

Loet Leydesdorff

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.

434
papers

20,571
citations

69
h-index

130
g-index

485
ext. papers

23,844
ext. citations

2.7
avg, IF

7.76
L-index

#	Paper	IF	Citations
434	The dynamics of innovation: from National Systems and Mode 2 to a Triple Helix of university-Industry-Government relations. <i>Research Policy</i> , 2000 , 29, 109-123	7.5	3686
433	Network structure, self-organization, and the growth of international collaboration in science. <i>Research Policy</i> , 2005 , 34, 1608-1618	7.5	578
432	The Triple Helix, Quadruple Helix, and an N-Tuple of Helices: Explanatory Models for Analyzing the Knowledge-Based Economy?. <i>Journal of the Knowledge Economy</i> , 2012 , 3, 25-35	1.3	367
431	The emergence of China as a leading nation in science. <i>Research Policy</i> , 2006 , 35, 83-104	7.5	346
430	A global map of science based on the ISI subject categories. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 60, 348-362		318
429	Regional Development in the Knowledge-Based Economy: The Construction of Advantage. <i>Journal of Technology Transfer</i> , 2006 , 31, 5-15	4.4	316
428	A review of theory and practice in scientometrics. <i>European Journal of Operational Research</i> , 2015 , 246, 1-19	5.6	313
427	How journal rankings can suppress interdisciplinary research: A comparison between Innovation Studies and Business & Management. <i>Research Policy</i> , 2012 , 41, 1262-1282	7.5	308
426	Betweenness centrality as an indicator of the interdisciplinarity of scientific journals. <i>Journal of the Association for Information Science and Technology</i> , 2007 , 58, 1303-1319		296
425	Science overlay maps: A new tool for research policy and library management. <i>Journal of the Association for Information Science and Technology</i> , 2010 , 61, 1871-1887		258
424	The Triple-Helix Model of Smart Cities: A Neo-Evolutionary Perspective. <i>Journal of Urban Technology</i> , 2011 , 18, 53-63	5.9	237
423	Luhmann, Habermas and the theory of communication. <i>Systems Research and Behavioral Science</i> , 2000 , 17, 273-288	1.8	223
422	The triple helix: an evolutionary model of innovations. <i>Research Policy</i> , 2000 , 29, 243-255	7.5	221
421	Co-occurrence matrices and their applications in information science: Extending ACA to the Web environment. <i>Journal of the Association for Information Science and Technology</i> , 2006 , 57, 1616-1628		218
420	Betweenness centrality as a driver of preferential attachment in the evolution of research collaboration networks. <i>Journal of Informetrics</i> , 2012 , 6, 403-412	3.1	210
419	Triple Helix indicators of knowledge-based innovation systems: Introduction to the special issue. <i>Research Policy</i> , 2006 , 35, 1441-1449	7.5	203
418	International collaboration in science and the formation of a core group. <i>Journal of Informetrics</i> , 2008 , 2, 317-325	3.1	197

