

Publication List of Werner Marx

Max Planck Institute for Solid State Research, Stuttgart (Germany)

Last update: 01-09-2016

See also the publication list under Google Scholar:

https://scholar.google.co.in/citations?hl=en&user=5czWyjsAAAAJ&view_op=list_works&sortby=pubdate

Submitted Publications

W. Marx, R. Haunschild, A. Thor, L. Bornmann

Which early works are cited most frequently in climate change research literature? A bibliometric approach based on reference publication year spectroscopy
Scientometrics, <http://arxiv.org/abs/1608.07960>

W. Marx, R. Haunschild, L. Bornmann

Climate change and viticulture – The evolution of a highly dynamic research field in view of a bibliometric perspective

VITIS – Journal of Grapevine Research

R. Haunschild, A. Barth, W. Marx

Evolution of DFT studies in view of a scientometric perspective

Journal of Cheminformatics

Publications

2016

R. Haunschild, L. Bornmann, W. Marx

Climate change research in view of bibliometrics

PLoS ONE 11(7): e0160393, Published: July 29, 2016

<http://dx.doi.org/10.1371/journal.pone.0160393>

L. Bornmann, R. Haunschild, W. Marx

Policy documents as sources for measuring societal impact: How often is climate change research mentioned in policy-related documents?

Scientometrics (2016)

<http://dx.doi.org/10.1007/s11192-016-2115-y>

W. Marx, L. Bornmann

Change of perspective: Bibliometrics from the point of view of cited references. A

literature overview on approaches to the evaluation of cited references in bibliometrics

Scientometrics (2016)

<http://dx.doi.org/10.1007/s11192-016-2111-2>

A. Thor, W. Marx, L. Leydesdorff, L. Bornmann

New features of CitedReferencesExplorer (CRExplorer), Letter to the Editor

Scientometrics (2016)

<http://dx.doi.org/10.1007/s11192-016-2082-3>

A. Thor, W. Marx, L. Leydesdorff, L. Bornmann

Introducing CitedReferencesExplorer (CRExplorer): A program for reference publication year spectroscopy with cited references standardization

Journal of Informetrics 10(2), 503-515 (2016)
<http://dx.doi.org/10.1016/j.joi.2016.02.005>

W. Marx
 Bibliometrische Verfahren zur Bewertung von Forschungsleistung
 Soziale Welt 66(2), 161-176 (2016)
<http://dx.doi.org/10.5771/0038-6073-2015-2-161>

L. Bornmann, W. Marx
 The Journal Impact Factor and alternative metrics
 EMBO Reports, published online 28.06.2016
<http://dx.doi.org/10.15252/embr.201642823>

L. Bornmann, R. Haunschild, W. Marx
 Calculating Journal Rankings: Peer Review, Bibliometrics, and Alternative Metrics?
 Chapter III (pp. 42-55) in: Publishing and the Academic World – Passion, purpose and
 possible futures, Editors: Ciaran Sugrue and Sefika Mertkan, Routledge, Taylor and Francis,
 London and New York (2016)
 ISBN: 978-1-138-91670-8 (hbk)
 ISBN: 978-1-138-91671-5 (pbk)
 ISBN: 978-1-315-68941-8 (ebk)

L. Leydesdorff, L. Bornmann, J.A. Comins, W. Marx, A. Thor
 Referenced publication year spectroscopy (RPYS) and algorithmic historiography: The
 bibliometric reconstruction of András Schubert's oeuvre
 In: The World of Models and Metrics – A Festschrift on the Occasion of András Schubert's
 70th Birthday. Special publication of the International Society for Scientometrics and
 Informetrics (ISSI), edited by Wolfgang Glänzel et al., pp.95-112 (March 2016)

L. Bornmann, A. Thor, W. Marx, L. Leydesdorff
 Identifying seminal works most important for research fields: Software for the reference
 publication year spectroscopy (RPYS)
 Collnet Journal of Scientometrics and Information Management 10(1), 125-140 (2016)
<http://dx.doi.org/10.1080/09737766.2016.1177948>

