Scientometrics</i> , 2014, 101, 1973-1986.	1.6	14
62	The F-measure for Research Priority. <i>Journal of Data and Information Science</i> , 2018, 3, 1-18.	0.5	14
63	How to measure own-group preference? A novel approach to a sociometric problem. <i>Scientometrics</i> , 2004, 59, 233-252.	1.6	13
64	Introducing sub-impact factor (SIF-) sequences and an aggregated SIF-indicator for journal ranking. <i>Scientometrics</i> , 2015, 102, 1577-1593.	1.6	13
65	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.	1.5	13
66	Document-type country profiles. <i>Journal of the Association for Information Science and Technology</i> , 2011, 62, 1403-1411.	2.6	12
67	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.	1.3	12
68	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.	1.4	12
69	From a word to a world: the current situation in the interdisciplinary field of synthetic biology. <i>PeerJ</i> , 2015, 3, e728.	0.9	12
70	Key labs and open labs in the Chinese scientific research system: qualitative and quantitative evaluation indicators. <i>Research Evaluation</i> , 2005, 14, 103-109.	1.3	11
71	Structural indicators in citation networks. <i>Scientometrics</i> , 2012, 91, 451-460.	1.6	11
72	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.	1.5	11

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73	Uncited papers, uncited authors and uncited topics: A case study in library and information science. <i>Journal of Informetrics</i> , 2015, 9, 50-58.	1.4	11
74	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.	1.6	11
75	A refined method for computing bibliographic coupling strengths. <i>Journal of Informetrics</i> , 2019, 13, 605-615.	1.4	11
76	Reflections on and a short review of the science of team science. <i>Scientometrics</i> , 2020, 125, 937-950.	1.6	11
77	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.	0.5	11
78	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.	1.4	10
79	Citation analysis and the development of science: A case study using articles by some <scp>N</scp>obel prize winners. <i>Journal of the Association for Information Science and Technology</i> , 2014, 65, 281-289.	1.5	10
80	A simple approach to describe a company's innovative activities and their technological breadth. <i>Scientometrics</i> , 2015, 102, 1401-1411.	1.6	10
81	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.	1.6	10
82	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.	1.4	9
83	Metric-wiseness. <i>Journal of the Association for Information Science and Technology</i> , 2015, 66, 2389-2389.	1.5	9
84	Positive correlation between journal production and journal impact factors. <i>Journal of Informetrics</i> , 2016, 10, 567-568.	1.4	9
85	Heterogeneity in an undirected network: Definition and measurement. <i>Journal of Informetrics</i> , 2017, 11, 669-682.	1.4	9
86	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.	1.5	9
87	Infinite sequences and their h-type indices. <i>Journal of Informetrics</i> , 2019, 13, 291-298.	1.4	9
88	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.	1.4	8
89	A general conceptual framework for characterizing the ego in a network. <i>Journal of Informetrics</i> , 2015, 9, 145-149.	1.4	8
90	Using h-cores to study the most-cited articles of the twenty-first century. <i>Scientometrics</i> , 2016, 108, 243-261.	1.6	8

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91	Measuring cognitive distance between publication portfolios. <i>Journal of Informetrics</i> , 2017, 11, 583-594.	1.4	8
92	Ranking dynamics and volatility. <i>Journal of Informetrics</i> , 2018, 12, 567-578.	1.4	8
93	The h-index formalism. <i>Scientometrics</i> , 2021, 126, 6137-6145.	1.6	8
94	Measuring the relative intensity of collaboration within a network. <i>Scientometrics</i> , 2021, 126, 8673-8682.	1.6	8
95	Updating the journal impact factor or total overhaul?. <i>Scientometrics</i> , 2012, 92, 413-417.	1.6	7
96	A visual representation of relative first-citation times. <i>Journal of the Association for Information Science and Technology</i> , 2012, 63, 1420-1425.	2.6	7
97	The role of the Chinese Key Labs in the international and national scientific arena revisited. <i>Research Evaluation</i> , 2017, 26, 132-143.	1.3	7
98	Polar coordinates and generalized h-type indices. <i>Journal of Informetrics</i> , 2020, 14, 101024.	1.4	7
99	Spectral methods for detecting periodicity in library circulation data: A case study. <i>Information Processing and Management</i> , 1997, 33, 393-403.	5.4	6
100	Mathematical properties of Q-measures. <i>Journal of Informetrics</i> , 2013, 7, 737-745.	1.4	6
101	Under-cited influential work by Eugene Garfield. <i>Scientometrics</i> , 2018, 114, 651-657.	1.6	6
102	A geometric relation between the h-index and the Lorenz curve. <i>Scientometrics</i> , 2019, 119, 1281-1284.	1.6	6
103	Lorenz Curves Determine Partial Orders for Comparing Network Structures. <i>DESIDOC Journal of Library and Information Technology</i> , 2011, 31, 340-347.	0.3	6
104	Is low interdisciplinarity of references an unexpected characteristic of Nobel Prize winning research?. <i>Scientometrics</i> , 2022, 127, 2105-2122.	1.6	6
105	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.	1.5	5
106	Contributions of chinese authors in <sc><i>PLOS ONE</i></sc>. <i>Journal of the Association for Information Science and Technology</i> , 2016, 67, 543-549.	1.5	5
107	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, .	0.9	5
108	Balassaâ€™s revealed competitive advantageâ€™s activity. <i>Scientometrics</i> , 2019, 121, 1835-1836.	1.6	5

