Robin Hirsch

List of Publications by Year
in descending order

		759055	752573
63 papers	**473** citations	**12** h-index	**20** g-index
66 all docs	**66** docs citations	**66** times ranked	**81** citing authors

#	Article	IF	Citations
1	Complete representations in algebraic logic. Journal of Symbolic Logic, 1997, 62, 816-847.	0.4	53
2	Representability is not decidable for finite relation algebras. Transactions of the American Mathematical Society, 1999, 353, 1403-1425.	0.5	40
3	Step by step â€" Building representations in algebraic logic. Journal of Symbolic Logic, 1997, 62, 225-279.	0.4	39
4	Expressive power and complexity in algebraic logic. Journal of Logic and Computation, 1997, 7, 309-351.	0.5	37
5	Relation algebras of intervals. Artificial Intelligence, 1996, 83, 267-295.	3.9	30
6	Relation algebra reducts of cylindric algebras and an application to proof theory. Journal of Symbolic Logic, 2002, 67, 197-213.	0.4	27
7	Axiomatizability of representable domain algebras. The Journal of Logic and Algebraic Programming, 2011, 80, 75-91.	1.4	16
8	Relation algebras with n-dimensional relational bases. Annals of Pure and Applied Logic, 2000, 101, 227-274.	0.3	15
9	Strongly representable atom structures of relation algebras. Proceedings of the American Mathematical Society, 2002, 130, 1819-1831.	0.4	15
10	Representable semilattice-ordered monoids. Algebra Universalis, 2007, 57, 333-370.	0.2	14
11	Undecidability of representability as binary relations. Journal of Symbolic Logic, 2012, 77, 1211-1244.	0.4	14
12	THE NEAT EMBEDDING PROBLEM FOR ALGEBRAS OTHER THAN CYLINDRIC ALGEBRAS AND FOR INFINITE DIMENSIONS. Journal of Symbolic Logic, 2014, 79, 208-222.	0.4	14
13	Relation algebras from cylindric algebras, II. Annals of Pure and Applied Logic, 2001, 112, 267-297.	0.3	13
14	Provability with Finitely Many Variables. Bulletin of Symbolic Logic, 2002, 8, 348-379.	0.2	12
15	Evolving Lucene search queries for text classification. , 2007, , .		12
16	Ordered domain algebras. Journal of Applied Logic, 2013, 11, 266-271.	1.1	11
17	EVOLVING TEXT CLASSIFICATION RULES WITH GENETIC PROGRAMMING. Applied Artificial Intelligence, 2005, 19, 659-676.	2.0	10
18	The Class of Representable Ordered Monoids has a Recursively Enumerable, Universal Axiomatisation but it is Not Finitely Axiomatisable. Logic Journal of the IGPL, 2005, 13, 159-171.	1.3	9

#	Article	IF	Citations
19	Relation algebra reducts of cylindric algebras and complete representations. Journal of Symbolic Logic, 2007, 72, 673-703.	0.4	9
20	Strongly representable atom structures of cylindric algebras. Journal of Symbolic Logic, 2009, 74, 811-828.	0.4	9
21	POSITIVE FRAGMENTS OF RELEVANCE LOGIC AND ALGEBRAS OF BINARY RELATIONS. Review of Symbolic Logic, 2011, 4, 81-105.	0.7	9
22	The algebra of functions with antidomain and range. Journal of Pure and Applied Algebra, 2016, 220, 2214-2239.	0.3	8
23	Completely Representable Relation Algebras. Logic Journal of the IGPL, 1995, 3, 77-91.	1.3	6
24	Algebraic foundations for qualitative calculi and networks. Theoretical Computer Science, 2019, 768, 99-116.	0.5	6
25	Completely representable lattices. Algebra Universalis, 2012, 67, 205-217.	0.2	5
26	From points to intervals. Journal of Applied Non-Classical Logics, 1994, 4, 7-27.	0.4	4
27	Finite representability of semigroups with demonic refinement. Algebra Universalis, 2021, 82, 1.	0.2	4
28	Tractable approximations for temporal constraint handling. Artificial Intelligence, 2000, 116, 287-295.	3.9	3
29	Relation algebras from cylindric algebras, I. Annals of Pure and Applied Logic, 2001, 112, 225-266.	0.3	3
30	THE TEMPORAL LOGIC OF TWO DIMENSIONAL MINKOWSKI SPACETIME IS DECIDABLE. Journal of Symbolic Logic, 2018, 83, 829-867.	0.4	3
31	Axioms for signatures with domain and demonic composition. Algebra Universalis, 2021, 82, 1.	0.2	3
32	Demonic Lattices and Semilattices in Relational Semigroups with Ordinary Composition. , 2021, , .		3
33	The Algebra of Non-deterministic Programs: Demonic Operations, Orders and Axioms. Logic Journal of the IGPL, 0, , .	1.3	3
34	Examples of relation algebras. Studies in Logic and the Foundations of Mathematics, 2002, 147, 133-149.	0.2	2
35	Binary relations and relation algebra. Studies in Logic and the Foundations of Mathematics, 2002, , 99-131.	0.2	2
36	Probabilistic Logic over Paths. Electronic Notes in Theoretical Computer Science, 2008, 220, 79-96.	0.9	2