2015

L. Bornmann, W. Marx
 Methods for the generation of normalized citation impact scores in bibliometrics: Which
 method best reflects the judgements of experts?
 Journal of Informetrics 9(2), 408-418 (2015)
<http://dx.doi.org/10.1016/j.joi.2015.01.006>

W. Marx, L. Bornmann
 On the causes of subject-specific citation rates in Web of Science
 Scientometrics 102(2), 1823–1827 (2015)
<http://dx.doi.org/10.1007/s11192-014-1499-9>

2014

W. Marx
 The Shockley-Queisser paper – A notable example of a scientific sleeping beauty
 Annalen der Physik (Berlin) 526(5–6), A41–A45 (2014)
<http://dx.doi.org/10.1002/andp.201400806>

W. Marx, M. Cardona

Physics in Cuba in view of bibliometry

In: Boston Studies – Physics in Cuba: history and present perspectives, pp. 423-437 (2014)

Editors: J. Renn, A. Baracca

http://link.springer.com/chapter/10.1007/978-94-017-8041-4_33

A. Barth, W. Marx, L. Bornmann, R. Mutz

On the origins and the historical roots of the Higgs boson research from a bibliometric perspective

The European Physical Journal – Plus 129(111), 1-13 (2014)

<http://dx.doi.org/10.1140/epjp/i2014-14111-6>

W. Marx, L. Bornmann

On the problems of dealing with bibliometric data

Journal of the Association for Information Science and Technology 65(4), 866-867 (2014)

<http://dx.doi.org/10.1002/asi.23059>

L. Bornmann, W. Marx

The wisdom of citing scientists

Journal of the Association for Information Science and Technology 65(6), 1288-1292 (2014)

<http://dx.doi.org/10.1002/asi.23100>

W. Marx, L. Bornmann

Tracing the origin of a scientific legend by reference publication year spectroscopy (RPYS): the legend of the Darwin finches

Scientometrics 99(3), 839–844 (2014)

<http://dx.doi.org/10.1007/s11192-013-1200-8>

L. Bornmann, W. Marx

Distributions instead of single numbers: Percentiles and beam plots for the assessment of single researchers

Journal of the Association for Information Science and Technology 65(1), 206-208 (2014)

<http://dx.doi.org/10.1002/asi.22996>

W. Marx, L. Bornmann, A. Barth, L. Leydesdorff

Detecting the historical roots of research fields by reference publication year spectroscopy (RPYS)

Journal of the Association for Information Science and Technology 65(4), 751-764 (2014)

<http://dx.doi.org/10.1002/asi.23089>

L. Leydesdorff, L. Bornmann, W. Marx, S. Milojević

Referenced publication years spectroscopy applied to iMetrics: Scientometrics, Journal of Informetrics, and a relevant subset of JASIST

Journal of Informetrics 8(1), 162-174 (2014)

<http://dx.doi.org/10.1016/j.joi.2013.11.006>

L. Bornmann, W. Marx

How to evaluate individual researchers working in the natural and life sciences meaningfully? A proposal of methods based on percentiles of citations

Scientometrics 98(1), 487-509 (2014)

<http://dx.doi.org/10.1007/s11192-013-1161-y>

L. Bornmann, W. Marx

How should the societal impact of research be generated and measured? A proposal for a simple and practicable approach to allow interdisciplinary comparisons

Scientometrics 98(1), 211-219 (2014)

<http://dx.doi.org/10.1007/s11192-013-1020-x>

2013

W. Marx, L. Bornmann, A. Barth

Detecting the historical roots of research fields by reference publication year spectroscopy (RPYS). Presented at the 14th International Society of Scientometrics and Informetrics Conference (ISSI), Vienna, Austria, July 15-20 (2013)

Book series, edited by J. Gorraiz et al.: Proceedings of the International Conference on Scientometrics and Informetrics, 493-506 (2013)
ISBN: 978-3-200-03135-7

L. Bornmann, W. Marx, A. Barth

The ideal way for the normalization of citation impact

Publications (Special Issue: Metrics in Publishing) 1, 78-86 (2013)

<http://dx.doi.org/10.3390/publications1020078>

W. Marx, L. Bornmann

Wie gut ist Forschung wirklich?

