Ronald Rousseau

List of Publications by Year in Descending Order

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	Is low interdisciplinarity of references an unexpected characteristic of Nobel Prize winning research?. *Scientometrics*, **2022**, 127, 2105-2122	3	0
139	Bilateral Co-authorship Indicators Based on Fractional Counting. *Journal of Data and Information Science*, **2021**, 6, 1-12	1.2	0
138	Sparking and Igniting Key Publications of 2020 Nobel Prize Laureates. *Journal of Data and Information Science*, **2021**, 6, 28-40	1.2	1
137	COVID-19, the Yule-Simpson paradox and research evaluation. *Scientometrics*, **2021**, 126, 1-11	3	1
136	Mathematical reflections on Triple Helix calculations. *Scientometrics*, **2021**, 126, 8581-8587	3	0
135	Measuring the relative intensity of collaboration within a network. *Scientometrics*, **2021**, 126, 8673-8682	3	1
134	Reflections on and a short review of the science of team science. *Scientometrics*, **2020**, 125, 937-950	3	4
133	Dynamic aspects of domination networks. *Frontiers of Information Technology and Electronic Engineering*, **2020**, 21, 635-648	2.2	
132	Minimal Impact One-Dimensional Arrays. *Mathematics*, **2020**, 8, 811	2.3	
131	Polar coordinates and generalized h-type indices. *Journal of Informetrics*, **2020**, 14, 101024	3.1	5
130	Describing Citations as a Function of Time. *Journal of Data and Information Science*, **2020**, 5, 1-12	1.2	2
129	The h-index formalism. *Scientometrics*, **2020**, 126, 6137	3	5
128	h-Type indices, partial sums and the majorization order. *Quantitative Science Studies*, **2020**, 1, 320-330	3.8	2
127	Measures of linear type lead to a characterization of Zipf functions. *Scientometrics*, **2019**, 121, 1707-1715	3	1
126	A geometric relation between the h-index and the Lorenz curve. *Scientometrics*, **2019**, 119, 1281-1284	3	4
125	A refined method for computing bibliographic coupling strengths. *Journal of Informetrics*, **2019**, 13, 605-615	3.1	7
124	On the Leydesdorff-Wagner-Bornmann proposal for diversity measurement. *Journal of Informetrics*, **2019**, 13, 906-907	3.1	13

123	Do citation chimeras exist? The case of under-cited influential articles suffering delayed recognition. *Journal of the Association for Information Science and Technology*, **2019**, 70, 499-508	2.7	3
122	Measuring scientific contributions with modified fractional counting. *Journal of Informetrics*, **2019**, 13, 679-694	3.1	26
121	Solution by step functions of a minimum problem in L2[0,T], using generalized h- and g-indices. *Journal of Informetrics*, **2019**, 13, 785-792	3.1	8
120	Balassa = revealed competitive advantage = activity. *Scientometrics*, **2019**, 121, 1835-1836	3	3
119	Equalities between h-type Indices and Definitions of Rational h-type Indicators. *Journal of Data and Information Science*, **2019**, 4, 22-31	1.2	
118	Reflections on Tools and Methods for Differentiated Assessments of Individual Scientists, Groups of Scientists and Scientific Journals. *Journal of Data and Information Science*, **2019**, 4, 1-5	1.2	
117	Knowledge Integration: Its Meaning and Measurement. *Springer Handbooks*, **2019**, 69-94	1.3	10
116	Infinite sequences and their h-type indices. *Journal of Informetrics*, **2019**, 13, 291-298	3.1	6
115	Do papers with an institutional e-mail address receive more citations than those with a non-institutional one?. *Scientometrics*, **2018**, 115, 1039-1050	3	4
114	The repeat rate: from Hirschman to Stirling. *Scientometrics*, **2018**, 116, 645-653	3	16
113	Growth of the hepatitis literature over the period 1976–2015: What can the relative priority index teach us?. *Scientometrics*, **2018**, 115, 351-368	3	9
112	The F-measure for Research Priority. *Journal of Data and Information Science*, **2018**, 3, 1-18	1.2	12
111	Under-cited influential work by Eugene Garfield. *Scientometrics*, **2018**, 114, 651-657	3	6
110	Ranking dynamics and volatility. *Journal of Informetrics*, **2018**, 12, 567-578	3.1	5
109	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. *Journal of Informetrics*, **2018**, 12, 842-857	3.1	10
108	Hibernators, their awakeners and the roles of subsequent authoritative citers. *Malaysian Journal of Library and Information Science*, **2018**, 23, 103-113	1.8	4
107	Delayed recognition: recent developments and a proposal to study this phenomenon as a fuzzy concept. *Journal of Data and Information Science*, **2018**, 3, 1-13	1.2	8
106	An under-recognized meta-table: Nancy Clark's table tamer. *Collnet Journal of Scientometrics and Information Management*, **2018**, 12, 233-241	0.5	