4 ¹⁷	Theories of citation?. <i>Scientometrics</i> , 1998 , 43, 5-25	3	192
4 ¹⁶	Global maps of science based on the new Web-of-Science categories. <i>Scientometrics</i> , 2013 , 94, 589-593	3	157
4 ¹⁵	Measuring the knowledge base of regional innovation systems in Germany in terms of a Triple Helix dynamics. <i>Research Policy</i> , 2006 , 35, 1538-1553	7.5	153
4 ¹⁴	Longitudinal trends in networks of university-industry-government relations in South Korea: The role of programmatic incentives. <i>Research Policy</i> , 2010 , 39, 640-649	7.5	152
4 ¹³	Indicators of the interdisciplinarity of journals: Diversity, centrality, and citations. <i>Journal of Informetrics</i> , 2011 , 5, 87-100	3.1	145
4 ¹²	Caveats for the use of citation indicators in research and journal evaluations. <i>Journal of the Association for Information Science and Technology</i> , 2008 , 59, 278-287		144
4 ¹¹	Patterns of connections and movements in dual-map overlays: A new method of publication portfolio analysis. <i>Journal of the Association for Information Science and Technology</i> , 2014 , 65, 334-351	2.7	128
4 ¹⁰	How are new citation-based journal indicators adding to the bibliometric toolbox?. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 60, 1327-1336		126
4 ⁰⁹	Measuring the knowledge base of an economy in terms of triple-helix relations among Technology, organization, and territory. <i>Research Policy</i> , 2006 , 35, 181-199	7.5	122
4 ⁰⁸	Turning the tables on citation analysis one more time: Principles for comparing sets of documents. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 1370-1381		121
4 ⁰⁷	Main-path analysis and path-dependent transitions in HistCite-based historiograms. <i>Journal of the Association for Information Science and Technology</i> , 2008 , 59, 1948-1962		120
4 ⁰⁶	The use of percentiles and percentile rank classes in the analysis of bibliometric data: Opportunities and limits. <i>Journal of Informetrics</i> , 2013 , 7, 158-165	3.1	119
4 ⁰⁵	Is the United States losing ground in science? A global perspective on the world science system. <i>Scientometrics</i> , 2009 , 78, 23-36	3	119
4 ⁰⁴	The Continuing Growth of Global Cooperation Networks in Research: A Conundrum for National Governments. <i>PLoS ONE</i> , 2015 , 10, e0131816	3.7	118
4 ⁰³	Caveats for the journal and field normalizations in the CWTS (Leiden) evaluations of research performance. <i>Journal of Informetrics</i> , 2010 , 4, 423-430	3.1	118
4 ⁰²	On the normalization and visualization of author co-citation data: Salton's Cosine versus the Jaccard index. <i>Journal of the Association for Information Science and Technology</i> , 2008 , 59, 77-85		115
4 ⁰¹	The mutual information of university-industry-government relations: An indicator of the Triple Helix dynamics. <i>Scientometrics</i> , 2003 , 58, 445-467	3	115
4 ⁰⁰	Content-based and algorithmic classifications of journals: Perspectives on the dynamics of scientific communication and indexer effects. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 60, 1823-1835		114

399	Interactive overlay maps for US patent (USPTO) data based on International Patent Classification (IPC). <i>Scientometrics</i> , 2014 , 98, 1583-1599	3	111
398	Can scientific journals be classified in terms of aggregated journal-journal citation relations using the Journal Citation Reports?. <i>Journal of the Association for Information Science and Technology</i> , 2006 , 57, 601-613		111
397	Mapping the network of global science: comparing international co-authorships from 1990 to 2000. <i>International Journal of Technology and Globalisation</i> , 2005 , 1, 185	0.1	110
396	National and international dimensions of the Triple Helix in Japan: University-Industry-Government versus international coauthorship relations. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 60, 778-788		108
395	The new Excellence Indicator in the World Report of the SCImago Institutions Rankings 2011. <i>Journal of Informetrics</i> , 2012 , 6, 333-335	3.1	107
394	Are the contributions of China and Korea upsetting the world system of science?. <i>Scientometrics</i> , 2005 , 63, 617-630	3	105
393	Various methods for the mapping of science. <i>Scientometrics</i> , 1987 , 11, 295-324	3	103
392	Integrated impact indicators compared with impact factors: An alternative research design with policy implications. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 2133-2146		102
391	Scopus's source normalized impact per paper (SNIP) versus a journal impact factor based on fractional counting of citations. <i>Journal of the Association for Information Science and Technology</i> , 2010 , 61, 2365-2369		100
390	The Triple Helix of university-industry-government relations. <i>Scientometrics</i> , 2003 , 58, 191-203	3	99
389	Detecting the historical roots of research fields by reference publication year spectroscopy (RPYS). <i>Journal of the Association for Information Science and Technology</i> , 2014 , 65, 751-764	2.7	97
388	Why words and co-words cannot map the development of the sciences. <i>Journal of the Association for Information Science and Technology</i> , 1997 , 48, 418-427		95
387	A comparison of the knowledge-based innovation systems in the economies of South Korea and the Netherlands using Triple Helix indicators. <i>Scientometrics</i> , 2005 , 65, 3-27	3	95
386	The relation between Pearson's correlation coefficient r and Salton's cosine measure. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 60, 1027-1036		94
385	Scientometrics in a changing research landscape: bibliometrics has become an integral part of research quality evaluation and has been changing the practice of research. <i>EMBO Reports</i> , 2014 , 15, 1228-32	6.5	88
384	Regional Innovation Systems in Hungary: The Failing Synergy at the National Level. <i>Regional Studies</i> , 2011 , 45, 677-693	3.4	81
383	Measuring the meaning of words in contexts: An automated analysis of controversies about 'Monarch butterflies,' 'Frankenfoods,' and 'stem cells'. <i>Scientometrics</i> , 2006 , 67, 231-258	3	81
382	Has globalization strengthened South Korea's national research system? National and international dynamics of the Triple Helix of scientific co-authorship relationships in South Korea. <i>Scientometrics</i> , 2012 , 90, 163-176	3	79