Perzentile zur Messung von Publikationsleistungen

BIOspektrum 19(3), 332-334 (2013)

L. Bornmann, W. Marx

Correspondence – Comments to the response of Rodríguez-Navarro

EMBO Reports 14(6), 493-494 (2013)

<http://dx.doi.org/10.1038/embor.2013.63>

L. Bornmann, W. Marx

How good is research really? Measuring the citation impact of publications with percentiles to ensure correct assessments and fair comparisons

EMBO Reports 14(3), 226-230 (2013)

<http://dx.doi.org/10.1038/embor.2013.9>

W. Marx, L. Bornmann

The use of assessment reports to generate and measure societal impact of research

Elsevier: Research Trends 33(6), 9-10 (2013)

<http://www.researchtrends.com/issue-33-june-2013/the-use-of-assessment-reports/>

W. Marx, L. Bornmann

Journal Impact Factor: “the poor man’s citation analysis” and alternative approaches

European Science Editing 39(2), 62-63 (2013)

L. Bornmann, W. Marx

Evaluating individual researchers’ performance

European Science Editing 39(2), 39-40 (2013)

L. Bornmann, W. Marx

Vorschläge für Standards zur Anwendung der Szientometrie bei der Evaluation von einzelnen Wissenschaftler(inne)n im Bereich der Naturwissenschaften

Zeitschrift für Evaluation 12(1), 103-127 (2013)

L. Bornmann, W. Marx

The proposal of a broadening of perspective in evaluative bibliometrics by complementing the times cited with a cited reference analysis

Journal of Informetrics 7(1), 84-88 (2013)

<http://dx.doi.org/10.1016/j.joi.2012.09.003>

W. Marx, L. Bornmann
 The emergence of plate tectonics and the Kuhnian model of paradigm shift: A bibliometric case study based on the Anna Karenina principle
 Scientometrics 94(2), 595-614 (2013)
<http://dx.doi.org/10.1007/s11192-012-0741-6>

2012

A. Greco, L. Bornmann, W. Marx
 Bibliometric analyses of scientific development in countries of the Union of South American Nations (UNASUR)
 El profesional de la información 21(6), 607-612 (2012)
<http://dx.doi.org/10.3145/epi.2012.nov.07>

A. Barth, W. Marx
 Stimulation of ideas through compound-based bibliometrics: Counting and mapping chemical compounds for analyzing research topics in chemistry, physics, and materials science
 ChemistryOpen 1, 276-283 (2012)
<http://dx.doi.org/10.1002/open.201200029>

L. Bornmann, B.F. Bowman, J. Bauer, W. Marx, H. Schier, M. Palzenberger
 Standards für die Anwendung der Bibliometrie bei der Evaluation von Forschungsinstituten im Bereich der Naturwissenschaften
 Zeitschrift für Evaluation 11(2), 233-260 (2012)

K. Hentschel, N.Y. Zhu, A.M. Hentschel, W. Marx
 Gustav Robert Kirchhoff's treatise on the theory of light rays (1882)
 Proceedings: Understanding Kirchhoff's Theory of Diffraction, Durham, May 29 (2012)

L. Bornmann, W. Marx
 The Anna Karenina principle: A way of thinking about success in science
 Journal of the American Society for Information Science and Technology 63(10), 2037-2051 (2012)
<http://dx.doi.org/10.1002/asi.22661>

