Robin Haunschild

List of Publications by Year
in descending order

104	2,604	186209	223716
papers	citations	28 h-index	46 g-index

110	110	110	2448
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate Change Research in View of Bibliometrics. PLoS ONE, 2016, 11, e0160393.	1.1	189
2	Density Functionals that Recognize Covalent, Metallic, and Weak Bonds. Physical Review Letters, 2013, 111, 106401.	2.9	168
3	Semilocal and hybrid meta-generalized gradient approximations based on the understanding of the kinetic-energy-density dependence. Journal of Chemical Physics, 2013, 138, 044113.	1.2	164
4	Growth rates of modern science: a latent piecewise growth curve approach to model publication numbers from established and new literature databases. Humanities and Social Sciences Communications, 2021, 8, .	1.3	124
5	Visualizing the context of citations referencing papers published by Eugene Garfield: a new type of keyword co-occurrence analysis. Scientometrics, 2018, 114, 427-437.	1.6	89
6	Do altmetrics correlate with the quality of papers? A large-scale empirical study based on F1000Prime data. PLoS ONE, 2018, 13, e0197133.	1.1	89
7	Testing density functionals for structural phase transitions of solids under pressure: Si, SiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>, and Zr. Physical Review B, 2013, 88, .	1.1	87
8	Many-electron self-interaction and spin polarization errors in local hybrid density functionals. Journal of Chemical Physics, 2010, 133, 134116.	1.2	83
9	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
10	Do altmetrics assess societal impact in a comparable way to case studies? An empirical test of the convergent validity of altmetrics based on data from the UK research excellence framework (REF). Journal of Informetrics, 2019, 13, 325-340.	1.4	73
11	Heat waves: a hot topic in climate change research. Theoretical and Applied Climatology, 2021, 146, 781-800.	1.3	58
12	Ï€â€Bonding in Complexes of Benzannulated Biscarbenes, â€germylenes, and â€stannylenes: An Experimental and Theoretical Study. Chemistry - A European Journal, 2008, 14, 10716-10721.	1.7	52
13	Does evaluative scientometrics lose its main focus on scientific quality by the new orientation towards societal impact?. Scientometrics, 2017, 110, 937-943.	1.6	48
14	New accurate reference energies for the G2/97 test set. Journal of Chemical Physics, 2012, 136, 164102.	1.2	46
15	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
16	How many scientific papers are mentioned in policy-related documents? An empirical investigation using Web of Science and Altmetric data. Scientometrics, 2017, 110, 1209-1216.	1.6	44
17	Normalization of Mendeley reader counts for impact assessment. Journal of Informetrics, 2016, 10, 62-73.	1.4	42
18	Range-separated local hybrids. Journal of Chemical Physics, 2010, 132, 224106.	1.2	41

