

Michael Kohlhase

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.

117
papers

1,000
citations

16
h-index

26
g-index

124
ext. papers

1,079
ext. citations

0.8
avg, IF

4.53
L-index

#	Paper	IF	Citations
117	OMDoc – An Open Markup Format for Mathematical Documents [version 1.2]. <i>Lecture Notes in Computer Science</i> , 2006 ,	0.9	83
116	A Search Engine for Mathematical Formulae. <i>Lecture Notes in Computer Science</i> , 2006 , 241-253	0.9	58
115	A scalable module system. <i>Information and Computation</i> , 2013 , 230, 1-54	0.8	57
114	Higher-order semantics and extensionality. <i>Journal of Symbolic Logic</i> , 2004 , 69, 1027-1088	0.4	52
113	MEGA: Towards a mathematical assistant. <i>Lecture Notes in Computer Science</i> , 1997 , 252-255	0.9	39
112	The Mizar Mathematical Library in OMDoc: Translation and Applications. <i>Journal of Automated Reasoning</i> , 2013 , 50, 191-202	1	34
111	Integrating Computer Algebra into Proof Planning. <i>Journal of Automated Reasoning</i> , 1998 , 21, 327-355	1	33
110	Using as a Semantic Markup Format. <i>Mathematics in Computer Science</i> , 2008 , 2, 279-304	0.5	30
109	MBase: Representing Knowledge and Context for the Integration of Mathematical Software Systems. <i>Journal of Symbolic Computation</i> , 2001 , 32, 365-402	0.8	27
108	Project Abstract: Logic Atlas and Integrator (LATIN). <i>Lecture Notes in Computer Science</i> , 2011 , 289-291	0.9	25
107	LMI: Lovely MEGA User Interface. <i>Formal Aspects of Computing</i> , 1999 , 11, 326-342	1.2	24
106	System description: Leo – A higher-order theorem prover. <i>Lecture Notes in Computer Science</i> , 1998 , 139-143	0.9	23
105	Transforming Large Collections of Scientific Publications to XML. <i>Mathematics in Computer Science</i> , 2010 , 3, 299-307	0.5	20
104	OMDoc: Towards an Internet Standard for the Administration, Distribution, and Teaching of Mathematical Knowledge. <i>Lecture Notes in Computer Science</i> , 2001 , 32-52	0.9	20
103	The Planetary System: Web 3.0 & Active Documents for STEM. <i>Procedia Computer Science</i> , 2011 , 4, 598-607	0.7	19
102	System Description: MathWeb, an Agent-Based Communication Layer for Distributed Automated Theorem Proving. <i>Lecture Notes in Computer Science</i> , 1999 , 217-221	0.9	19
101	Licensing the Mizar Mathematical Library. <i>Lecture Notes in Computer Science</i> , 2011 , 149-163	0.9	14

100	Applying Semantic Techniques to Search and Analyze Bug Tracking Data. <i>Journal of Network and Systems Management</i> , 2009 , 17, 285-308	2.1	12
99	Publishing Math Lecture Notes as Linked Data. <i>Lecture Notes in Computer Science</i> , 2010 , 370-375	0.9	12
98	Inference and Computational Semantics. <i>Studies in Linguistics and Philosophy</i> , 2001 , 11-28	0.2	12
97	A mechanization of strong Kleene logic for partial functions. <i>Lecture Notes in Computer Science</i> , 1994 , 371-385	0.9	12
96	OMDoc. <i>SIGSAM Bulletin: A Quarterly Publication of the Special Interest Group on Symbolic & Algebraic Manipulation</i> , 2000 , 34, 43-48		11
95	Extensional higher-order resolution. <i>Lecture Notes in Computer Science</i> , 1998 , 56-71	0.9	11
94	Notations for Living Mathematical Documents. <i>Lecture Notes in Computer Science</i> , 2008 , 504-519	0.9	11
93	Higher-order tableaux. <i>Lecture Notes in Computer Science</i> , 1995 , 294-309	0.9	11
92	The Flexiformalist Manifesto 2012 ,		10
91	Interoperability in the OpenDreamKit Project: The Math-in-the-Middle Approach. <i>Lecture Notes in Computer Science</i> , 2016 , 117-131	0.9	10
90	MathWebSearch 0.5: Scaling an Open Formula Search Engine. <i>Lecture Notes in Computer Science</i> , 2012 , 342-357	0.9	10
89	System Description: MBase, an Open Mathematical Knowledge Base. <i>Lecture Notes in Computer Science</i> , 2000 , 455-459	0.9	10
88	Semantic transparency in user assistance systems 2009 ,		8
87	Extended Formula Normalization for \mathbb{E} Retrieval and Sharing of Mathematical Knowledge. <i>Lecture Notes in Computer Science</i> , 2007 , 356-370	0.9	8
86	Towards MKM in the Large: Modular Representation and Scalable Software Architecture. <i>Lecture Notes in Computer Science</i> , 2010 , 370-384	0.9	8
85	Bringing Mathematics to the Web of Data: The Case of the Mathematics Subject Classification. <i>Lecture Notes in Computer Science</i> , 2012 , 763-777	0.9	8
84	Towards Collaborative Content Management and Version Control for Structured Mathematical Knowledge. <i>Lecture Notes in Computer Science</i> , 2003 , 147-161	0.9	8
83	Theories as Types. <i>Lecture Notes in Computer Science</i> , 2018 , 575-590	0.9	7

