Werner Marx

List of Publications by Year
in descending order

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Version: 2024-02-01

87 papers	2,754 citations	182225 30 h-index	223390 49 g-index
91 all docs	91 docs citations	91 times ranked	2410 citing authors

#	Article	IF	Citations
1	On Health Effects of Resveratrol in Wine. International Journal of Environmental Research and Public Health, 2022, 19, 3110.	1.2	10
2	Heat waves: a hot topic in climate change research. Theoretical and Applied Climatology, 2021, 146, 781-800.	1.3	58
3	How to identify the roots of broad research topics and fields? The introduction of RPYS sampling using the example of climate change research. Journal of Information Science, 2020, 46, 392-405.	2.0	5
4	Historical roots of pain management in infants: A bibliometric analysis using reference publication year spectroscopy. Paediatric and Neonatal Pain, 2020, 2, 22-32.	0.6	9
5	Thomas theorem in research evaluation. Scientometrics, 2020, 123, 553-555.	1.6	11
6	Discovering seminal works with marker papers. Scientometrics, 2020, 125, 2955-2969.	1.6	7
7	Does the public discuss other topics on climate change than researchers? A comparison of explorative networks based on author keywords and hashtags. Journal of Informetrics, 2019, 13, 695-707.	1.4	46
8	Identifying single influential publications in a research field: new analysis opportunities of the CRExplorer. Scientometrics, 2018, 116, 591-608.	1.6	43
9	Algorithmically generated subject categories based on citation relations: An empirical micro study using papers on overall water splitting. Journal of Informetrics, 2018, 12, 436-447.	1.4	18
10	Climate and the Decline and Fall of the Western Roman Empire: A Bibliometric View on an Interdisciplinary Approach to Answer a Most Classic Historical Question. Climate, 2018, 6, 90.	1.2	15
11	Critical rationalism and the search for standard (field-normalized) indicators in bibliometrics. Journal of Informetrics, 2018, 12, 598-604.	1.4	26
12	Which early works are cited most frequently in climate change research literature? A bibliometric approach based on Reference Publication Year Spectroscopy. Scientometrics, 2017, 110, 335-353.	1.6	38
13	Referenzjahrgangs-Spektroskopie: Eine bibliometrische Methode zur Untersuchung der historischen Wurzeln von Forschungsfeldern. Information-Wissenschaft Und Praxis, 2017, 68, .	0.1	0
14	Slow reception and under-citedness in climate change research: A case study of Charles David Keeling, discoverer of the risk of global warming. Scientometrics, 2017, 112, 1079-1092.	1.6	6
15	The Role of Climate in the Collapse of the Maya Civilization: A Bibliometric Analysis of the Scientific Discourse. Climate, 2017, 5, 88.	1.2	17
16	Global Warming and Tea Productionâ€"The Bibliometric View on a Newly Emerging Research Topic. Climate, 2017, 5, 46.	1.2	40
17	Evolution of DFT studies in view of a scientometric perspective. Journal of Cheminformatics, 2016, 8, 52.	2.8	31
18	New features of CitedReferencesExplorer (CRExplorer). Scientometrics, 2016, 109, 2049-2051.	1.6	24

#	Article	IF	Citations
19	Policy documents as sources for measuring societal impact: how often is climate change research mentioned in policy-related documents?. Scientometrics, 2016, 109, 1477-1495.	1.6	75
20	Introducing CitedReferencesExplorer (CRExplorer): A program for reference publication year spectroscopy with cited references standardization. Journal of Informetrics, 2016, 10, 503-515.	1.4	86
21	The journal Impact Factor and alternative metrics. EMBO Reports, 2016, 17, 1094-1097.	2.0	35
22	Change of perspective: bibliometrics from the point of view of cited referencesâ€"a literature overview on approaches to the evaluation of cited references in bibliometrics. Scientometrics, 2016, 109, 1397-1415.	1.6	49
23	The application of bibliometrics to research evaluation in the humanities and social sciences: An exploratory study using normalized <scp>G</scp>oogle <scp>S</scp>cholar data for the publications of a research institute. Journal of the Association for Information Science and Technology, 2016, 67, 2778-2789.	1.5	39
24	Identifying seminal works most important for research fields: Software for the Reference Publication Year Spectroscopy (RPYS). Collnet Journal of Scientometrics and Information Management, 2016, 10, 125-140.	0.4	3
25	Climate Change Research in View of Bibliometrics. PLoS ONE, 2016, 11, e0160393.	1.1	189
26	Methods for the generation of normalized citation impact scores in bibliometrics: Which method best reflects the judgements of experts?. Journal of Informetrics, 2015, 9, 408-418.	1.4	95
27	On the causes of subject-specific citation rates in Web of Science. Scientometrics, 2015, 102, 1823-1827.	1.6	77
28	Bibliometrische Verfahren zur Bewertung von Forschungsleistung. Soziale Welt, 2015, 66, 161-176.	0.1	1
29	Distributions instead of single numbers: Percentiles and beam plots for the assessment of single researchers. Journal of the Association for Information Science and Technology, 2014, 65, 206-208.	1.5	10
30	On the problems of dealing with bibliometric data. Journal of the Association for Information Science and Technology, 2014, 65, 866-867.	1.5	4
31	Tracing the origin of a scientific legend by reference publication year spectroscopy (RPYS): the legend of the Darwin finches. Scientometrics, 2014, 99, 839-844.	1.6	43
32	The wisdom of citing scientists. Journal of the Association for Information Science and Technology, 2014, 65, 1288-1292.	1.5	34
33	How to evaluate individual researchers working in the natural and life sciences meaningfully? A proposal of methods based on percentiles of citations. Scientometrics, 2014, 98, 487-509.	1.6	99
34	The Shockleyâ€Queisser paper â€" A notable example of a scientific sleeping beauty. Annalen Der Physik, 2014, 526, A41.	0.9	18
35	Detecting the historical roots of research fields by reference publication year spectroscopy (<scp>RPYS</scp>). Journal of the Association for Information Science and Technology, 2014, 65, 751-764.	1.5	142
36	On the origins and the historical roots of the Higgs boson research from a bibliometric perspective. European Physical Journal Plus, 2014, 129, 1.	1.2	23

