Nees Jan van Eck

List of Publications by Year
in descending order

78 papers	21,933 citations	87723 38 h-index	91712 69 g-index
85 all docs	85 docs citations	85 times ranked	16834 citing authors

#	ARTICLE	IF	CITATIONS
1	Software survey: VOSviewer, a computer program for bibliometric mapping. Scientometrics, 2010, 84, 523-538.	1.6	8,777
2	From Louvain to Leiden: guaranteeing well-connected communities. Scientific Reports, 2019, 9, 5233.	1.6	2,249
3	A unified approach to mapping and clustering of bibliometric networks. Journal of Informetrics, 2010, 4, 629-635.	1.4	1,238
4	Citation-based clustering of publications using CitNetExplorer and VOSviewer. Scientometrics, 2017, 111, 1053-1070.	1.6	1,133
5	Visualizing Bibliometric Networks. , 2014, , 285-320.		1,053
6	A smart local moving algorithm for large-scale modularity-based community detection. European Physical Journal B, 2013, 86, 1.	0.6	738
7	Constructing bibliometric networks: A comparison between full and fractional counting. Journal of Informetrics, 2016, 10, 1178-1195.	1.4	664
8	How to normalize cooccurrence data? An analysis of some wellâ€known similarity measures. Journal of the Association for Information Science and Technology, 2009, 60, 1635-1651.	2.6	530
9	A comparison of two techniques for bibliometric mapping: Multidimensional scaling and VOS. Journal of the Association for Information Science and Technology, 2010, 61, 2405-2416.	2.6	496
10	CitNetExplorer: A new software tool for analyzing and visualizing citation networks. Journal of Informetrics, 2014, 8, 802-823.	1.4	421
11	A new methodology for constructing a publicationâ€level classification system of science. Journal of the Association for Information Science and Technology, 2012, 63, 2378-2392.	2.6	391
12	Towards a new crown indicator: Some theoretical considerations. Journal of Informetrics, 2011, 5, 37-47.	1.4	290
13	The Leiden ranking 2011/2012: Data collection, indicators, and interpretation. Journal of the Association for Information Science and Technology, 2012, 63, 2419-2432.	2.6	284
14	Large-scale comparison of bibliographic data sources: Scopus, Web of Science, Dimensions, Crossref, and Microsoft Academic. Quantitative Science Studies, 2021, 2, 20-41.	1.6	252
15	The inconsistency of the hâ€index. Journal of the Association for Information Science and Technology, 2012, 63, 406-415.	2.6	244
16	VOS: A New Method for Visualizing Similarities Between Objects. Studies in Classification, Data Analysis, and Knowledge Organization, 2007, , 299-306.	0.1	242
17	Automatic term identification for bibliometric mapping. Scientometrics, 2010, 82, 581-596.	1.6	191
18	BIBLIOMETRIC MAPPING OF THE COMPUTATIONAL INTELLIGENCE FIELD. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2007, 15, 625-645.	0.9	189

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19	Citation Analysis May Severely Underestimate the Impact of Clinical Research as Compared to Basic Research. PLoS ONE, 2013, 8, e62395.	1.1	176
20	Towards a new crown indicator: an empirical analysis. Scientometrics, 2011, 87, 467-481.	1.6	175
21	Field-normalized citation impact indicators and the choice of an appropriate counting method. Journal of Informetrics, 2015, 9, 872-894.	1.4	171
22	Some modifications to the SNIP journal impact indicator. Journal of Informetrics, 2013, 7, 272-285.	1.4	141
23	Generalizing the h- and g-indices. Journal of Informetrics, 2008, 2, 263-271.	1.4	122
24	Bibliometric mapping of computer and information ethics. Ethics and Information Technology, 2011, 13, 241-249.	2.3	110
25	Source normalized indicators of citation impact: an overview of different approaches and an empirical comparison. Scientometrics, 2013, 96, 699-716.	1.6	96
26	A systematic empirical comparison of different approaches for normalizing citation impact indicators. Journal of Informetrics, 2013, 7, 833-849.	1.4	95
27	The production of scientific knowledge on renewable energies: Worldwide trends, dynamics and challenges and implications for management. Renewable Energy, 2014, 62, 657-671.	4.3	93
28	Characterizing in-text citations in scientific articles: A large-scale analysis. Journal of Informetrics, 2018, 12, 59-73.	1.4	89
29	Clustering Scientific Publications Based on Citation Relations: A Systematic Comparison of Different Methods. PLoS ONE, 2016, 11, e0154404.	1.1	89
30	Mapping patient safety: a large-scale literature review using bibliometric visualisation techniques. BMJ Open, 2014, 4, e004468.	0.8	86
31	Rivals for the crown: Reply to Opthof and Leydesdorff. Journal of Informetrics, 2010, 4, 431-435.	1.4	79
32	Globalisation of science in kilometres. Journal of Informetrics, 2011, 5, 574-582.	1.4	69
33	Visualizing the computational intelligence field [Application Notes]. IEEE Computational Intelligence Magazine, 2006, 1, 6-10.	3.4	61
34	Universality of citation distributions revisited. Journal of the Association for Information Science and Technology, 2012, 63, 72-77.	2.6	61
35	Counting publications and citations: Is more always better?. Journal of Informetrics, 2013, 7, 635-641.	1.4	55
36	A scientometric overview of CORD-19. PLoS ONE, 2021, 16, e0244839.	1.1	51