105	A warning for Chinese academic evaluation systems: short-term bibliometric measures misjudge the value of pioneering contributions. *Journal of Zhejiang University: Science B*, **2018**, 19, 1-5	4.5	2
104	How important is scientific software in bioinformatics research? A comparative study between international and Chinese research communities. *Journal of the Association for Information Science and Technology*, **2018**, 69, 1122-1133	2.7	7
103	The role of the Chinese Key Labs in the international and national scientific arena revisited. *Research Evaluation*, **2017**, 26, 132-143	1.7	5
102	Measuring cognitive distance between publication portfolios. *Journal of Informetrics*, **2017**, 11, 583-594	3.1	7
101	Heterogeneity in an undirected network: Definition and measurement. *Journal of Informetrics*, **2017**, 11, 669-682	3.1	5
100	Nobel Prize winners 2016: Igniting or sparking foundational publications?. *Scientometrics*, **2017**, 110, 1053-1063	3	11
99	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), 238253] *Journal of Informetrics*, **2017**, 11, 647-648	3.1	
98	A journal's impact factor is influenced by changes in publication delays of citing journals. *Journal of the Association for Information Science and Technology*, **2017**, 68, 780-789	2.7	9
97	Cognitive Distances between Evaluators and Evaluees in Research Evaluation: A Comparison between Three Informetric Methods at the Journal and Subject Category Aggregation Level. *Frontiers in Research Metrics and Analytics*, **2017**, 2,	1.3	2
96	Science deserves to be judged by its contents, not by its wrapping: Revisiting Seglen's work on journal impact and research evaluation. *PLoS ONE*, **2017**, 12, e0174205	3.7	31
95	Gauging a Firm Innovative Performance Using an Integrated Structural Index for Patents. *Journal of Data and Information Science*, **2017**, 1, 6-27	1.2	1
94	Being metric-wise: Heterogeneity in bibliometric knowledge. *Profesional De La Informacion*, **2017**, 26, 480	3.7	13
93	Partial orders for zero-sum arrays with applications to network theory. *Journal of Informetrics*, **2017**, 11, 257-274	3.1	1
92	Diversity of references as an indicator of the interdisciplinarity of journals: Taking similarity between subject fields into account. *Journal of the Association for Information Science and Technology*, **2016**, 67, 1257-1265	2.7	82
91	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	2.7	13
90	Contributions of chinese authors in PLOS ONE. *Journal of the Association for Information Science and Technology*, **2016**, 67, 543-549	2.7	5
89	Using multi-level frontiers in DEA models to grade countries/territories. *Journal of Informetrics*, **2016**, 10, 238-253	3.1	15
88	From a Success Index to a Success Multiplier **2016**, 148-164		