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37	Referenced Publication Years Spectroscopy applied to iMetrics: Scientometrics, Journal of Informetrics, and a relevant subset of JASIST. Journal of Informetrics, 2014, 8, 162-174.	1.4	43
38	How should the societal impact of research be generated and measured? A proposal for a simple and practicable approach to allow interdisciplinary comparisons. Scientometrics, 2014, 98, 211-219.	1.6	51
39	How good is research really?. EMBO Reports, 2013, 14, 226-230.	2.0	69
40	The emergence of plate tectonics and the Kuhnian model of paradigm shift: a bibliometric case study based on the Anna Karenina principle. Scientometrics, 2013, 94, 595-614.	1.6	23
41	The proposal of a broadening of perspective in evaluative bibliometrics by complementing the times cited with a cited reference analysis. Journal of Informetrics, 2013, 7, 84-88.	1.4	39
42	Comments to the response of RodrÃguezâ€Navarro. EMBO Reports, 2013, 14, 494-494.	2.0	4
43	The Normalization of Citation Counts Based on Classification Systems. Publications, 2013, 1, 78-86.	1.9	19
44	Stimulation of Ideas through Compoundâ€Based Bibliometrics: Counting and Mapping Chemical Compounds for Analyzing Research Topics in Chemistry, Physics, and Materials Science. ChemistryOpen, 2012, 1, 276-283.	0.9	6
45	The effect of several versions of one and the same manuscript published by a journal on its journal impact factor. Scientometrics, 2012, 92, 277-279.	1.6	2
46	The <scp>A</scp>nna <scp>K</scp>arenina principle: A way of thinking about success in science. Journal of the Association for Information Science and Technology, 2012, 63, 2037-2051.	2.6	27
47	What factors determine citation counts of publications in chemistry besides their quality?. Journal of Informetrics, 2012, 6, 11-18.	1.4	181
48	HistCite analysis of papers constituting the h index research front. Journal of Informetrics, 2012, 6, 285-288.	1.4	28
49	Diversity, value and limitations of the journal impact factor and alternative metrics. Rheumatology International, 2012, 32, 1861-1867.	1.5	132
50	Bibliometric analysis of scientific development in countries of the Union of South American Nations (Unasur). Profesional De La Informacion, 2012, 21, 607-612.	2.7	5
51	On the value of author indices. Physics Today, 2011, 64, 9-10.	0.3	1
52	A Multilevel Modelling Approach to Investigating the Predictive Validity of Editorial Decisions: Do the Editors of a High Profile Journal Select Manuscripts that are Highly Cited After Publication?. Journal of the Royal Statistical Society Series A: Statistics in Society, 2011, 174, 857-879.	0.6	54
53	Does the h index for assessing single publications really work? A case study on papers published in chemistry. Scientometrics, 2011, 89, 835-843.	1.6	11
54	Bibliometric analysis of fifty years of physica status solidi. Physica Status Solidi (B): Basic Research, 2011, 248, 2762-2771.	0.7	9