L. Bornmann, W. Marx
 The effect of several versions of one and the same manuscript published by a journal on its Journal Impact Factor
 Scientometrics – Special Issue 92(2), 277-279 (2012)
<http://dx.doi.org/10.1007/s11192-012-0656-2>

S.C. Wimbush, W. Marx, A. Barth, S.R. Hall
 Addition of Iridium to the biopolymer-mediated synthesis of YBa₂Cu₃O₇-delta
 Physics Procedia 36 (EUCAS Conference 2011), 544-550 (2012)
<http://dx.doi.org/10.1016/j.phpro.2012.06.081>

W. Marx, L. Bornmann
 Wahrheit und Klarheit – Uneinheitliche Namen von Universitäten und ihre Folgen für die Forschungsevaluation
 Forschung & Lehre 8(12), 650-651 (2012)
http://www.forschung-und-lehre.de/wordpress/?page_id=7

W. Marx, L. Bornmann
 Der Journal Impact Factor – Ein problematischer bibliometrischer Indikator
 Qualität in der Wissenschaft – Zeitschrift für Qualitätsentwicklung in Forschung, Studium und Administration 6(2), 30-34 (2012)

<http://www.universitaetsverlagwebler.de/inhalte/qiw-2-2012.pdf>

W. Marx, L. Bornmann
 Der Journal Impact Factor: Aussagekraft, Grenzen und Alternativen in der
 Forschungsevaluation
 Beiträge zur Hochschulforschung 34(2), 50-66 (2012)
<http://www.ihf.bayern.de/>

W. Marx
 Tracking historical papers and their citations
 European Science Editing 38(2), 35-39 (2012)
<http://www.ease.org.uk/sites/default/files/may12toc.pdf>

L. Bornmann, W. Marx
 A Histcite analysis of papers constituting the h index research front
 Journal of Informetrics 6(2), 285-288 (2012)
<http://dx.doi.org/10.1016/j.joi.2011.11.001>

L. Bornmann, H. Schier, W. Marx, H.D. Daniel
 What factors determine citation counts of publications in chemistry besides their quality?
 Journal of Informetrics 6(1), 11-18 (2012)
<http://dx.doi.org/10.1016/j.joi.2011.08.004>

L. Bornmann, W. Marx, A.Y. Gasparian, G.D. Kitas
 Diversity, value and limitations of the journal impact factor and alternative metrics
 Rheumatology International 32, 1861-1867 (2012)
<http://dx.doi.org/10.1007/s00296-011-2276-1>

2011

W. Marx
 Literaturflut – Informationslawine – Wissensexpllosion
 Wächst der Wissenschaft das Wissen über den Kopf?
 Forschung (Politik – Strategie – Management), 4. Jahrgang (3-4), 96-104 (2011)
<http://www.universitaetsverlagwebler.de/inhalte/fo-3-4-2011.pdf>

W. Marx
 Bibliometrie in der Forschungsbewertung
 Forschung & Lehre 18(11), 858-860 (2011)
<http://www.forschung-und-lehre.de/wordpress/?p=9147>

W. Marx, D. Hoffmann
 Bibliometric analysis of fifty years of physica status solidi
 Physica Status Solidi B 248(12), 2762-2771 (2011)
<http://dx.doi.org/10.1002/pssb.201140122>

L. Bornmann, W. Marx
 The h index as a research performance indicator
 European Science Editing 37(3), 77-80 (2011)
<http://www.lutz-bornmann.de/icons/viewpoints.pdf>

W. Marx, M. Cardona, D.J. Lockwood
 Rutherford's scientific impact from a bibliometric perspective
 Australian Physics 48(3), 78-83 (2011)