87	Interrelations among scientific fields and their relative influences revealed by an input–output analysis. *Journal of Informetrics*, **2016**, 10, 82-97	3.1	17
86	Citation data as a proxy for quality or scientific influence are at best PAC (probably approximately correct). *Journal of the Association for Information Science and Technology*, **2016**, 67, 3092-3094	2.7	11
85	New Definitions and Applications of Year-Based h-indices. *Collnet Journal of Scientometrics and Information Management*, **2016**, 10, 321-332	0.5	2
84	Using h-cores to study the most-cited articles of the twenty-first century. *Scientometrics*, **2016**, 108, 243-261	3	4
83	Positive correlation between journal production and journal impact factors. *Journal of Informetrics*, **2016**, 10, 567-568	3.1	4
82	Scientific influence is not always visible: The phenomenon of under-cited influential publications. *Journal of Informetrics*, **2016**, 10, 1079-1091	3.1	19
81	A simple approach to describe a company's innovative activities and their technological breadth. *Scientometrics*, **2015**, 102, 1401-1411	3	7
80	Unnormalized and normalized forms of gefura measures in directed and undirected networks. *Frontiers of Information Technology and Electronic Engineering*, **2015**, 16, 311-320	2.2	4
79	Editorial delay and its relation to subsequent citations: the journals Nature, Science and Cell. *Scientometrics*, **2015**, 105, 1867-1873	3	13
78	Interpolated sub-impact factor (SIF) sequences for journal rankings. *Journal of Informetrics*, **2015**, 9, 907-914	3.1	1
77	Uncited papers, uncited authors and uncited topics: A case study in library and information science. *Journal of Informetrics*, **2015**, 9, 50-58	3.1	8
76	Egghe's g-index is not a proper concentration measure. *Journal of the Association for Information Science and Technology*, **2015**, 66, 1518-1519	2.7	2
75	Introducing sub-impact factor (SIF-) sequences and an aggregated SIF-indicator for journal ranking. *Scientometrics*, **2015**, 102, 1577-1593	3	10
74	Metric-wiseness. *Journal of the Association for Information Science and Technology*, **2015**, 66, 2389-2389	2.7	7
73	Is the expertise of evaluation panels congruent with the research interests of the research groups: A quantitative approach based on barycenters. *Journal of Informetrics*, **2015**, 9, 704-721	3.1	6
72	A general conceptual framework for characterizing the ego in a network. *Journal of Informetrics*, **2015**, 9, 145-149	3.1	8
71	From a word to a world: the current situation in the interdisciplinary field of synthetic biology. *PeerJ*, **2015**, 3, e728	3.1	11
70	Scientists' referencing (mis)behavior revealed by the dissemination network of referencing errors. *Scientometrics*, **2014**, 101, 1973-1986	3	12

69	An addendum and correction to "Mathematical properties of Q-measures" (vol. 7, issue 3, pp. 737–745). *Journal of Informetrics*, **2014**, 8, 486-490	3.1	1
68	Citation analysis and the development of science: A case study using articles by some Nobel prize winners. *Journal of the Association for Information Science and Technology*, **2014**, 65, 281-289	2.7	9
67	Institution name disambiguation for research assessment. *Scientometrics*, **2014**, 99, 823-838	3	19
66	Recommending research collaborations using link prediction and random forest classifiers. *Scientometrics*, **2014**, 101, 1461-1473	3	55
65	Describing the development of molecular research in the context of nervous system diseases using year-based h-cores. *Journal of Information Science*, **2014**, 40, 107-114	2	3
64	Calculating the Outgrow Index and Similar Structural Indicators: A simple Software Program for Visualizing Outcomes. *Collnet Journal of Scientometrics and Information Management*, **2014**, 8, 31-40	0.5	1
63	Comments on "Impact coverage of the success-index" by Leo Egghe. *Journal of Informetrics*, **2014**, 8, 491-492	3.1	2
62	A refinement of Egghe's increment studies. *Journal of Informetrics*, **2014**, 8, 212-216	3.1	
61	Library science: Forgotten founder of bibliometrics. *Nature*, **2014**, 510, 218	50.4	28
60	A study on directional returns to scale. *Journal of Informetrics*, **2014**, 8, 628-641	3.1	18
59	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. *Canadian Journal of Information & Library Sciences*, **2014**, 38, 127-144		
58	A note on the interpolated or real-valued h-index with a generalization for fractional counting. *Aslib Journal of Information Management*, **2014**, 66, 2-12	1.5	8
57	Increase in numbers and proportions of review articles in Tropical Medicine, Infectious Diseases, and oncology. *Journal of the Association for Information Science and Technology*, **2014**, 65, 201-205	2.7	8
56	Digital publishing and China's core scientific journals: a position paper. *Scientometrics*, **2014**, 98, 11-22	3	3
55	Non-English journals and papers in physics and chemistry: bias in citations?. *Scientometrics*, **2013**, 95, 333-350	3	19
54	Year-based h-type indicators. *Scientometrics*, **2013**, 96, 785-797	3	14
53	Mathematical properties of Q-measures. *Journal of Informetrics*, **2013**, 7, 737-745	3.1	5
52	A layered framework to study collaboration as a form of knowledge sharing and diffusion. *Journal of Informetrics*, **2013**, 7, 651-664	3.1	16