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55	Back Cover: Bibliometric analysis of fifty years of physica status solidi (Phys. Status Solidi B 12/2011). Physica Status Solidi (B): Basic Research, 2011, 248, n/a-n/a.	0.7	0
56	The scientific road of Manuel Cardona: a bibliometric analysis. Annalen Der Physik, 2011, 523, 179-190.	0.9	1
57	Is interactive open access publishing able to identify high-impact submissions? A study on the predictive validity of Atmospheric Chemistry and Physics by using percentile rank classes. Journal of the Association for Information Science and Technology, 2011, 62, 61-71.	2.6	27
58	Special features of historical papers from the viewpoint of bibliometrics. Journal of the Association for Information Science and Technology, 2011, 62, 433-439.	2.6	15
59	How accurately does Thomas Kuhnâ€™s model of paradigm change describe the transition from the static view of the universe to the big bang theory in cosmology?. Scientometrics, 2010, 84, 441-464.	1.6	27
60	Reference standards and reference multipliers for the comparison of the citation impact of papers published in different time periods. Journal of the Association for Information Science and Technology, 2010, 61, 2061-2069.	2.6	9
61	From black box to white box at open access journals: predictive validity of manuscript reviewing and editorial decisions at <I>Atmospheric Chemistry and Physics</I>. Research Evaluation, 2010, 19, 105-118.	1.3	19
62	On the incorporation of beryllium into the biotemplated synthesis of Y Ba2Cu3O7 â˜ Î´. Superconductor Science and Technology, 2010, 23, 095003.	1.8	4
63	Aspects of the scientific cooperation of Estonia and Germany in view of bibliometry. Proceedings of the Estonian Academy of Sciences, 2009, 58, 255.	0.9	3
64	Hirschâ€Type Index Values for Organic Chemistry Journals: A Comparison of New Metrics with the Journal Impact Factor. European Journal of Organic Chemistry, 2009, 2009, 1471-1476.	1.2	30
65	Convergent validity of bibliometric Google Scholar data in the field of chemistryâ€"Citation counts for papers that were accepted by Angewandte Chemie International Edition or rejected but published elsewhere, using Google Scholar, Science Citation Index, Scopus, and Chemical Abstracts. Journal of Informetrics, 2009, 3, 27-35.	1.4	76
66	The citation impact outside references â€" formal versus informal citations. Scientometrics, 2009, 80, 1-21.	1.6	16
67	The publication and citation impact profiles of Angewandte Chemie and the Journal of the American Chemical Society based on the sections of Chemical Abstracts: A case study on the limitations of the Journal Impact Factor. Journal of the Association for Information Science and Technology, 2009, 60, 176-183.	2.6	18
68	The anatomy of the International Journal of Materials Research1 in the light of bibliometry. International Journal of Materials Research, 2009, 100, 11-23.	0.1	13
69	Mapping High-Temperature Superconductorsâ€"A Scientometric Approach. Journal of Superconductivity and Novel Magnetism, 2008, 21, 113-128.	0.8	11
70	Carbon nanotubes - A scientometric study. Physica Status Solidi (B): Basic Research, 2008, 245, 2347-2351.	0.7	14
71	Max Born and his legacy to condensed matter physics. Annalen Der Physik, 2008, 17, 497-518.	0.9	4
72	Citation Environment of <I>Angewandte Chemie</I>. Chimia, 2007, 61, 104-109.	0.3	28

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73	The history of the stretched exponential function. Annalen Der Physik, 2007, 16, 842-845.	0.9	86
74	Anatomy of the ICDS series: A bibliometric analysis. Physica B: Condensed Matter, 2007, 401-402, 1-6.	1.3	3
75	Vitaly L. Ginzburgâ€"A Bibliometric Study. Journal of Superconductivity and Novel Magnetism, 2007, 19, 459-466.	0.8	8
76	The posthumous impact of Paul Drude. Annalen Der Physik, 2006, 15, 461-468.	0.9	3
77	CAS kontra Google. Nachrichten Aus Der Chemie, 2005, 53, 1228-1232.	0.0	5
78	The disaster of the Nazi-power in science as reflected by some leading journals and scientists in physics.. Scientometrics, 2005, 64, 313-324.	1.6	5
79	Blasts from the past. Physics World, 2004, 17, 14-15.	0.0	9
80	The impact of Solid State Communications in view of the ISI Citation data. Solid State Communications, 2003, 127, 323-336.	0.9	21
81	Angewandte Chemie in Light of the Science Citation Index. Angewandte Chemie - International Edition, 2001, 40, 139-143.	7.2	22
82	Citation analysis using online databases: Feasibilities and shortcomings. Scientometrics, 2001, 52, 59-82.	1.6	95
83	Zitierungszahlen â€" eine Messlatte zur Bewertung von ForschungsqualitÃt?. Physik Journal, 2001, 57, 25-29.	0.1	2
84	Angewandte Chemie in Light of the Science Citation Index. Angewandte Chemie - International Edition, 2001, 40, 139-143.	7.2	3
85	Scientometrics on fullerenes and nanotubes. , 1998, , .		2
86	Field measurements of photolysis frequencies in the atmosphere. Journal of Photochemistry and Photobiology, 1981, 17, 140.	0.6	0
87	Determination of the absolute photolysis rate of ozone by sunlight, , at ground level. Atmospheric Environment, 1979, 13, 1515-1522.	1.1	35