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109	Going Back in Time: Understanding Patterns of International Scientific Collaboration. <i>Journal of Scientometric Research</i> , 2021, 10, 126-129.	0.3	5
110	Hibernators, their awakers and the roles of subsequent authoritative citers. <i>Malaysian Journal of Library and Information Science</i> , 2018, 23, 103-113.	0.3	5
111	Digital publishing and China's core scientific journals: a position paper. <i>Scientometrics</i> , 2014, 98, 11-22.	1.6	4
112	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.	1.5	4
113	Sparking and Igniting Key Publications of 2020 Nobel Prize Laureates. <i>Journal of Data and Information Science</i> , 2021, 6, 28-40.	0.5	4
114	The h^3 index of academic journals. <i>Malaysian Journal of Library and Information Science</i> , 2019, 24, 41-53.	0.3	4
115	Describing Citations as a Function of Time. <i>Journal of Data and Information Science</i> , 2020, 5, 1-12.	0.5	4
116	Rank-frequency data and impact in a continuous model: Introducing impact bundles. <i>Journal of Informetrics</i> , 2022, 16, 101297.	1.4	4
117	Two time series, their meaning and some applications. <i>Journal of Informetrics</i> , 2013, 7, 603-610.	1.4	3
118	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.	2.0	3
119	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.	1.5	3
120	New Definitions and Applications of Year-Based h-indices. <i>Collnet Journal of Scientometrics and Information Management</i> , 2016, 10, 321-332.	0.4	3
121	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.	1.3	3
122	COVID-19, the Yule-Simpson paradox and research evaluation. <i>Scientometrics</i> , 2021, 126, 3501-3511.	1.6	3
123	Mathematical reflections on Triple Helix calculations. <i>Scientometrics</i> , 2021, 126, 8581-8587.	1.6	3
124	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.	0.4	2
125	Comments on Impact coverage of the success-index by Leo Egghe. <i>Journal of Informetrics</i> , 2014, 8, 491-492.	1.4	2
126	Interpolated sub-impact factor (SIF) sequences for journal rankings. <i>Journal of Informetrics</i> , 2015, 9, 907-914.	1.4	2

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127	Measures of linear type lead to a characterization of Zipf functions. <i>Scientometrics</i> , 2019, 121, 1707-1715.	1.6	2
128	h-Type indices, partial sums and the majorization order. <i>Quantitative Science Studies</i> , 2020, 1, 320-330.	1.6	2
129	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.	0.1	1
130	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.	1.4	1
131	A refinement of Egghe's increment studies. <i>Journal of Informetrics</i> , 2014, 8, 212-216.	1.4	1
132	Partial orders for zero-sum arrays with applications to network theory. <i>Journal of Informetrics</i> , 2017, 11, 257-274.	1.4	1
133	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.	0.5	1
134	Ego Citation Networks Considered as Domination Networks. <i>Journal of Scientometric Research</i> , 2019, 8, 01-08.	0.3	1
135	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.	0.5	1
136	Bilateral Co-authorship Indicators Based on Fractional Counting. <i>Journal of Data and Information Science</i> , 2021, 6, 1-12.	0.5	1
137	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.	0.4	0
138	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.	0.1	0
139	From a Success Index to a Success Multiplier. , 2016, , 148-164.		0
140	Reply to "Comment on "Using multi-level frontiers in DEA models to grade countries/territories" by G.-l. Yang et al. [<i>Journal of Informetrics</i> 10(1) (2016), 238-253]". <i>Journal of Informetrics</i> , 2017, 11, 647-648.	1.4	0
141	An under-recognized meta-table: Nancy Clark's table tamer. <i>Collnet Journal of Scientometrics and Information Management</i> , 2018, 12, 233-241.	0.4	0
142	Dynamic aspects of domination networks. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 635-648.	1.5	0
143	Minimal Impact One-Dimensional Arrays. <i>Mathematics</i> , 2020, 8, 811.	1.1	0
144	Averages of impact factors : general contribution. <i>South African Journal of Library and Information Science</i> , 2013, 73, .	0.2	0

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145	Equalities between h-type Indices and Definitions of Rational h-type Indicators. Journal of Data and Information Science, 2019, 4, 22-31.	0.5	0