

Roger D Maddux

List of Publications by Year in descending order

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46
papers

882
citations

687363

13
h-index

477307

29
g-index

46
all docs

46
docs citations

46
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	On binary constraint problems. <i>Journal of the ACM</i> , 1994, 41, 435-469.	2.2	135
2	Some varieties containing relation algebras. <i>Transactions of the American Mathematical Society</i> , 1982, 272, 501-526.	0.9	127
3	The origin of relation algebras in the development and axiomatization of the calculus of relations. <i>Studia Logica</i> , 1991, 50, 421-455.	0.6	95
4	A sequent calculus for relation algebras. <i>Annals of Pure and Applied Logic</i> , 1983, 25, 73-101.	0.5	62
5	Nonfinite axiomatizability results for cylindric and relation algebras. <i>Journal of Symbolic Logic</i> , 1989, 54, 951-974.	0.5	59
6	Relation-algebraic semantics. <i>Theoretical Computer Science</i> , 1996, 160, 1-85.	0.9	52
7	The equational theory of CA3 is undecidable. <i>Journal of Symbolic Logic</i> , 1980, 45, 311-316.	0.5	43
8	Pair-dense relation algebras. <i>Transactions of the American Mathematical Society</i> , 1991, 328, 83-131.	0.9	37
9	Some sufficient conditions for the representability of relation algebras. <i>Algebra Universalis</i> , 1978, 8, 162-172.	0.3	33
10	Relation algebra reducts of cylindric algebras and an application to proof theory. <i>Journal of Symbolic Logic</i> , 2002, 67, 197-213.	0.5	27
11	Finitary Algebraic Logic. <i>Zeitschrift für Mathematische Logik Und Grundlagen Der Mathematik</i> , 1989, 35, 321-332.	0.2	23
12	Self-Similarity and the Species-Area Relationship. <i>American Naturalist</i> , 2004, 163, 616-626.	2.1	22
13	Finite integral relation algebras. <i>Lecture Notes in Mathematics</i> , 1985, , 175-197.	0.2	18
14	A perspective on the theory of relation algebras. <i>Algebra Universalis</i> , 1994, 31, 456-465.	0.3	14
15	Embedding modular lattices into relation algebras. <i>Algebra Universalis</i> , 1981, 12, 242-246.	0.3	13
16	RELEVANCE LOGIC AND THE CALCULUS OF RELATIONS. <i>Review of Symbolic Logic</i> , 2010, 3, 41-70.	0.7	13
17	Provability with Finitely Many Variables. <i>Bulletin of Symbolic Logic</i> , 2002, 8, 348-379.	0.2	12
18	Representations for Small Relation Algebras. <i>Notre Dame Journal of Formal Logic</i> , 1994, 35, .	0.4	11

#	ARTICLE	IF	CITATIONS
19	Relation algebras of every dimension. <i>Journal of Symbolic Logic</i> , 1992, 57, 1213-1229.	0.5	10
20	RELEVANCE LOGICS AND RELATION ALGEBRAS. <i>Review of Symbolic Logic</i> , 2009, 2, 102-131.	0.7	10
21	The neat embedding problem and the number of variables required in proofs. <i>Proceedings of the American Mathematical Society</i> , 1991, 112, 195-202.	0.8	9
22	Equations not preserved by complete extensions. <i>Algebra Universalis</i> , 1982, 15, 86-89.	0.3	7
23	Necessary subalgebras of simple nonintegral semiassociative relation algebras. <i>Algebra Universalis</i> , 1990, 27, 544-558.	0.3	7
24	On the dependence of functions on their variables. <i>Journal of Combinatorial Theory - Series A</i> , 1982, 33, 106-108.	0.8	6
25	Undecidable semiassociative relation algebras. <i>Journal of Symbolic Logic</i> , 1994, 59, 398-418.	0.5	6
26	Finitary algebraic logic II. <i>Mathematical Logic Quarterly</i> , 1993, 39, 566-569.	0.2	5
27	Canonical relativized cylindric set algebras. <i>Proceedings of the American Mathematical Society</i> , 1989, 107, 465-478.	0.8	5
28	Subcompletions of representable relation algebras. <i>Algebra Universalis</i> , 2018, 79, 1.	0.3	4
29	Chromatic Graphs, Ramsey Numbers and the Flexible Atom Conjecture. <i>Electronic Journal of Combinatorics</i> , 2008, 15, .	0.4	4
30	A relation algebra which is not a cylindric reduct. <i>Algebra Universalis</i> , 1990, 27, 279-288.	0.3	2
31	THERE IS NO FINITE-VARIABLE EQUATIONAL AXIOMATIZATION OF REPRESENTABLE RELATION ALGEBRAS OVER WEAKLY REPRESENTABLE RELATION ALGEBRAS. <i>Review of Symbolic Logic</i> , 2016, 9, 511-521.	0.7	2
32	Finite representations for two small relation algebras. <i>Algebra Universalis</i> , 2018, 79, 1.	0.3	2
33	Monk algebras and Ramsey theory. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2022, 126, 100759.	0.5	2
34	Relation Algebras for Reasoning about Time and Space. <i>Workshops in Computing</i> , 1994, , 27-44.	0.4	1
35	Robin Hirsch and Ian Hodkinson. <i>Relation algebras by games</i> . Elsevier, Amsterdam, 2002, xviii + 691 pp.. <i>Bulletin of Symbolic Logic</i> , 2003, 9, 515-520.	0.2	1
36	Anita Burdman Feferman and Solomon Feferman. <i>Alfred Tarski, Life and Logic</i> Cambridge University Press, Cambridge, 2004, vi + 425 pp.. <i>Bulletin of Symbolic Logic</i> , 2005, 11, 535-540.	0.2	1

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37	Arrow's Theorem for incomplete relations. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2014, 83, 235-248.	0.5	1
38	Tarskian Classical Relevant Logic. <i>Outstanding Contributions To Logic</i> , 2022, , 67-161.	0.3	1
39	H. Andr�ska, S. Givant, and I. N�meti. Decision problems for equational theories of relation algebras. <i>Memoirs of the American Mathematical Society</i> , vol. 126, no. 604. American Mathematical Society, Providence, March 1997, xiv + 126 pp.. <i>Bulletin of Symbolic Logic</i> , 2003, 9, 37-39.	0.2	0
40	Finite, integral, and finite-dimensional relation algebras: a brief history. <i>Annals of Pure and Applied Logic</i> , 2004, 127, 117-130.	0.5	0
41	Nonrepresentable relation algebras generated by functional elements. <i>Algebra Universalis</i> , 2005, 52, 155-165.	0.3	0
42	Eric Schechter. <i>Classical and nonclassical logic: an introduction to the mathematics of propositions</i> . Princeton University Press, Princeton and Oxford, 2005, x + 507 pp.. <i>Bulletin of Symbolic Logic</i> , 2006, 12, 308-309.	0.2	0
43	Finite Symmetric Integral Relation Algebras with No 3-Cycles. <i>Lecture Notes in Computer Science</i> , 2006, , 2-29.	1.3	0
44	Weak representations of relation algebras and relational bases. <i>Journal of Symbolic Logic</i> , 2011, 76, 870-882.	0.5	0
45	An error in a proof in Boolean Algebras with Operators, Part I. <i>Algebra Universalis</i> , 2018, 79, 1.	0.3	0
46	Identities Generalizing the Theorems of Pappus and Desargues. <i>Symmetry</i> , 2021, 13, 1382.	2.2	0