

Brian A Davey

List of Publications by Year in descending order

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81
papers

2,971
citations

430874

18
h-index

580821

25
g-index

82
all docs

82
docs citations

82
times ranked

1008
citing authors

#	ARTICLE	IF	CITATIONS
1	Splittings in varieties of logic. <i>International Journal of Algebra and Computation</i> , 2021, 31, 727-774.	0.5	0
2	Expanding Belnap: dualities for a new class of default bilattices. <i>Algebra Universalis</i> , 2020, 81, 1.	0.3	1
3	The Homomorphism Lattice Induced by a Finite Algebra. <i>Order</i> , 2018, 35, 193-214.	0.5	4
4	New-from-old full dualities via axiomatisation. <i>Annals of Pure and Applied Logic</i> , 2018, 169, 588-615.	0.5	0
5	Restricted Priestley Dualities and Discriminator Varieties. <i>Studia Logica</i> , 2017, 105, 843-872.	0.6	3
6	Bohr Compactifications of Algebras and Structures. <i>Applied Categorical Structures</i> , 2017, 25, 403-430.	0.5	2
7	Dualisability in general and endodualisability in particular. , 2017, , 437-455.		6
8	Piggyback dualities revisited. <i>Algebra Universalis</i> , 2016, 76, 245-285.	0.3	3
9	Counting relations on Ockham algebras. <i>Algebra Universalis</i> , 2015, 74, 35-63.	0.3	2
10	Dualizability of automatic algebras. <i>Journal of Pure and Applied Algebra</i> , 2014, 218, 1324-1345.	0.6	4
11	The product representation theorem for interlaced pre-bilattices: some historical remarks. <i>Algebra Universalis</i> , 2013, 70, 403-409.	0.3	12
12	THE LATTICE OF ALTER EGOS. <i>International Journal of Algebra and Computation</i> , 2012, 22, 1250007.	0.5	7
13	Natural Dualities in Partnership. <i>Applied Categorical Structures</i> , 2012, 20, 583-602.	0.5	7
14	Full dualisability is independent of the generating algebra. <i>Algebra Universalis</i> , 2012, 67, 257-272.	0.3	3
15	Canonical Extensions and Discrete Dualities for Finitely Generated Varieties of Lattice-based Algebras. <i>Studia Logica</i> , 2012, 100, 137-161.	0.6	6
16	Natural extensions and profinite completions of algebras. <i>Algebra Universalis</i> , 2011, 66, 205-241.	0.3	9
17	Multisorted dualisability: change of base. <i>Algebra Universalis</i> , 2011, 66, 331-336.	0.3	3
18	Finite degree: algebras in general and semigroups in particular. <i>Semigroup Forum</i> , 2011, 83, 89-110.	0.6	11

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19	A topological approach to canonical extensions in finitely generated varieties of lattice-based algebras. <i>Topology and Its Applications</i> , 2011, 158, 1724-1731.	0.4	4
20	Flat unars: the primal, the semi-primal and the dualisable. <i>Algebra Universalis</i> , 2010, 63, 303-329.	0.3	7
21	Using coloured ordered sets to study finite-level full dualities. <i>Algebra Universalis</i> , 2010, 64, 69-100.	0.3	4
22	COUNTING THE RELATIONS COMPATIBLE WITH AN ALGEBRA. <i>International Journal of Algebra and Computation</i> , 2010, 20, 901-922.	0.5	4
23	The axiomatizability of topological prevarieties. <i>Advances in Mathematics</i> , 2008, 218, 1604-1653.	1.1	21
24	PRINCIPAL AND SYNTACTIC CONGRUENCES IN CONGRUENCE-DISTRIBUTIVE AND CONGRUENCE-PERMUTABLE VARIETIES. <i>Journal of the Australian Mathematical Society</i> , 2008, 85, 59-74.	0.4	9
25	Dualisability versus residual character: A theorem and a counterexample. <i>Journal of Pure and Applied Algebra</i> , 2007, 210, 423-435.	0.6	7
26	Full but not strong dualities at the finite level: Extending the realm. <i>Algebra Universalis</i> , 2007, 56, 37-56.	0.3	4
27	Not every full duality is strong!. <i>Algebra Universalis</i> , 2007, 57, 375-381.	0.3	5
28	Natural dualities for semilattice-based algebras. <i>Algebra Universalis</i> , 2007, 57, 463-490.	0.3	14
29	Boolean Topological Distributive Lattices and Canonical Extensions. <i>Applied Categorical Structures</i> , 2007, 15, 225-241.	0.5	10
30	Standard topological algebras: syntactic and principal congruences and profiniteness. <i>Algebra Universalis</i> , 2005, 52, 343-376.	0.3	27
31	Full does not imply strong, does it?. <i>Algebra Universalis</i> , 2005, 54, 1-22.	0.3	15
32	Dual categories for endodualisable Heyting algebras: optimization and axiomatization. <i>Algebra Universalis</i> , 2005, 53, 331-355.	0.3	7
33	Structural entailment. <i>Algebra Universalis</i> , 2005, 54, 397-416.	0.3	10
34	Applications of Priestley duality in transferring optimal dualities. <i>Studia Logica</i> , 2004, 78, 213-236.	0.6	4
35	A Coalgebraic View of Heyting Duality. <i>Studia Logica</i> , 2003, 75, 259-270.	0.6	13
36	Functor category dualities for varieties of Heyting algebras. <i>Journal of Pure and Applied Algebra</i> , 2003, 178, 49-71.	0.6	6