51	The h-bubble. *Journal of Informetrics*, **2013**, 7, 294-300	3.1	25
50	Ratios of h-cores, h-tails and uncited sources in sets of scientific papers and technical patents. *Journal of Informetrics*, **2013**, 7, 190-197	3.1	7
49	Two time series, their meaning and some applications. *Journal of Informetrics*, **2013**, 7, 603-610	3.1	2
48	Measuring co-authors' contribution to an article's visibility. *Scientometrics*, **2013**, 95, 55-67	3	15
47	Interestingness and the essence of citation. *Journal of Documentation*, **2013**, 69, 580-589	1.3	10
46	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). *Canadian Journal of Information & Library Sciences*, **2013**, 37, 201-206		1
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	6.3	14
44	Reflections on the activity index and related indicators. *Journal of Informetrics*, **2012**, 6, 413-421	3.1	22
43	Basic properties of both percentile rank scores and the I3 indicator. *Journal of the Association for Information Science and Technology*, **2012**, 63, 416-420		39
42	A general framework for describing diversity within systems and similarity between systems with applications in informetrics. *Scientometrics*, **2012**, 93, 787-812	3	32
41	A framework for knowledge integration and diffusion. *Journal of Documentation*, **2012**, 68, 31-44	1.3	34
40	Festschrifts in the information sciences, with special attention to Eugene Garfield's festschrift 'The Web of Knowledge'. *Collnet Journal of Scientometrics and Information Management*, **2012**, 6, 7-16	0.5	
39	Updating the journal impact factor or total overhaul?. *Scientometrics*, **2012**, 92, 413-417	3	5
38	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		13
37	A new approach for measuring the value of patents based on structural indicators for ego patent citation networks. *Journal of the Association for Information Science and Technology*, **2012**, 63, 1834-1842		22
36	Interactions between journal attributes and authors' willingness to wait for editorial decisions. *Journal of the Association for Information Science and Technology*, **2012**, 63, 1213-1225		15
35	A visual representation of relative first-citation times. *Journal of the Association for Information Science and Technology*, **2012**, 63, 1420-1425		6
34	Structural indicators in citation networks. *Scientometrics*, **2012**, 91, 451-460	3	7