381	International collaboration clusters in Africa. <i>Scientometrics</i> , 2014 , 98, 547-556	3	78
380	The triple helix perspective of innovation systems. <i>Technology Analysis and Strategic Management</i> , 2010 , 22, 789-804	3.2	78
379	The Future Location of Research and Technology Transfer 1999 , 24, 111-123		78
378	Interactive overlays of journals and the measurement of interdisciplinarity on the basis of aggregated journal citations. <i>Journal of the Association for Information Science and Technology</i> , 2013 , 64, 2573-2586		76
377	The decline of university patenting and the end of the Bayh-Dole effect. <i>Scientometrics</i> , 2010 , 83, 355-363		76
376	Metaphors and Diaphors in Science Communication: Mapping the Case of Stem Cell Research. <i>Science Communication</i> , 2005 , 27, 64-99	5.5	76
375	Dynamic animations of journal maps: Indicators of structural changes and interdisciplinary developments. <i>Journal of the Association for Information Science and Technology</i> , 2008 , 59, 1810-1818		75
374	How fractional counting of citations affects the impact factor: Normalization in terms of differences in citation potentials among fields of science. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 217-229		74
373	The delineation of specialties in terms of journals using the dynamic journal set of the SCI. <i>Scientometrics</i> , 1993 , 26, 135-156	3	74
372	Professional and citizen bibliometrics: complementarities and ambivalences in the development and use of indicators-a state-of-the-art report. <i>Scientometrics</i> , 2016 , 109, 2129-2150	3	73
371	The knowledge-based economy and the triple helix model. <i>Annual Review of Information Science & Technology</i> , 2010 , 44, 365-417		73
370	Nanotechnology as a field of science: Its delineation in terms of journals and patents. <i>Scientometrics</i> , 2007 , 70, 693-713	3	73
369	Normalization at the field level: Fractional counting of citations. <i>Journal of Informetrics</i> , 2010 , 4, 644-646	3.1	72
368	Is Inequality Among Universities Increasing? Gini Coefficients and the Elusive Rise of Elite Universities. <i>Minerva</i> , 2010 , 48, 55-72	1.9	71
367	Macro-level indicators of the relations between research funding and research output. <i>Journal of Informetrics</i> , 2009 , 3, 353-362	3.1	70
366	The semantic mapping of words and co-words in contexts. <i>Journal of Informetrics</i> , 2011 , 5, 469-475	3.1	70
365	Rotational symmetry and the transformation of innovation systems in a Triple Helix of university-industry-government relations. <i>Technological Forecasting and Social Change</i> , 2014 , 86, 143-156	9.5	69
364	Decomposing social and semantic networks in emerging Big data research. <i>Journal of Informetrics</i> , 2013 , 7, 756-765	3.1	69

