

William M Farmer

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

602
citations

687363

13
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610901

24
g-index

31
all docs

31
docs citations

31
times ranked

149
citing authors

#	ARTICLE	IF	CITATIONS
1	Big Math and the One-Brain Barrier: The Tetrapod Model of Mathematical Knowledge. <i>Mathematical Intelligencer</i> , 2021, 43, 78-87.	0.2	6
2	Towards Specifying Symbolic Computation. <i>Lecture Notes in Computer Science</i> , 2019, , 109-124.	1.3	0
3	Incorporating quotation and evaluation into Church's type theory. <i>Information and Computation</i> , 2018, 260, 9-50.	0.7	5
4	FCL: A Formal Language for Writing Contracts. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 190-208.	0.6	2
5	Biform Theories: Project Description. <i>Lecture Notes in Computer Science</i> , 2018, , 76-86.	1.3	0
6	Formalizing Mathematical Knowledge as a Biform Theory Graph: A Case Study. <i>Lecture Notes in Computer Science</i> , 2017, , 9-24.	1.3	5
7	A Formal Language for Writing Contracts. , 2016, , .		7
8	The Formalization of Syntax-Based Mathematical Algorithms Using Quotation and Evaluation. <i>Lecture Notes in Computer Science</i> , 2013, , 35-50.	1.3	8
9	Panoptes. <i>Electronic Notes in Theoretical Computer Science</i> , 2009, 226, 39-48.	0.9	4
10	A Review of Mathematical Knowledge Management. <i>Lecture Notes in Computer Science</i> , 2009, , 233-246.	1.3	14
11	The seven virtues of simple type theory. <i>Journal of Applied Logic</i> , 2008, 6, 267-286.	1.1	44
12	Formalizing Undefinedness Arising in Calculus. <i>Lecture Notes in Computer Science</i> , 2004, , 475-489.	1.3	11
13	MKM. <i>SIGSAM Bulletin: A Quarterly Publication of the Special Interest Group on Symbolic & Algebraic Manipulation</i> , 2004, 38, 47-52.	0.3	10
14	An Overview of a Formal Framework for Managing Mathematics. <i>Annals of Mathematics and Artificial Intelligence</i> , 2003, 38, 165-191.	1.3	10
15	STMM: A Set Theory for Mechanized Mathematics. <i>Journal of Automated Reasoning</i> , 2001, 26, 269-289.	1.4	7
16	A Set Theory with Support for Partial Functions. <i>Studia Logica</i> , 2000, 66, 59-78.	0.6	13
17	An Infrastructure for Intertheory Reasoning. <i>Lecture Notes in Computer Science</i> , 2000, , 115-131.	1.3	16
18	IMPS: An updated system description. <i>Lecture Notes in Computer Science</i> , 1996, , 298-302.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Contexts in Mathematical Reasoning and Computation. Journal of Symbolic Computation, 1995, 19, 201-216.	0.8	5
20	Reasoning about partial functions with the aid of a computer. Erkenntnis, 1995, 43, 279-294.	0.9	15
21	Theory interpretation in simple type theory. Lecture Notes in Computer Science, 1994, , 96-123.	1.3	19
22	A simple type theory with partial functions and subtypes ¹¹ Supported by the MITRE-Sponsored Research program. Presented at the 9th International Congress of Logic, Methodology and Philosophy of Science held in Uppsala, Sweden, August 7-14, 1991.. Annals of Pure and Applied Logic, 1993, 64, 211-240.	0.5	24
23	IMPS: An interactive mathematical proof system. Journal of Automated Reasoning, 1993, 11, 213-248.	1.4	102
24	The Kreisel length-of-proof problem. Annals of Mathematics and Artificial Intelligence, 1992, 6, 27-55.	1.3	3
25	Little theories. Lecture Notes in Computer Science, 1992, , 567-581.	1.3	64
26	A unification-theoretic method for investigating the k-provability problem. Annals of Pure and Applied Logic, 1991, 51, 173-214.	0.5	17
27	Simple second-order languages for which unification is undecidable. Theoretical Computer Science, 1991, 87, 25-41.	0.9	42
28	A partial functions version of Church's simple theory of types. Journal of Symbolic Logic, 1990, 55, 1269-1291.	0.5	76
29	IMPS : An interactive mathematical proof system. Lecture Notes in Computer Science, 1990, , 653-654.	1.3	16
30	A unification algorithm for second-order monadic terms. Annals of Pure and Applied Logic, 1988, 39, 131-174.	0.5	46