#	Article	IF	Citations
19	Global Warming and Tea Productionâ€"The Bibliometric View on a Newly Emerging Research Topic. Climate, 2017, 5, 46.	1.2	40
20	How to normalize Twitter counts? A first attempt based on journals in the Twitter Index. Scientometrics, 2016, 107, 1405-1422.	1.6	39
21	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
22	Citation concept analysis (CCA): a new form of citation analysis revealing the usefulness of concepts for other researchers illustrated by exemplary case studies including classic books by Thomas S. Kuhn and Karl R. Popper. Scientometrics, 2020, 122, 1051-1074.	1.6	37
23	Local hybrids as a perturbation to global hybrid functionals. Journal of Chemical Physics, 2009, 131, 154112.	1.2	33
24	Hyper-generalized-gradient functionals constructed from the Lieb-Oxford bound: Implementation via local hybrids and thermochemical assessment. Journal of Chemical Physics, 2012, 136, 184102.	1.2	33
25	Which people use which scientific papers? An evaluation of data from F1000 and Mendeley. Journal of Informetrics, 2015, 9, 477-487.	1.4	33
26	Citation score normalized by cited references (CSNCR): The introduction of a new citation impact indicator. Journal of Informetrics, 2016, 10, 875-887.	1.4	32
27	Theoretical reference values for the AE6 and BH6 test sets from explicitly correlated coupled-cluster theory. Theoretical Chemistry Accounts, 2012, 131, 1.	0.5	31
28	Evolution of DFT studies in view of a scientometric perspective. Journal of Cheminformatics, 2016, 8, 52.	2.8	31
29	Normalization of zero-inflated data: An empirical analysis of a new indicator family and its use with altmetrics data. Journal of Informetrics, 2018, 12, 998-1011.	1.4	30
30	Accurate atomization energies from combining coupled-cluster computations with interference-corrected explicitly correlated second-order perturbation theory. Theoretical Chemistry Accounts, 2014, 133, 1.	0.5	29
31	Tetrahedranes. A theoretical study of singlet E₄H₄ molecules (E = Câ€"Pb and) Tj ETQq1 1 0.784314 rgBT /O	0.8	27
32	The Dewarâ€"Chattâ€"Duncanson model reversed â€" Bonding analysis of group-10 complexes [(PMe₃)₂Mâ€"EX₃] (M = Ni, Pd, Pt; E = B, Al, Ga, In, Tl; X = H, F, Cl, Br,) Tj ETQq0 0 0 rgBT /Overlo	0.8	28
33	Relative Citation Ratio (RCR): An empirical attempt to study a new fieldâ€normalized bibliometric indicator. Journal of the Association for Information Science and Technology, 2017, 68, 1064-1067.	1.5	23
34	A universal explicit electron correlation correction applied to Mukherjeeâ€™s multi-reference perturbation theory. Chemical Physics Letters, 2012, 531, 247-251.	1.2	22
35	Reference publication year spectroscopy (RPYS) of Eugene Garfieldâ€™s publications. Scientometrics, 2018, 114, 439-448.	1.6	22
36	A comprehensive analysis of the history of DFT based on the bibliometric method RPYS. Journal of Cheminformatics, 2019, 11, 72.	2.8	22

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37	Normalization of Mendeley reader impact on the reader- and paper-side: A comparison of the mean discipline normalized reader score (MDNRS) with the mean normalized reader score (MNRS) and bare reader counts. Journal of Informetrics, 2016, 10, 776-788.	1.4	20
38	Theoretical studies of ethylene addition to transition metal compounds with carbene and oxo groups LnM(ï£¾CH2)(ï£¾O). Journal of Physical Organic Chemistry, 2007, 20, 11-18.	0.9	18
39	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
40	Theoretical study on the reaction mechanism of carbon dioxide reduction to methanol using a homogeneous ruthenium(II) phosphine catalyst. Polyhedron, 2015, 85, 543-548.	1.0	17
41	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
42	Ethylene addition to group-6 transition metal oxo complexes â€“ A theoretical study. Journal of Organometallic Chemistry, 2008, 693, 737-749.	0.8	16
43	Measuring field-normalized impact of papers on specific societal groups: An altmetrics study based on Mendeley Data. Research Evaluation, 2017, 26, 230-241.	1.3	16
44	Field- and time-normalization of data with many zeros: an empirical analysis using citation and Twitter data. Scientometrics, 2018, 116, 997-1012.	1.6	16
45	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
46	Paper-patent citation linkages as early signs for predicting delayed recognized knowledge: Macro and micro evidence. Journal of Informetrics, 2020, 14, 101017.	1.4	15
47	Alternative articleâ€level metrics. EMBO Reports, 2018, 19, .	2.0	14
48	Quantum chemical study of ethylene addition to group-7 oxo complexes MO2(CH3)(CH2) (M=Mn, Tc,) Tj ETQq0 0 0 rgBT /Overlock 10	0.8	13
49	Overlay maps based on <scp>M</scp>endeley data: The use of altmetrics for readership networks. Journal of the Association for Information Science and Technology, 2016, 67, 3064-3072.	1.5	12
50	Library and Information Science Papers Discussed on Twitter: A new Network-based Approach for Measuring Public Attention. Journal of Data and Information Science, 2020, 5, 5-17.	0.5	12
51	To what extent does the Leiden manifesto also apply to altmetrics? A discussion of the manifesto against the background of research into altmetrics. Online Information Review, 2016, 40, 529-543.	2.2	11
52	Can tweets be used to detect problems early with scientific papers? A case study of three retracted COVID-19/SARS-CoV-2 papers. Scientometrics, 2021, 126, 5181-5199.	1.6	11
53	Allegation of scientific misconduct increases Twitter attention. Scientometrics, 2018, 115, 1097-1100.	1.6	10
54	On Health Effects of Resveratrol in Wine. International Journal of Environmental Research and Public Health, 2022, 19, 3110.	1.2	10