82	Classification of Alignments Between Concepts of Formal Mathematical Systems. <i>Lecture Notes in Computer Science</i> , 2017 , 83-98	0.9	7
81	Towards Logical Frameworks in the Heterogeneous Tool Set Hets. <i>Lecture Notes in Computer Science</i> , 2012 , 139-159	0.9	7
80	Semantics of OpenMath and MathML3. <i>Mathematics in Computer Science</i> , 2012 , 6, 235-260	0.5	7
79	STEX+ 2010 ,		7
78	Realms: A Structure for Consolidating Knowledge about Mathematical Theories. <i>Lecture Notes in Computer Science</i> , 2014 , 252-266	0.9	7
77	Compensating the Computational Bias of Spreadsheets with MKM Techniques. <i>Lecture Notes in Computer Science</i> , 2009 , 357-372	0.9	7
76	A Mathematical Approach to Ontology Authoring and Documentation. <i>Lecture Notes in Computer Science</i> , 2009 , 389-404	0.9	7
75	The LaTeXXML Daemon: Editable Math on the Collaborative Web. <i>Lecture Notes in Computer Science</i> , 2011 , 292-294	0.9	7
74	A Foundational View on Integration Problems. <i>Lecture Notes in Computer Science</i> , 2011 , 107-122	0.9	7
73	Communities of Practice in MKM: An Extensional Model. <i>Lecture Notes in Computer Science</i> , 2006 , 179-193	0.9	7
72	System Description: The MathWeb Software Bus for Distributed Mathematical Reasoning. <i>Lecture Notes in Computer Science</i> , 2002 , 139-143	0.9	7
71	Flexary Operators for Formalized Mathematics. <i>Lecture Notes in Computer Science</i> , 2014 , 312-327	0.9	6
70	Making PVS Accessible to Generic Services by Interpretation in a Universal Format. <i>Lecture Notes in Computer Science</i> , 2017 , 319-335	0.9	6
69	CPoint: Dissolving the Author's Dilemma. <i>Lecture Notes in Computer Science</i> , 2004 , 175-189	0.9	6
68	Extending MKM Formats at the Statement Level. <i>Lecture Notes in Computer Science</i> , 2012 , 65-80	0.9	6
67	Mathematical Models as Research Data via Flexiformal Theory Graphs. <i>Lecture Notes in Computer Science</i> , 2017 , 224-238	0.9	5
66	Managing Structural Information by Higher-Order Colored Unification 2000 , 25, 123-164		5
65	Knowledge-Based Interoperability for Mathematical Software Systems. <i>Lecture Notes in Computer Science</i> , 2017 , 195-210	0.9	5