363	Interactive overlays: A new method for generating global journal maps from Web-of-Science data. <i>Journal of Informetrics</i> , 2012 , 6, 318-332	3.1	69
362	Conference report: Can the public be considered as a fourth helix in university-industry-government relations? Report on the Fourth Triple Helix Conference, 2002. <i>Science and Public Policy</i> , 2003 , 30, 55-61	1.8	69
361	Open innovation and triple helix models of innovation: can synergy in innovation systems be measured?. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2016 , 2,	3.7	68
360	The operationalization of fields as WoS subject categories (WCs) in evaluative bibliometrics: The cases of library and information science and science & technology studies. <i>Journal of the Association for Information Science and Technology</i> , 2016 , 67, 707-714	2.7	68
359	The European Union, China, and the United States in the top-1% and top-10% layers of most-frequently cited publications: Competition and collaborations. <i>Journal of Informetrics</i> , 2014 , 8, 606-617	3.1	67
358	The validation of (advanced) bibliometric indicators through peer assessments: A comparative study using data from InCites and F1000. <i>Journal of Informetrics</i> , 2013 , 7, 286-291	3.1	67
357	The development of frames of references. <i>Scientometrics</i> , 1986 , 9, 103-125	3	67
356	Lock-in and break-out from technological trajectories: Modeling and policy implications. <i>Technological Forecasting and Social Change</i> , 2009 , 76, 932-941	9.5	66
355	The university-industry knowledge relationship: Analyzing patents and the science base of technologies. <i>Journal of the Association for Information Science and Technology</i> , 2004 , 55, 991-1001		66
354	Clusters and maps of science journals based on bi-connected graphs in Journal Citation Reports. <i>Journal of Documentation</i> , 2004 , 60, 371-427	1.3	65
353	Similarity measures, author cocitation analysis, and information theory. <i>Journal of the Association for Information Science and Technology</i> , 2005 , 56, 769-772		64
352	Growth of international collaboration in science: revisiting six specialties. <i>Scientometrics</i> , 2017 , 110, 1633-1652	6.2	62
351	Patent classifications as indicators of intellectual organization. <i>Journal of the Association for Information Science and Technology</i> , 2008 , 59, 1582-1597		62
350	Scaling trajectories in civil aircraft (1913-1997). <i>Research Policy</i> , 2000 , 29, 331-348	7.5	61
349	Tracking areas of strategic importance using scientometric journal mappings. <i>Research Policy</i> , 1994 , 23, 217-229	7.5	61
348	Dimensions of Citation Analysis. <i>Science Technology and Human Values</i> , 1990 , 15, 305-335	2.5	61
347	Introducing CitedReferencesExplorer (CRExplorer): A program for reference publication year spectroscopy with cited references standardization. <i>Journal of Informetrics</i> , 2016 , 10, 503-515	3.1	61
346	Local emergence and global diffusion of research technologies: An exploration of patterns of network formation. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 846-860		60