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55	Ethylene Addition to Groupâ€9 Transition Metal Dioxo Compounds â€“ A Quantum Chemical Study. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2145-2155.	0.6	9
56	Comparative theoretical study of [3+2] and [2+2] cycloadditions of ethylene and WXYMe2; X, Y=(O), (NH), (CH2). Journal of Organometallic Chemistry, 2009, 694, 4090-4093.	0.8	9
57	Can altmetrics reflect societal impact considerations?: Exploring the potential of altmetrics in the context of a sustainability science research center. Quantitative Science Studies, 0, , 1-18.	1.6	9
58	Bibliometric Analysis in the Field of Quantum Technology. Quantum Reports, 2021, 3, 549-575.	0.6	9
59	Theoretical Study of Ethylene Addition to O=W(=CH2)(CH3)2. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 367-372.	0.3	8
60	Efficiency of research performance and the glass researcher. Journal of Informetrics, 2016, 10, 652-654.	1.4	8
61	Plots for visualizing paper impact and journal impact of single researchers in a single graph. Scientometrics, 2018, 115, 385-394.	1.6	8
62	The number of linked references of publications in Microsoft Academic in comparison with the Web of Science. Scientometrics, 2018, 114, 367-370.	1.6	8
63	Should citations be field-normalized in evaluative bibliometrics? An empirical analysis based on propensity score matching. Journal of Informetrics, 2020, 14, 101098.	1.4	8
64	Are papers addressing certain diseases perceived where these diseases are prevalent? The proposal to use Twitter data as social-spatial sensors. PLoS ONE, 2020, 15, e0242550.	1.1	8
65	Networks of reader and country status: an analysis of Mendeley reader statistics. PeerJ Computer Science, 0, 1, e32.	2.7	8
66	Empirical analysis of recent temporal dynamics of research fields: Annual publications in chemistry and related areas as an example. Journal of Informetrics, 2022, 16, 101253.	1.4	8
67	Quantum Chemical Study on Ethylene Addition to (Oâ•)₂Os(â•NH)₂and (Oâ•)₂Os(â•NH)-cyclo-(â^'NHCH₂CH₂HNâ^') as Model Complexes for the Osmium-Catalyzed Aminohydroxylation of Olefins. Organometallics, 2010, 29, 1560-1568.	1.1	7
68	Communication: Extension of a universal explicit electron correlation correction to general complete active spaces. Journal of Chemical Physics, 2013, 138, 211101.	1.2	7
69	Discussion about the new Nature Index. Scientometrics, 2015, 102, 1829-1830.	1.6	7
70	Influential cited references in FEMS Microbiology Letters: lessons from Reference Publication Year Spectroscopy (RPYS). FEMS Microbiology Letters, 2019, 366, .	0.7	7
71	Discovering seminal works with marker papers. Scientometrics, 2020, 125, 2955-2969.	1.6	7
72	Which are the influential publications in the Web of Science subject categories over a long period of time? CRExplorer software used for big-data analyses in bibliometrics. Journal of Information Science, 2021, 47, 419-428.	2.0	7