#	ARTICLE	IF	CITATIONS
37	THERE IS NO FINITE-VARIABLE EQUATIONAL AXIOMATIZATION OF REPRESENTABLE RELATION ALGEBRAS OVER WEAKLY REPRESENTABLE RELATION ALGEBRAS. Review of Symbolic Logic, 2016, 9, 511-521.	0.7	2
38	INTRACTABILITY IN THE ALLEN AND KOOMEN PLANNER. Computational Intelligence, 1995, 11, 553-564.	2.1	1
39	Games and networks. Studies in Logic and the Foundations of Mathematics, 2002, 147, 217-259.	0.2	1
40	A New Reduction from 3SAT to n-Partite Graphs. , 2007, , .		1
41	Undecidability of Algebras of Binary Relations. Outstanding Contributions To Logic, 2021, , 267-287.	0.2	1
42	Seurat games on Stockmeyer graphs. Journal of Graph Theory, 0, , .	0.5	1
43	Decidability of Equational Theories for Subsignatures of Relation Algebra. Lecture Notes in Computer Science, 2018, , 87-96.	1.0	1
44	Relativisation and cylindric algebras. Studies in Logic and the Foundations of Mathematics, 2002, , 151-198.	0.2	0
45	Other approaches to algebras of relations. Studies in Logic and the Foundations of Mathematics, 2002, , 199-212.	0.2	0
46	Axiomatising representable relation algebras and cylindric algebras. Studies in Logic and the Foundations of Mathematics, 2002, 147, 261-272.	0.2	0
47	Axiomatising pseudo-elementary classes. Studies in Logic and the Foundations of Mathematics, 2002, 147, 273-308.	0.2	0
48	Game trees. Studies in Logic and the Foundations of Mathematics, 2002, , 309-333.	0.2	0
49	Atomic networks. Studies in Logic and the Foundations of Mathematics, 2002, 147, 335-352.	0.2	0
50	Introduction to approximations. Studies in Logic and the Foundations of Mathematics, 2002, , 355-362.	0.2	0
51	Approximations to RRA. Studies in Logic and the Foundations of Mathematics, 2002, , 399-438.	0.2	0
52	Introduction to the constructions. Studies in Logic and the Foundations of Mathematics, 2002, 147, 441-443.	0.2	0
53	Strongly representable relation algebra atom structures. Studies in Logic and the Foundations of Mathematics, 2002, 147, 445-462.	0.2	0
54	Non-finite axiomatisability of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.co. St	0.2	0

#	Article	IF	Citations
55	The rainbow construction for relation algebras. Studies in Logic and the Foundations of Mathematics, 2002, 147, 491-511.	0.2	0
56	Applying the rainbow construction. Studies in Logic and the Foundations of Mathematics, 2002, , 513-536.	0.2	0
57	Undecidability of the representation problem for finite algebras. Studies in Logic and the Foundations of Mathematics, 2002, , 539-579.	0.2	0
58	Finite base property. Studies in Logic and the Foundations of Mathematics, 2002, 147, 581-606.	0.2	0
59	Brief summary. Studies in Logic and the Foundations of Mathematics, 2002, , 609-623.	0.2	0
60	Relational, cylindric, and hyperbases. Studies in Logic and the Foundations of Mathematics, 2002, , 363-398.	0.2	0
61	Weak representations of relation algebras and relational bases. Journal of Symbolic Logic, 2011, 76, 870-882.	0.4	0
62	Temporal Logic of Minkowski Spacetime. Outstanding Contributions To Logic, 2022, , 389-409.	0.2	0
63	Connections Between Cylindric Algebras and Relation Algebras. Studies in Fuzziness and Soft Computing, 2001, , 239-246.	0.6	0