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37	A recursive field-normalized bibliometric performance indicator: an application to the field of library and information science. Scientometrics, 2011, 89, 301-314.	1.6	50
38	Appropriate similarity measures for author coâ€citation analysis. Journal of the Association for Information Science and Technology, 2008, 59, 1653-1661.	2.6	47
39	Framing psychology as a discipline (1950â€"1999): A large-scale term co-occurrence analysis of scientific literature in psychology.. History of Psychology, 2018, 21, 334-362.	0.1	45
40	On the map: Nature and Science editorials. Scientometrics, 2011, 86, 99-112.	1.6	38
41	Application of reinforcement learning to the game of Othello. Computers and Operations Research, 2008, 35, 1999-2017.	2.4	31
42	Evaluation of the citation matching algorithms of <scp>CWTS</scp> and i<scp>FQ</scp> in comparison to the <scp>W</scp>eb of science. Journal of the Association for Information Science and Technology, 2016, 67, 2550-2564.	1.5	31
43	The relation between Eigenfactor, audience factor, and influence weight. Journal of the Association for Information Science and Technology, 2010, 61, 1476-1486.	2.6	30
44	Collecting large-scale publication data at the level of individual researchers: a practical proposal for author name disambiguation. Scientometrics, 2020, 123, 883-907.	1.6	30
45	A principled methodology for comparing relatedness measures for clustering publications. Quantitative Science Studies, 0, , 1-23.	1.6	30
46	Field Normalization of Scientometric Indicators. Springer Handbooks, 2019, , 281-300.	0.3	26
47	Bibliometric Analyses Reveal Patterns of Collaboration between ASMS Members. Journal of the American Society for Mass Spectrometry, 2018, 29, 447-454.	1.2	23
48	Investigating disagreement in the scientific literature. ELife, 2021, 10, .	2.8	22
49	Economic modeling using evolutionary algorithms: the effect of a binary encoding of strategies. Journal of Evolutionary Economics, 2011, 21, 737-756.	0.8	21
50	Comparing institutional-level bibliometric research performance indicator values based on different affiliation disambiguation systems. Quantitative Science Studies, 2020, 1, 150-170.	1.6	21
51	The Closer the Better: Similarity of Publication Pairs at Different Cocitation Levels. Journal of the Association for Information Science and Technology, 2018, 69, 600-609.	1.5	20
52	On the correlation between bibliometric indicators and peer review: reply to Opthof and Leydesdorff. Scientometrics, 2011, 88, 1017-1022.	1.6	19
53	Some comments on Egghe's derivation of the impact factor distribution. Journal of Informetrics, 2009, 3, 363-366.	1.4	18
54	The elephant in the room: The problem of quantifying productivity in evaluative scientometrics. Journal of Informetrics, 2016, 10, 671-674.	1.4	18

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55	From dignity to security protocols: a scientometric analysis of digital ethics. Ethics and Information Technology, 2018, 20, 175-187.	2.3	15
56	A Novel Algorithm for Visualizing Concept Associations. , 0, , .		14
57	Journal Editorials give indication of driving science issues. Nature, 2010, 463, 157-157.	13.7	14
58	Topic identification challenge. Scientometrics, 2017, 111, 1223-1224.	1.6	14
59	Some comments on the question whether coâ€occurrence data should be normalized. Journal of the Association for Information Science and Technology, 2007, 58, 1701-1703.	2.6	13
60	Prediction of Stock Price Movements Based on Concept Map Information. , 2007, , .		12
61	Enhancing direct citations: A comparison of relatedness measures for community detection in a large set of PubMed publications. Quantitative Science Studies, 0, , 1-16.	1.6	11
62	Exploring Topics of Interest of Mendeley Users. Journal of Altmetrics, 2018, 1, 5.	0.2	11
63	Collaborations span 1,553 kilometres. Nature, 2011, 473, 154-154.	13.7	10
64	Intermediacy of publications. Royal Society Open Science, 2020, 7, 190207.	1.1	9
65	Visualizing Concept Associations Using Concept Density Maps. , 0, , .		8
66	Robust Evolutionary Algorithm Design for Socio-Economic Simulation: Some Comments. Computational Economics, 2009, 33, 103-105.	1.5	8
67	Some Limitations of theHIndex: A Commentary on Ruscio and Colleagues' Analysis of Bibliometric Indices. Measurement, 2012, 10, 172-175.	0.1	8
68	Visualizing the WCCI 2006 Knowledge Domain. , 2006, , .		5
69	Some comments on the journal weighted impact factor proposed by Habibzadeh and Yadollahie. Journal of Informetrics, 2008, 2, 369-372.	1.4	5
70	Poverty Research in a Development Policy Context. Development Policy Review, 2011, 29, 311-330.	1.0	5
71	Analyzing the activities of visitors of the Leiden Ranking website. Journal of Data and Information Science, 2018, 3, 81-98.	0.5	5
72	Mapping the Management Discipline - A Bibliometric and Qualitative Synthesis. Proceedings - Academy of Management, 2014, 2014, 12315.	0.0	3

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73	An Evolutionary Model of Price Competition Among Spatially Distributed Firms. Computational Economics, 2013, 42, 373-391.	1.5	2
74	Cluster-Based Visualization of Concept Associations. , 2008, , .		1
75	A mathematical analysis of the long-run behavior of genetic algorithms for social modeling. Soft Computing, 2012, 16, 1071-1089.	2.1	1
76	Where are the breaks in translation from theory to clinical practice (and back) in addressing depression? An empirical graph-theoretic approach. Psychological Medicine, 2019, 49, 2681-2691.	2.7	1
77	Optimal specialization: Theory development and testing amongst management scholars. Proceedings - Academy of Management, 2012, 2012, 13505.	0.0	1
78	On the proper understanding of the limiting behavior of generalizations of the h- and g-indices. Journal of Informetrics, 2009, 3, 369-370.	1.4	0