33	Comments on A Hirsch-type index of co-author partnership ability. *Scientometrics*, **2012**, 91, 309-310	3	13
32	Basic independence axioms for the publication-citation system. *Journal of Scientometric Research*, **2012**, 1, 22-27	1.9	12
31	On the definition of forward and backward citation generations. *Journal of Informetrics*, **2011**, 5, 27-36	3.1	49
30	Document-type country profiles. *Journal of the Association for Information Science and Technology*, **2011**, 62, 1403-1411		10
29	Thoughts on uncitedness: Nobel laureates and Fields medalists as case studies. *Journal of the Association for Information Science and Technology*, **2011**, 62, 1637-1644		33
28	Lorenz Curves Determine Partial Orders for Comparing Network Structures. *DESIDOC Journal of Library and Information Technology*, **2011**, 31, 340-347	1.4	5
27	A discussion of Prathap's h2-index for institutional evaluation with an application in the field of HIV infection and therapy. *Journal of Informetrics*, **2010**, 4, 175-184	3.1	10
26	Evaluating Environmental and Resource Economics Journals: A TOP-Curve Approach. *Review of Environmental Economics and Policy*, **2009**, 3, 270-287	6	18
25	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		15
24	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*, **2009**, 61, n/a-n/a		3
23	Properties of Hirsch-type indices: the case of library classification categories. *Scientometrics*, **2009**, 79, 235-248	3	30
22	Aggregation properties of relative impact and other classical indicators: Convexity issues and the Yule-Simpson paradox. *Scientometrics*, **2009**, 79, 311-327	3	13
21	Reflections on recent developments of the h-index and h-type indices. *Collnet Journal of Scientometrics and Information Management*, **2008**, 2, 1-8	0.5	47
20	Betweenness centrality and Q-measures in directed valued networks. *Scientometrics*, **2008**, 75, 575-590	3	20
19	Definitions of time series in citation analysis with special attention to the h-index. *Journal of Informetrics*, **2008**, 2, 202-210	3.1	23
18	The R- and AR-indices: Complementing the h-index. *Science Bulletin*, **2007**, 52, 855-863		354
17	Diffusion factors. *Journal of Documentation*, **2006**, 62, 58-72	1.3	23
16	An informetric model for the Hirsch-index. *Scientometrics*, **2006**, 69, 121-129	3	211

15	Key labs and open labs in the Chinese scientific research system: qualitative and quantitative evaluation indicators. *Research Evaluation*, **2005**, 14, 103-109	1.7	8
14	Article impact calculated over arbitrary periods. *Journal of the Association for Information Science and Technology*, **2005**, 56, 58-62		40
13	How to measure own-group preference? A novel approach to a sociometric problem. *Scientometrics* , **2004**, 59, 233-252	3	11
12	A measure for the cohesion of weighted networks. *Journal of the Association for Information Science and Technology*, **2003**, 54, 193-202		13
11	Requirements for a cocitation similarity measure, with special reference to Pearson's correlation coefficient. *Journal of the Association for Information Science and Technology*, **2003**, 54, 550-560		374
10	Social network analysis: a powerful strategy, also for the information sciences. *Journal of Information Science*, **2002**, 28, 441-453	2	889
9	Author inflation leads to a breakdown of Lotka's law. *Journal of the Association for Information Science and Technology*, **2001**, 52, 610-614		30
8	Observations concerning the two- and three-year synchronous impact factor, based on the Chinese science citation database. *Journal of Documentation*, **2001**, 57, 349-357	1.3	19
7	Methods for accrediting publications to authors or countries: Consequences for evaluation studies. *Journal of the Association for Information Science and Technology*, **2000**, 51, 145-157		127
6	The influence of publication delays on the observed aging distribution of scientific literature. *Journal of the Association for Information Science and Technology*, **2000**, 51, 158-165		35
5	Measuring Biodiversity. *Acta Biotheoretica*, **1999**, 47, 1-5	1.1	22
4	Spectral methods for detecting periodicity in library circulation data: A case study. *Information Processing and Management*, **1997**, 33, 393-403	6.3	5
3	Journal production and journal impact factors. *Journal of the Association for Information Science and Technology*, **1996**, 47, 775-780		32
2	Concentration and diversity of availability and use in information systems: A positive reinforcement model. *Journal of the Association for Information Science and Technology*, **1992**, 43, 391-395		21
1	BIBLIOMETRIC TECHNIQUES AND THEIR USE IN BUSINESS AND ECONOMICS RESEARCH. *Journal of Economic Surveys*,	3.8	6