W. Marx, M. Cardona, D.J. Lockwood

Rutherford's impact on science over the last 110 years: A bibliometric analysis
 Physics in Canada – La physique au Canada 67(1), 35-40 (2011)
[http://www.phys.canterbury.ac.nz/documents/Rutherford%20Bibliometry%20-%20Physics%20in%20Canada%2067%2035%20\(2011\)%20\(2\).pdf](http://www.phys.canterbury.ac.nz/documents/Rutherford%20Bibliometry%20-%20Physics%20in%20Canada%2067%2035%20(2011)%20(2).pdf)

M. Cardona, W. Marx
 On the value of author indices
 Physics Today 64(3), 9-10 (2011)
<http://dx.doi.org/10.1063/1.3563833>

W. Marx
 Special features of historical papers from the viewpoint of bibliometrics
 Journal of the American Society for Information Science and Technology 62(3), 433-439 (2011)
<http://dx.doi.org/10.1002/asi.21479>

L. Bornmann, R. Mutz, W. Marx, H. Schier, H.D. Daniel
 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 174(4), 857-879 (2011)
<http://dx.doi.org/10.1111/j.1467-985X.2011.00689.x>

L. Bornmann, H. Schier, W. Marx, H.D. Daniel
 Does the h index for assessing single publications really work?
 A case study on papers published in chemistry
 Scientometrics 89(3), 835-843 (2011)
<http://dx.doi.org/10.1007/s11192-011-0472-0>

A.H. Romero, R.K. Kremer, W. Marx
 The scientific road of Manuel Cardona: A bibliometric analysis
 Annalen der Physik (Special Issue) 523(1-2), 179-190 (2011)
<http://dx.doi.org/10.1002/andp.201000090>

L. Bornmann, H. Schier, W. Marx, H.D. Daniel
 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 American Society for Information Science and Technology 62(1), 61-71 (2011)
<http://dx.doi.org/10.1002/asi.21418>

2010

L. Bornmann, W. Marx, H. Schier, A. Thor, H.D. Daniel
 From black box to white box at open access journals: Predictive validity of manuscript reviewing and editorial decisions at Atmospheric Chemistry and Physics
 Research Evaluation 19(2), 105-118 (2010)
<http://dx.doi.org/10.3152/095820210X510089>

W. Marx, L. Bornmann, M. Cardona
 Reference standards and reference multipliers for the comparison of the citation impact of papers published in different time periods
 Journal of the American Society for Information Science and Technology 61(10), 2061-2069 (2010)

<http://dx.doi.org/10.1002/asi.21377>

S.C. Wimbush, W. Marx, A. Barth, S.R. Hall
 On the incorporation of beryllium into the biotemplated synthesis of $\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$
 Superconductor Science and Technology 23, 095003 (4pp) (2010)
<http://dx.doi.org/10.1088/0953-2048/23/9/095003>

W. Marx, A. Barth
 Carbon nanotubes – A scientometric study
 In: Carbon Nanotubes
 IN-TECH, Vienna (2010)
 ISBN 978-953-7619-X-X
<http://www.intechopen.com/articles/show/title/carbon-nanotubes-a-scientometric-study>

R.K. Kremer, W. Marx
 Scientific cooperation between Estonia and Germany from the viewpoint of bibliometry
 Akadeemia 22(1), 115-134 (2010)
<http://www.eurozine.com/journals/akadeemia/issue/2010-01-07.html>

2009

R.K. Kremer, W. Marx
 Aspects of the scientific cooperation of Estonia and Germany in view of bibliometry
 Proceedings of the Estonian Academy of Sciences 58(4), 255-262 (2009)
<http://dx.doi.org/10.3176/proc.2009.4.07>

W. Marx, L. Bornmann
 How accurately does Thomas Kuhn's model of paradigm change describe the transition from a static to a dynamic universe in cosmology?
 A historical reconstruction and citation analysis
 Scientometrics 84(2), 441-464 (2010)
<http://dx.doi.org/10.1007/s11192-009-0107-x>

W. Marx, M. Cardona
 The citation impact outside references – Formal versus informal citations
 Scientometrics 80(1), 1-21 (2009)
<http://dx.doi.org/10.1007/s11192-008-1824-2>