345	Implicit media frames: automated analysis of public debate on artificial sweeteners. <i>Public Understanding of Science</i> , 2010 , 19, 590-608	3.1	60
344	BRICS countries and scientific excellence: A bibliometric analysis of most frequently cited papers. <i>Journal of the Association for Information Science and Technology</i> , 2015 , 66, 1507-1513	2.7	59
343	Mapping change in scientific specialties: A scientometric reconstruction of the development of artificial intelligence. <i>Journal of the Association for Information Science and Technology</i> , 1996 , 47, 415-436		59
342	The static and dynamic analysis of network data using information theory. <i>Social Networks</i> , 1991 , 13, 301-345	3.9	59
341	Visualization of the citation impact environments of scientific journals: An online mapping exercise. <i>Journal of the Association for Information Science and Technology</i> , 2007 , 58, 25-38		58
340	International collaboration in science: the global map and the network. <i>Profesional De La Informacion</i> , 2013 , 22, 87-95	3.7	58
339	Alternatives to the journal impact factor: I3 and the top-10% (or top-25%?) of the most-highly cited papers. <i>Scientometrics</i> , 2012 , 92, 355-365	3	57
338	Mapping excellence in the geography of science: An approach based on Scopus data. <i>Journal of Informetrics</i> , 2011 , 5, 537-546	3.1	57
337	Which cities produce more excellent papers than can be expected? A new mapping approach, using Google Maps, based on statistical significance testing. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 1954-1962		57
336	A triple helix model of medical innovation: Supply, demand, and technological capabilities in terms of Medical Subject Headings. <i>Research Policy</i> , 2016 , 45, 666-681	7.5	56
335	Do scientific advancements lean on the shoulders of giants? A bibliometric investigation of the Ortega hypothesis. <i>PLoS ONE</i> , 2010 , 5, e13327	3.7	56
334	Past performance, peer review and project selection: a case study in the social and behavioral sciences. <i>Research Evaluation</i> , 2009 , 18, 273-288	1.7	56
333	Where is synergy indicated in the Norwegian innovation system? Triple-Helix relations among technology, organization, and geography. <i>Technological Forecasting and Social Change</i> , 2013 , 80, 471-484	8.5	55
332	Top-down decomposition of the Journal Citation Report of the Social Science Citation Index: Graph- and factor-analytical approaches. <i>Scientometrics</i> , 2004 , 60, 159-180	3	55
331	Citations: Indicators of significance?. <i>Scientometrics</i> , 1989 , 15, 449-471	3	55
330	How to evaluate universities in terms of their relative citation impacts: Fractional counting of citations and the normalization of differences among disciplines. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 1146-1155		54
329	How have the Eastern European countries of the former Warsaw Pact developed since 1990? A bibliometric study. <i>Scientometrics</i> , 2015 , 102, 1101-1117	3	53
328	A meta-evaluation of scientific research proposals: Different ways of comparing rejected to awarded applications. <i>Journal of Informetrics</i> , 2010 , 4, 211-220	3.1	53

327	Science shops: a kaleidoscope of science-society collaborations in Europe. <i>Public Understanding of Science</i> , 2005 , 14, 353-372	3.1	53
326	How to improve the prediction based on citation impact percentiles for years shortly after the publication date?. <i>Journal of Informetrics</i> , 2014 , 8, 175-180	3.1	52
325	Mapping interdisciplinarity at the interfaces between the Science Citation Index and the Social Science Citation Index. <i>Scientometrics</i> , 2007 , 71, 391-405	3	51
324	Bibliometric perspectives on medical innovation using the medical subject Headings of PubMed. <i>Journal of the Association for Information Science and Technology</i> , 2012 , 63, 2239-2253		49
323	The structure of the Arts & Humanities Citation Index: A mapping on the basis of aggregated citations among 1,157 journals. <i>Journal of the Association for Information Science and Technology</i> , 2011 , 62, 2414-2426		49
322	Knowledge linkage structures in communication studies using citation analysis among communication journals. <i>Scientometrics</i> , 2009 , 81, 157-175	3	47
321	Interdisciplinarity as diversity in citation patterns among journals: Rao-Stirling diversity, relative variety, and the Gini coefficient. <i>Journal of Informetrics</i> , 2019 , 13, 255-269	3.1	46
320	Strategic intelligence on emerging technologies: Scientometric overlay mapping. <i>Journal of the Association for Information Science and Technology</i> , 2017 , 68, 214-233	2.7	44
319	Mapping (USPTO) patent data using overlays to Google Maps. <i>Journal of the Association for Information Science and Technology</i> , 2012 , 63, 1442-1458		44
318	Betweenness and diversity in journal citation networks as measures of interdisciplinarity-A tribute to Eugene Garfield. <i>Scientometrics</i> , 2018 , 114, 567-592	3	43
317	The Swedish system of innovation: Regional synergies in a knowledge-based economy. <i>Journal of the Association for Information Science and Technology</i> , 2013 , 64, 1890-1902		43
316	Scientometrics and communication theory: Towards theoretically informed indicators. <i>Scientometrics</i> , 1997 , 38, 155-174	3	43
315	Co-word maps and topic modeling: A comparison using small and medium-sized corpora (N . <i>Journal of the Association for Information Science and Technology</i> , 2017 , 68, 1024-1035	2.7	42
314	The delineation of an interdisciplinary specialty in terms of a journal set: The case of communication studies. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 60, 1709-1718		42
313	The scientometrics of a Triple Helix of university-industry-government relations (Introduction to the topical issue). <i>Scientometrics</i> , 2007 , 70, 207-222	3	42
312	Mutual redundancies in interhuman communication systems: Steps toward a calculus of processing meaning. <i>Journal of the Association for Information Science and Technology</i> , 2014 , 65, 386-399	2.7	40
311	Turning to ontology in STS? Turning to STS through ontology. <i>Social Studies of Science</i> , 2013 , 43, 341-362.	2.4	40
310	Information metrics (iMetrics): a research specialty with a socio-cognitive identity?. <i>Scientometrics</i> , 2013 , 95, 141-157	3	40