64	Virtual Theories \square A Uniform Interface to Mathematical Knowledge Bases. <i>Lecture Notes in Computer Science</i> , 2017 , 243-257	0.9	5
63	Reexamining the MKM Value Proposition: From Math Web Search to Math Web ReSearch. <i>Lecture Notes in Computer Science</i> , 2007 , 313-326	0.9	5
62	Spreadsheet Interaction with Frames: Exploring a Mathematical Practice. <i>Lecture Notes in Computer Science</i> , 2009 , 341-356	0.9	5
61	Combining Source, Content, Presentation, Narration, and Relational Representation. <i>Lecture Notes in Computer Science</i> , 2011 , 212-227	0.9	5
60	Unification in order-sorted type theory 1992 , 421-432		4
59	An Exploration in the Space of Mathematical Knowledge. <i>Lecture Notes in Computer Science</i> , 2006 , 17-320.9	0.9	4
58	SWiM 2008 , 47-68		4
57	A Data Model and Encoding for a Semantic, Multilingual Terminology of Mathematics. <i>Lecture Notes in Computer Science</i> , 2014 , 169-183	0.9	4
56	System Description: MathHub.info. <i>Lecture Notes in Computer Science</i> , 2014 , 431-434	0.9	4
55	The SMGloM Project and System: Towards a Terminology and Ontology for Mathematics. <i>Lecture Notes in Computer Science</i> , 2016 , 451-457	0.9	4
54	Formal Management of CAD/CAM Processes. <i>Lecture Notes in Computer Science</i> , 2009 , 223-238	0.9	4
53	Workflows for the Management of Change in Science, Technologies, Engineering and Mathematics. <i>Lecture Notes in Computer Science</i> , 2011 , 164-179	0.9	4
52	Semantic Alliance: A Framework for Semantic Allies. <i>Lecture Notes in Computer Science</i> , 2012 , 49-64	0.9	4
51	A Tableau Calculus for Partial Functions. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 1996 , 21-49	1.9	4
50	Capturing the Content of Physics: Systems, Observables, and Experiments. <i>Lecture Notes in Computer Science</i> , 2006 , 165-178	0.9	4
49	Towards a Unified Mathematical Data Infrastructure: Database and Interface Generation. <i>Lecture Notes in Computer Science</i> , 2019 , 28-43	0.9	3
48	Modeling task experience in user assistance systems 2009 ,		3
47	Transforming the arXiv to XML. <i>Lecture Notes in Computer Science</i> , 2008 , 574-582	0.9	3

46	Cut-Simulation and Impredicativity. <i>Logical Methods in Computer Science</i> , 2009 , 5,		3
45	OMDoc: Open Mathematical Documents. <i>Lecture Notes in Computer Science</i> , 2006 , 25-32	0.9	3
44	GF + MMT = GLF [From Language to Semantics through LF. <i>Electronic Proceedings in Theoretical Computer Science</i> , <i>EPTCS</i> ,307, 24-39		3
43	Relational Data Across Mathematical Libraries. <i>Lecture Notes in Computer Science</i> , 2019 , 61-76	0.9	3
42	Representing Structural Language Features in Formal Meta-languages. <i>Lecture Notes in Computer Science</i> , 2020 , 206-221	0.9	3
41	The Planetary Project: Towards eMath3.0. <i>Lecture Notes in Computer Science</i> , 2012 , 448-452	0.9	3
40	Reimplementing the Mathematics Subject Classification (MSC) as a Linked Open Dataset. <i>Lecture Notes in Computer Science</i> , 2012 , 458-462	0.9	3
39	Model pathway diagrams for the representation of mathematical models. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	2
38	Visual Structure in Mathematical Expressions. <i>Lecture Notes in Computer Science</i> , 2017 , 208-223	0.9	2
37	Towards a flexible notion of document context 2011 ,		2
36	Higher-Order Multi-Valued Resolution. <i>Journal of Applied Non-Classical Logics</i> , 1999 , 9, 455-477	0.5	2
35	Logic-Independent Proof Search in Logical Frameworks. <i>Lecture Notes in Computer Science</i> , 2020 , 395-401.	0.9	2
34	Discourse Phenomena in Mathematical Documents. <i>Lecture Notes in Computer Science</i> , 2018 , 147-163	0.9	2
33	Translating the IMPS Theory Library to MMT/OMDoc. <i>Lecture Notes in Computer Science</i> , 2018 , 7-22	0.9	2
32	Unifying Math Ontologies: A Tale of Two Standards. <i>Lecture Notes in Computer Science</i> , 2009 , 263-278	0.9	2
31	A Universal Machine for Biform Theory Graphs. <i>Lecture Notes in Computer Science</i> , 2013 , 82-97	0.9	2
30	Die Beweisentwicklungsumgebung(Omega) -Mkrp. <i>Computer Science - Research and Development</i> , 1996 , 11, 20-26		1
29	(Deep) FAIR mathematics. <i>IT - Information Technology</i> , 2020 , 62, 7-17	0.4	1