L. Bornmann, W. Marx, H. Schier
 Hirsch-type index values for organic chemistry journals: A comparison of new metrics with the Journal Impact Factor
 European Journal of Organic Chemistry 10, 1471-1476 (2009)
<http://dx.doi.org/10.1002/ejoc.200801243>

W. Marx
 Forschungsbewertung auf der Basis von Zitierungen – Aussagekraft und Grenzen der Methode. In: Diskussionspapiere der Alexander von Humboldt-Stiftung:
 Publikationsverhalten in unterschiedlichen wissenschaftlichen Disziplinen – Beiträge zur Beurteilung von Forschungsleistungen
 12/2009 – Zweite erweiterte Auflage, Seite 132-155 (2009)
http://www.avh.de/pls/web/docs/F13905/12_disk_papier_publikationsverhalten2_kompr.pdf

M. Cardona, W. Marx
 Vitaly L. Ginzburg: A bibliometric study
 In: Vitaly L. Ginzburg
 On superconductivity and superfluidity – A scientific autobiography

Springer, Berlin Heidelberg, pp. 217-232 (2009)
 ISBN: 978-3-540-68004-8 (Print) 978-3-540-68008-6 (Online)
http://dx.doi.org/10.1007/978-3-540-68008-6_7

W. Marx
 The anatomy of the International Journal of Materials Research
 in the light of bibliometry
 International Journal of Materials Research 100(1), 11-23 (2009)
<http://dx.doi.org/10.3139/146.101793>

L. Bornmann, W. Marx, H. Schier, E. Rahm, A. Thor, H.D. Daniel
 Convergent validity of bibliometric Google Scholar data in the field of chemistry – 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 3(1), 27-35 (2009)
<http://dx.doi.org/10.1016/j.joi.2008.11.001>

C. Neuhaus, W. Marx, H.D. Daniel
 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 American Society for Information Science and Technology 60(1), 176–183 (2009)
<http://dx.doi.org/10.1002/asi.20960>

2008

M. Cardona, W. Marx
 Max Planck – A conservative revolutionary
 Il Nuovo Saggiatore 24 (5-6), 39-54 (2008)
<http://prometeo.sif.it:8080/papers/online/sag/024/05-06/pdf/06.pdf>

W. Marx, A. Barth
 Carbon nanotubes – A scientometric study
 Physica Status Solidi B (Basic Solid State Physics) 245(10), 2347-2351 (2008)
<http://dx.doi.org/10.1002/pssb.200879660>

M. Cardona, W. Marx
 Max Born and his legacy to condensed matter physics
 Annalen der Physik 17(7), 497-518 (2008)
<http://dx.doi.org/10.1002/andp.200810304>

A. Barth, W. Marx
 Mapping high-temperature superconductors – A scientometric approach
 Journal of Superconductivity and Novel Magnetism 21(2), 113-128 (2008)
<http://dx.doi.org/10.1007/s10948-008-0307-2>

2007

M. Cardona, W. Marx
 Anatomy of the ICDS series: A bibliometric analysis
 Physica B (Condensed Matter) 401-402, 1-6 (2007)
<http://dx.doi.org/10.1016/j.physb.2007.08.101>

M. Cardona, R.V. Chamberlin, W. Marx

Comment on the history of the stretched exponential function
 Annalen der Physik 16(12), 842-845 (2007)
<http://dx.doi.org/10.1002/andp.200710269>

L. Bornmann, L. Leydesdorff, W. Marx
 Citation environment of Angewandte Chemie
 Chimia 61(3), 104-109 (2007)
<http://dx.doi.org/10.2533/chimia.2007.104>

W. Marx
 Dornröschen und Mauerblümchen
 Physik in unserer Zeit 38(1), 34-39 (2007)
<http://dx.doi.org/10.1002/piuz.200601112>