309	Scientific Communication and Cognitive Codification: Social Systems Theory and the Sociology of Scientific Knowledge. <i>European Journal of Social Theory</i> , 2007 , 10, 375-388	1.5	40
308	Referenced Publication Years Spectroscopy applied to iMetrics: Scientometrics, Journal of Informetrics, and a relevant subset of JASIST. <i>Journal of Informetrics</i> , 2014 , 8, 162-174	3.1	39
307	A bird's-eye view of scientific trading: Dependency relations among fields of science. <i>Journal of Informetrics</i> , 2013 , 7, 249-264	3.1	39
306	Patents as instruments for exploring innovation dynamics: geographic and technological perspectives on photovoltaic cells. <i>Scientometrics</i> , 2015 , 102, 629-651	3	38
305	Macro-indicators of citation impacts of six prolific countries: InCites data and the statistical significance of trends. <i>PLoS ONE</i> , 2013 , 8, e56768	3.7	38
304	The relations between qualitative theory and scientometric methods in science and technology studies. <i>Scientometrics</i> , 1989 , 15, 333-347	3	38
303	Which percentile-based approach should be preferred for calculating normalized citation impact values? An empirical comparison of five approaches including a newly developed citation-rank approach (P100). <i>Journal of Informetrics</i> , 2013 , 7, 933-944	3.1	37
302	Group-based trajectory modeling (GBTM) of citations in scholarly literature: Dynamic qualities of transient and sticky knowledge claims. <i>Journal of the Association for Information Science and Technology</i> , 2014 , 65, 797-811	2.7	37
301	Definition and identification of journals as bibliographic and subject entities: Librarianship versus ISI Journal Citation Reports methods and their effect on citation measures. <i>Journal of the Association for Information Science and Technology</i> , 2009 , 60, 1097-1117		37
300	Remaining problems with the New Crown Indicator (MNCS) of the CWTS. <i>Journal of Informetrics</i> , 2011 , 5, 224-225	3.1	37
299	Skewness of citation impact data and covariates of citation distributions: A large-scale empirical analysis based on Web of Science data. <i>Journal of Informetrics</i> , 2017 , 11, 164-175	3.1	36
298	A simulation model of the Triple Helix of university-industry-government relations and the decomposition of the redundancy. <i>Scientometrics</i> , 2014 , 99, 927-948	3	36
297	The Triple Helix of university-industry-government relations at the country level and its dynamic evolution under the pressures of globalization. <i>Journal of the Association for Information Science and Technology</i> , 2013 , 64, 2317-2325		36
296	The import and export of cognitive science. <i>Cognitive Science</i> , 2006 , 30, 983-93	2.2	36
295	Measuring triple-helix synergy in the Russian innovation systems at regional, provincial, and national levels. <i>Journal of the Association for Information Science and Technology</i> , 2015 , 66, 1229-1238	2.7	35
294	Interdisciplinarity at the journal and specialty level: The changing knowledge bases of the journal cognitive science. <i>Journal of the Association for Information Science and Technology</i> , 2014 , 65, 164-177	2.7	35
293	Classification and powerlaws: The logarithmic transformation. <i>Journal of the Association for Information Science and Technology</i> , 2006 , 57, 1470-1486		35
292	A routine for measuring synergy in university-industry-government relations: mutual information as a Triple-Helix and Quadruple-Helix indicator. <i>Scientometrics</i> , 2014 , 99, 27-35	3	34