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37	The Complexity of Dualisability: Three-Element Unary Algebras. <i>International Journal of Algebra and Computation</i> , 2003, 13, 361-391.	0.5	13
38	Transferring Optimal Dualities: Theory and Practice. <i>Journal of the Australian Mathematical Society</i> , 2003, 74, 393-420.	0.4	4
39	A non-dualisable entropic algebra. <i>Algebra Universalis</i> , 2002, 47, 51-54.	0.3	2
40	Binary homomorphisms and natural dualities. <i>Journal of Pure and Applied Algebra</i> , 2002, 169, 1-28.	0.6	13
41	Dualisability of p -semilattices. <i>Algebra Universalis</i> , 2001, 45, 149-153.	0.3	3
42	The dualisability of a quasi-variety is independent of the generating algebra. <i>Algebra Universalis</i> , 2001, 45, 103-106.	0.3	24
43	From rectangular bands to k -primal algebras. <i>Semigroup Forum</i> , 2001, 64, 29-54.	0.6	5
44	Title is missing!. <i>Algebra Universalis</i> , 2001, 45, 149.	0.3	3
45	Dualizability and graph algebras. <i>Discrete Mathematics</i> , 2000, 214, 145-172.	0.7	22
46	Endoprimal algebras. <i>Algebra Universalis</i> , 1997, 38, 266-288.	0.3	11
47	Optimal natural dualities. II: General theory. <i>Transactions of the American Mathematical Society</i> , 1996, 348, 3673-3711.	0.9	11
48	When is a natural duality ?good??. <i>Algebra Universalis</i> , 1996, 35, 265-295.	0.3	3
49	Optimal natural dualities for varieties of Heyting algebras. <i>Studia Logica</i> , 1996, 56, 67-96.	0.6	15
50	Endoprimal distributive lattices are endodualisable. <i>Algebra Universalis</i> , 1995, 34, 444-453.	0.3	18
51	Near unanimity: an obstacle to general duality theory. <i>Algebra Universalis</i> , 1995, 33, 428-439.	0.3	28
52	The syntax and semantics of entailment in duality theory. <i>Journal of Symbolic Logic</i> , 1995, 60, 1087-1114.	0.5	24
53	Braids and their monotone clones. <i>Algebra Universalis</i> , 1994, 32, 153-176.	0.3	9
54	Partition-induced natural dualities for varieties of pseudo-complemented distributive lattices. <i>Discrete Mathematics</i> , 1993, 113, 41-58.	0.7	9

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55	Duality Theory on Ten Dollars a Day. , 1993, , 71-111.		35
56	Optimal natural dualities. Transactions of the American Mathematical Society, 1993, 338, 655-677.	0.9	28
57	From the subalgebras of the square to the discriminator. Algebra Universalis, 1991, 28, 500-519.	0.3	7
58	Monotone clones and the varieties they determine. Order, 1990, 7, 145-167.	0.5	13
59	Monotone clones and congruence modularity. Order, 1990, 6, 389-400.	0.5	22
60	Do Hospitals with Family-centered Maternity Care Policies Have Lower Intervention Rates?. Birth, 1987, 14, 132-134.	2.2	6
61	Lattices of homomorphisms. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1986, 40, 364-406.	0.3	6
62	Absolute subretracts and weak injectives in congruence modular varieties. Transactions of the American Mathematical Society, 1986, 297, 181-196.	0.9	6
63	Annihilators in modular lattices. Algebra Universalis, 1986, 22, 154-158.	0.3	5
64	Piggyback-Dualität. Bulletin of the Australian Mathematical Society, 1985, 32, 1-32.	0.5	33
65	Tensor products and entropic varieties. Algebra Universalis, 1985, 21, 68-88.	0.3	14
66	Exponents of lattice-ordered algebras. Algebra Universalis, 1982, 14, 87-98.	0.3	14
67	Dualities for Stone algebras, double Stone algebras, and relative Stone algebras. Colloquium Mathematicum, 1982, 46, 1-14.	0.3	23
68	A representation theory for the variety generated by the triangle. Acta Mathematica Hungarica, 1981, 38, 241-255.	0.5	2
69	Distributivity of coproducts over products. Algebra Universalis, 1981, 12, 387-394.	0.3	5
70	The free algebra generated by a distributive lattice. Algebra Universalis, 1980, 11, 90-100.	0.3	14
71	Injectivity and Boolean powers. Mathematische Zeitschrift, 1979, 166, 205-223.	0.9	19
72	Subdirectly irreducible distributive double algebras. Algebra Universalis, 1978, 8, 73-88.	0.3	39

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73	Weak Injectivity and Congruence Extension in Congruence-Distributive Equational Classes. Canadian Journal of Mathematics, 1977, 29, 449-459.	0.6	19
74	An application of Whitman's condition to lattices with no infinite chains. Algebra Universalis, 1977, 7, 171-178.	0.3	17
75	Dualities for equational classes of Brouwerian algebras and Heyting algebras. Transactions of the American Mathematical Society, 1976, 221, 119-119.	0.9	40
76	A characterization of semi-distributivity. Algebra Universalis, 1975, 5, 72-75.	0.3	25
77	Free products of bounded distributive lattices. Algebra Universalis, 1974, 4, 106-107.	0.3	13
78	Some annihilator conditions on distributive lattices. Algebra Universalis, 1974, 4, 316-322.	0.3	21
79	Sheaf spaces and sheaves of universal algebras. Mathematische Zeitschrift, 1973, 134, 275-290.	0.9	49
80	A note on representable posets. Algebra Universalis, 1973, 3, 345-347.	0.3	10
81	?-Stone Lattices. Canadian Journal of Mathematics, 1972, 24, 1027-1032.	0.6	6