2006

M. Cardona, W. Marx
 The posthumous impact of Paul Drude
 Annalen der Physik 15(7-8), 461-468 (2006)
<http://dx.doi.org/10.1002/andp.200510196>

M. Cardona, W. Marx
 Vitaly L. Ginzburg – A bibliometric study
 Journal of Superconductivity and Novel Magnetism 19(3-5), 459-466 (2006)
 See also an updated version in: Vitaly L. Ginzburg
 On superconductivity and superfluidity – A scientific autobiography
 Springer, Berlin Heidelberg (2009)
<http://dx.doi.org/10.1007/s10948-006-0173-8>

2005

W. Marx, H. Schier
 CAS kontra Google
 Nachrichten aus der Chemie 53(12), 1228-1232 (2005)
<http://onlinelibrary.wiley.com/doi/10.1002/nadc.20050531210/abstract>

W. Marx
 Einsteins Spuren in den Archiven der Wissenschaft
 Physik in unserer Zeit 36(4), 188-191 (2005)
<http://dx.doi.org/10.1002/piuz.200501077>

M. Cardona, W. Marx
 The disaster of the Nazi-power in science as reflected by some leading journals and
 scientists in physics – A bibliometric study
 Scientometrics 64(3), 313-324 (2005)
<http://dx.doi.org/10.1007/s11192-005-0253-8>

2004

W. Marx, M. Cardona
 Blasts from the past
 Physics World 17(2), 14-15 (2004)
<http://physicsworldarchive.iop.org/index.cfm?action=summary&doc=17%2F2%2Fphwv17i2a21%40pwa-xml&qt=>

M. Cardona, W. Marx

Verwechselt, vergessen, wieder gefunden –
 Referenzen, das fehlerhafte Gedächtnis der Wissenschaft(ler)
 Physik Journal 3(11), 27-29 (2004)

2000-2003

W. Marx, M. Cardona
 The impact of Solid State Communications in view of the ISI Citation data
 Solid State Communications 127(5), 323-336 (2003)
[http://dx.doi.org/10.1016/S0038-1098\(03\)00442-3](http://dx.doi.org/10.1016/S0038-1098(03)00442-3)

W. Marx, H. Schier, M. Wanitschek
 Citation analysis using online databases: Feasibilities and shortcomings
 Scientometrics 52(1), 59-82 (2001)
<http://dx.doi.org/10.1023/A:1012798911792>

W. Marx
 Angewandte Chemie in light of the Science Citation Index
 Angewandte Chemie - International Edition 40 (1) 139-143 (2001)
 Die Angewandte Chemie im Lichte des Science Citation Index
 Angewandte Chemie 113(1), 143-148 (2001)
[http://dx.doi.org/10.1002/1521-3773\(20010105\)40:1<139::AID-ANIE139>3.0.CO;2-4](http://dx.doi.org/10.1002/1521-3773(20010105)40:1<139::AID-ANIE139>3.0.CO;2-4)

W. Marx, H. Schier
 Zitierungszahlen – eine Messlatte zur Bewertung von Forschungsqualität?
 Physikalische Blätter 57(10), 25-29 (2001)

1979-1999

W. Marx, M. Wanitschek, H. Schier
 Scientometrics on fullerenes and nanotubes
 Condensed Matter News 7(4), 3-7 (1999)
<http://dx.doi.org/10.1063/1.56494>

W. Marx, H. Schier, M. Wanitschek
 Kann man Forschungsqualität messen?
 Zitierungszahlen als Maß für Resonanz auf wissenschaftliche Aktivität
 MPG Spiegel 3, 24-30 (1998)

W. Marx
 Wie misst man Forschungsqualität?
 Der Science Citation Index – Ein Maßstab für die Bewertung
 cogito 4, 35-38 (1996)