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73	t factor: A metric for measuring impact on Twitter. Malaysian Journal of Library and Information Science, 2016, 21, 13-20.	0.3	7
74	Distribution of women and men among highly cited scientists. Journal of the Association for Information Science and Technology, 2015, 66, 2715-2716.	1.5	6
75	An empirical look at the nature index. Journal of the Association for Information Science and Technology, 2017, 68, 653-659.	1.5	6
76	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
77	Citation concept analysis (CCA) of Robert K. Mertonâ€™s book Social Theory and Social Structure: How often are certain concepts from the book cited in subsequent publications?. Quantitative Science Studies, 2020, , 1-16.	1.6	6
78	Investigating dissemination of scientific information on Twitter: A study of topic networks in opioid publications. Quantitative Science Studies, 2021, 2, 1486-1510.	1.6	6
79	Ethylene addition to Ru(CH2)(O)3 â€“ A theoretical study. Journal of Organometallic Chemistry, 2009, 694, 1081-1090.	0.8	5
80	Proposal of a minimum constraint for indicators based on means or averages. Journal of Informetrics, 2016, 10, 485-486.	1.4	5
81	Quality and impact considerations in bibliometrics: a reply to Ricker (in press). Scientometrics, 2017, 111, 1857-1859.	1.6	5
82	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
83	A call for governments to pause Twitter censorship: using Twitter data as social-spatial sensors of COVID-19/SARS-CoV-2 research diffusion. Scientometrics, 2021, 126, 3193-3207.	1.6	5
84	Proposal of using scaling for calculating field-normalized citation scores. Profesional De La Informacion, 2016, 25, 11.	2.7	5
85	Criteria for Nature Index questioned. Nature, 2015, 517, 21-21.	13.7	4
86	Measuring Individual Performance with Comprehensive Bibliometric Reports as an Alternative toh-Index Values. Journal of Korean Medical Science, 2018, 33, e138.	1.1	4
87	Societal Impact Measurement of Research Papers. Springer Handbooks, 2019, , 609-632.	0.3	4
88	F1000Prime: an analysis of discipline-specific reader data from Mendeley. F1000Research, 0, 4, 41.	0.8	4
89	Mapping the impact of papers on various status groups in excellencemapping.net: a new release of the excellence mapping tool based on citation and reader scores. Scientometrics, 2021, 126, 9305-9331.	1.6	4
90	Scores of a specific field-normalized indicator calculated with different approaches of field-categorization: Are the scores different or similar?. Journal of Informetrics, 2022, 16, 101241.	1.4	4

#	Article	IF	Citations
91	The interest of the scientific community in expert opinions from journal peer review procedures. Scientometrics, 2015, 102, 2187-2188.	1.6	3
92	Which Are the Most Influential Cited References in Information?. Information (Switzerland), 2019, 10, 395.	1.7	3
93	Beyond bibliometrics: Harnessing multidimensional indicators of scholarly impact. Journal of Scientometric Research, 2015, 4, 40.	0.3	3
94	MHq indicators for zero-inflated count data â€“ A response to Smolinsky and Marx (2018). Journal of Informetrics, 2018, 12, 1012-1014.	1.4	2
95	MHq indicators for zero-inflated count dataâ€”A response to the comment by Smolinsky (in press). Journal of Informetrics, 2019, 13, 464-465.	1.4	2
96	The Crucial Things in Science Often Happen Quite Unexpectedlyâ€”Das Entscheidende in der Wissenschaft geschieht oft ganz unerwartet (K. Alex MÅ¼ller). Condensed Matter, 2020, 5, 43.	0.8	2
97	4.10 Mendeley. , 2021, , 281-288.		2
98	Reference publication year spectroscopy (RPYS) in practice: a software tutorial. Scientometrics, 2022, 127, 7253-7271.	1.6	2
99	Insensitivity of the error of the minimally empirical hybrid functional revTPSSh to its parameters. Journal of Chemical Physics, 2012, 137, 224104.	1.2	1
100	R package for producing beamplots as a preferred alternative to the h index when assessing single researchers (based on downloads from Web of Science). Scientometrics, 2019, 120, 925-927.	1.6	1
101	Relevance of document types in the scoresâ€™ calculation of a specific field-normalized indicator: Are the scores strongly dependent on or nearly independent of the document type handling?. Scientometrics, 2022, 127, 4419-4438.	1.6	1
102	Expected values in percentile indicators. Collnet Journal of Scientometrics and Information Management, 2017, 11, 249-252.	0.4	0
103	Telling the story of solar energy meteorology into the satellite era by applying (co-citation) reference publication year spectroscopy. Scientometrics, 2020, 125, 1159-1177.	1.6	0
104	Are there biases in decisions to tweet on scientific papers? A plea for conducting an experimental Twitter study. Technical note. Profesional De La Informacion, 0, , .	2.7	0