291	The delineation of nanoscience and nanotechnology in terms of journals and patents: A most recent update. <i>Scientometrics</i> , 2008 , 76, 159-167	3	34
290	Has Price's dream come true: Is scientometrics a hard science?. <i>Scientometrics</i> , 1994 , 31, 193-222	3	34
289	Citations: Indicators of Quality? The Impact Fallacy. <i>Frontiers in Research Metrics and Analytics</i> , 2016 , 1,	1.3	34
288	The normalization of co-authorship networks in the bibliometric evaluation: the government stimulation programs of China and Korea. <i>Scientometrics</i> , 2016 , 109, 1017-1036	3	33
287	A Triple Helix of University-Industry-Government Relations: Introduction. <i>Industry and Higher Education</i> , 1998 , 12, 197-201	1.3	32
286	The dynamics of exchanges and references among scientific texts, and the autopoiesis of discursive knowledge. <i>Journal of Informetrics</i> , 2009 , 3, 261-271	3.1	31
285	Economic and technological complexity: A model study of indicators of knowledge-based innovation systems. <i>Technological Forecasting and Social Change</i> , 2017 , 120, 77-89	9.5	30
284	Korean journals in the Science Citation Index: What do they reveal about the intellectual structure of S&T in Korea?. <i>Scientometrics</i> , 2008 , 75, 439-462	3	30
283	Structure-Action-Contingencies and the Model of Parallel Distributed Processing. <i>Journal for the Theory of Social Behaviour</i> , 1993 , 23, 47-77	1.2	30
282	Edited volumes, monographs and book chapters in the Book Citation Index (BKCI) and Science Citation Index (SCI, SoSCI, A&HCI). <i>Journal of Scientometric Research</i> , 2012 , 1, 28-34	1.9	30
281	Synergy in Knowledge-Based Innovation Systems at National and Regional Levels: The Triple-Helix Model and the Fourth Industrial Revolution. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2018 , 4, 16	3.7	29
280	Katy Börner: Atlas of science: visualizing what we know: The MIT Press, Cambridge, MA/London, UK, 2010, US\$20. <i>Scientometrics</i> , 2011 , 88, 675-677	3	29
279	Technological developments and factor substitution in a complex and dynamic system. <i>Journal of Social and Evolutionary Systems</i> , 1998 , 21, 173-192		28
278	A comparison between the China Scientific and Technical Papers and Citations Database and the Science Citation Index in terms of journal hierarchies and interjournal citation relations. <i>Journal of the Association for Information Science and Technology</i> , 2007 , 58, 223-236		28
277	University-Industry-Government Relations in China: An Emergent National System of Innovation. <i>Industry and Higher Education</i> , 2001 , 15, 179-182	1.3	28
276	Is society a self-organizing system?. <i>Journal of Social and Evolutionary Systems</i> , 1993 , 16, 331-349		28
275	Does the public discuss other topics on climate change than researchers? A comparison of explorative networks based on author keywords and hashtags. <i>Journal of Informetrics</i> , 2019 , 13, 695-707 ^{3.1}		27
274	Journal maps, interactive overlays, and the measurement of interdisciplinarity on the basis of Scopus data (1996-2012). <i>Journal of the Association for Information Science and Technology</i> , 2015 , 66, 1001-1016	2.7	27

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