28	Cut-Simulation in Impredicative Logics. <i>Lecture Notes in Computer Science</i> , 2006 , 220-234	0.9	1
27	TGView3D: A System for 3-Dimensional Visualization of Theory Graphs. <i>Lecture Notes in Computer Science</i> , 2020 , 290-296	0.9	1
26	Towards a Heterogeneous Query Language for Mathematical Knowledge. <i>Lecture Notes in Computer Science</i> , 2020 , 39-54	0.9	1
25	Knowledge Amalgamation for Computational Science and Engineering. <i>Lecture Notes in Computer Science</i> , 2018 , 232-247	0.9	1
24	Towards a Community of Practice Toolkit Based on Semantically Marked Up Artifacts. <i>Lecture Notes in Computer Science</i> , 2008 , 41-50	0.9	1
23	Formula Semantification and Automated Relation Finding in the On-Line Encyclopedia for Integer Sequences. <i>Lecture Notes in Computer Science</i> , 2016 , 467-475	0.9	1
22	Dimensions of Formality: A Case Study for MKM in Software Engineering. <i>Lecture Notes in Computer Science</i> , 2010 , 355-369	0.9	1
21	Open image in new window An Integrated Development Environment for Open image in new window Collections. <i>Lecture Notes in Computer Science</i> , 2010 , 336-344	0.9	1
20	A Proof Theoretic Interpretation of Model Theoretic Hiding. <i>Lecture Notes in Computer Science</i> , 2012 , 118-138	0.9	1
19	Full Semantic Transparency: Overcoming Boundaries of Applications. <i>Lecture Notes in Computer Science</i> , 2013 , 406-423	0.9	1
18	Representing, Archiving, and Searching the Space of Mathematical Knowledge. <i>Lecture Notes in Computer Science</i> , 2014 , 26-30	0.9	1
17	Big Math and the One-Brain Barrier: The Tetrapod Model of Mathematical Knowledge. <i>Mathematical Intelligencer</i> , 2021 , 43, 78-87	0.2	0
16	Experiences from Exporting Major Proof Assistant Libraries. <i>Journal of Automated Reasoning</i> , 2021 , 65, 1265	1	0
15	Integrating Semantic Mathematical Documents and Dynamic Notebooks. <i>Lecture Notes in Computer Science</i> , 2019 , 275-290	0.9	
14	Discourse-Level Parallel Markup and Meaning Adoption in Flexiformal Theory Graphs. <i>Lecture Notes in Computer Science</i> , 2014 , 36-40	0.9	
13	Software Citations, Information Systems, and Beyond. <i>Lecture Notes in Computer Science</i> , 2017 , 99-114	0.9	
12	Mashups Using Mathematical Knowledge 2013 , 171-204		
11	Context-Aware Adaptation: A Case Study On Mathematical Notations. <i>Information Systems Management</i> , 2009 , 26, 215-230	3.1	

10	Reasoning without believing: on the mechanisation of presuppositions and partiality. <i>Journal of Applied Non-Classical Logics</i> , 2012 , 22, 295-317	0.5
9	MBase: Representing mathematical Knowledge in a Relational Data Base. <i>Electronic Notes in Theoretical Computer Science</i> , 1999 , 23, 451-468	0.7
8	Automatically Finding Theory Morphisms for Knowledge Management. <i>Lecture Notes in Computer Science</i> , 2018 , 209-224	0.9
7	FrameIT: Detangling Knowledge Management from Game Design in Serious Games. <i>Lecture Notes in Computer Science</i> , 2020 , 173-189	0.9
6	Unification in a sorted λ -calculus with term declarations and function sorts. <i>Lecture Notes in Computer Science</i> , 1994 , 331-342	0.9
5	Math Literate Knowledge Management via Induced Material. <i>Lecture Notes in Computer Science</i> , 2015 , 187-202	0.9
4	A Flexiformal Model of Knowledge Dissemination and Aggregation in Mathematics. <i>Lecture Notes in Computer Science</i> , 2015 , 137-152	0.9
3	Faceted Search for Mathematics. <i>Lecture Notes in Computer Science</i> , 2016 , 406-420	0.9
2	The Planetary System: Executable Science, Technology, Engineering and Math Papers. <i>Lecture Notes in Computer Science</i> , 2011 , 471-475	0.9
1	System Description: A Semantics-Aware Open image in new windowto-Office Converter. <i>Lecture Notes in Computer Science</i> , 2014 , 440-443	0.9