W. Marx
 Datenbank-Portrait Beilstein
 cogito 3, 69-70 (1992)

W. Marx
 Online-Datenbanken: Wegweiser im Labyrinth des Fachwissens
 MPG Spiegel 6, 11-15 (1992)

W. Marx
 4-thia- 1-azabicyclo (3.2.0.) heptane-2...
 Chemische Verbindungen in Online-Datenbanken
 cogito 3, 16-23 (1992)

W. Marx

Für alle Zeit? Über die Lebensdauer von Datenträgern
cogito 1, 20-24 (1991)

W. Marx: Möglichkeiten und Grenzen...

Naturwissenschaftliche Datenbanken am Beispiel von Chemical Abstracts
cogito 2, 22-28 (1990)

W. Marx

Phantasievoll forschen – Bessere Suchergebnisse durch spielerische Datenbankrecherchen
cogito 5, 19-23 (1990)

W. Marx

Mit „elektronischen Bibliotheken“ gegen die Literaturflut
MPG Spiegel 2, 11-13 (1987)

U. Schurath, W.N. Marx, P.B. Monkhouse

Field-measurements of photolysis frequencies in the atmosphere
Journal of Photochemistry 17(1-2), 140 (1981)

W. Marx, F. Bahe, U. Schurath

NO yield of O(¹D) + N₂O as function of kinetic energy
Berichte der Bunsengesellschaft 83(3), 225-230 (1979)

F.C. Bahe, W.N. Marx, U. Schurath

Determination of the absolute photolysis rate of ozone by sunlight,
 $O_3 + h\nu \rightarrow O(^1D) + O_2(^1\Delta_g)$, at ground level
Atmospheric Environment 13(11), 1515-1522 (1979)

Invited Talks

Bibliometrie in der Forschungsbewertung
 Koordinatentreffen der International Max Planck Research School (IMPRS)
 Munich, March 26, 2012

Bibliometrics in the history and philosophy of science
 European Summer School for Scientometrics (esss)
 Vienna, September 12, 2011

Alte Arbeiten im Lichte ihrer Zitierungen - Nutzen und Grenzen der Bibliometrie in der
 Wissenschaftsgeschichte
 Colloquium: History and foundations of quantum physics
 Max Planck Institute for the History of Science
 Berlin, March 11, 2010

Searching scientific information - opportunities and pitfalls
 International Max Planck Research School (IMPRS Advanced Materials)
 Freudenstadt, December 11, 2009

Publikationen im Geflecht ihrer Zitierungen
 Stuttgarter Arbeitskreis für Wissenschafts- und Technikgeschichte
 University of Stuttgart, May 26, 2009

Bibliometrie in der Forschungsevaluierung
 Workshop - Bibliothek der Universität Konstanz
 Konstanz, May 6, 2008

Bibliometrie in der Forschungsevaluierung
 Exzellenzakademie Materialwissenschaft und Werkstoffwissenschaft (eamatwerk)
 Workshop Computational Materials Science
 St. Märgen, March 11, 2008

Gibt es eine Messlatte für Forschungsqualität?
 Jahresversammlung Gesamtbetriebsrat der MPG
 Bad Breisig, September 23, 2005

Die Nachwirkungen von Wilhelm Ostwald in der wissenschaftlichen Literatur
 Gesellschaft Deutscher Chemiker / Wilhelm Ostwald Gesellschaft
 Wilhelm-Ostwald-Festtage
 Großbothen, September 3, 2005

Zitierungszahlen in der Forschungsevaluierung - Aussagekraft, Erstellung und Interpretation
 Evaluierungsstelle ETH / University of Zürich
 Zürich, April 4, 2003

Zitierungszahlen als Resonanzmaß für wissenschaftliche Aktivität - Aussagekraft und
 Probleme der Interpretation
 Forschungszentrum Karlsruhe
 Karlsruhe, February 12, 2003

Die Angewandte Chemie im Lichte des Science Citation Index
 Kuratoriumssitzung der Angewandte Chemie
 Frankfurt, February 15, 2001