

# 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	Sheaf spaces and sheaves of universal algebras. <i>Mathematische Zeitschrift</i> , 1973, 134, 275-290.	0.9	49
2	Dualities for equational classes of Brouwerian algebras and Heyting algebras. <i>Transactions of the American Mathematical Society</i> , 1976, 221, 119-119.	0.9	40
3	Subdirectly irreducible distributive doublep-algebras. <i>Algebra Universalis</i> , 1978, 8, 73-88.	0.3	39
4	Duality Theory on Ten Dollars a Day. , 1993, , 71-111.		35
5	Piggyback-DualitÄten. <i>Bulletin of the Australian Mathematical Society</i> , 1985, 32, 1-32.	0.5	33
6	Near unanimity: an obstacle to general duality theory. <i>Algebra Universalis</i> , 1995, 33, 428-439.	0.3	28
7	Optimal natural dualities. <i>Transactions of the American Mathematical Society</i> , 1993, 338, 655-677.	0.9	28
8	Standard topological algebras: syntactic and principal congruences and profiniteness. <i>Algebra Universalis</i> , 2005, 52, 343-376.	0.3	27
9	A characterization of semi-distributivity. <i>Algebra Universalis</i> , 1975, 5, 72-75.	0.3	25
10	The syntax and semantics of entailment in duality theory. <i>Journal of Symbolic Logic</i> , 1995, 60, 1087-1114.	0.5	24
11	The dualisability of a quasi-variety is independent of the generating algebra. <i>Algebra Universalis</i> , 2001, 45, 103-106.	0.3	24
12	Dualities for Stone algebras, double Stone algebras, and relative Stone algebras. <i>Colloquium Mathematicum</i> , 1982, 46, 1-14.	0.3	23
13	Monotone clones and congruence modularity. <i>Order</i> , 1990, 6, 389-400.	0.5	22
14	Dualizability and graph algebras. <i>Discrete Mathematics</i> , 2000, 214, 145-172.	0.7	22
15	Some annihilator conditions on distributive lattices. <i>Algebra Universalis</i> , 1974, 4, 316-322.	0.3	21
16	The axiomatizability of topological prevarieties. <i>Advances in Mathematics</i> , 2008, 218, 1604-1653.	1.1	21
17	Weak Injectivity and Congruence Extension in Congruence-Distributive Equational Classes. <i>Canadian Journal of Mathematics</i> , 1977, 29, 449-459.	0.6	19
18	Injectivity and Boolean powers. <i>Mathematische Zeitschrift</i> , 1979, 166, 205-223.	0.9	19

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19	Endoprimal distributive lattices are endodualisable. <i>Algebra Universalis</i> , 1995, 34, 444-453.	0.3	18
20	An application of Whitman's condition to lattices with no infinite chains. <i>Algebra Universalis</i> , 1977, 7, 171-178.	0.3	17
21	Optimal natural dualities for varieties of Heyting algebras. <i>Studia Logica</i> , 1996, 56, 67-96.	0.6	15
22	Full does not imply strong, does it?. <i>Algebra Universalis</i> , 2005, 54, 1-22.	0.3	15
23	The free $p$ -algebra generated by a distributive lattice. <i>Algebra Universalis</i> , 1980, 11, 90-100.	0.3	14
24	Exponents of lattice-ordered algebras. <i>Algebra Universalis</i> , 1982, 14, 87-98.	0.3	14
25	Tensor products and entropic varieties. <i>Algebra Universalis</i> , 1985, 21, 68-88.	0.3	14
26	Natural dualities for semilattice-based algebras. <i>Algebra Universalis</i> , 2007, 57, 463-490.	0.3	14
27	Free products of bounded distributive lattices. <i>Algebra Universalis</i> , 1974, 4, 106-107.	0.3	13
28	Monotone clones and the varieties they determine. <i>Order</i> , 1990, 7, 145-167.	0.5	13
29	Binary homomorphisms and natural dualities. <i>Journal of Pure and Applied Algebra</i> , 2002, 169, 1-28.	0.6	13
30	A Coalgebraic View of Heyting Duality. <i>Studia Logica</i> , 2003, 75, 259-270.	0.6	13
31	The Complexity of Dualisability: Three-Element Unary Algebras. <i>International Journal of Algebra and Computation</i> , 2003, 13, 361-391.	0.5	13
32	The product representation theorem for interlaced pre-bilattices: some historical remarks. <i>Algebra Universalis</i> , 2013, 70, 403-409.	0.3	12
33	Optimal natural dualities. II: General theory. <i>Transactions of the American Mathematical Society</i> , 1996, 348, 3673-3711.	0.9	11
34	Endoprimal algebras. <i>Algebra Universalis</i> , 1997, 38, 266-288.	0.3	11
35	Finite degree: algebras in general and semigroups in particular. <i>Semigroup Forum</i> , 2011, 83, 89-110.	0.6	11
36	A note on representable posets. <i>Algebra Universalis</i> , 1973, 3, 345-347.	0.3	10

#	ARTICLE	IF	CITATIONS
37	Structural entailment. <i>Algebra Universalis</i> , 2005, 54, 397-416.	0.3	10
38	Boolean Topological Distributive Lattices and Canonical Extensions. <i>Applied Categorical Structures</i> , 2007, 15, 225-241.	0.5	10
39	Partition-induced natural dualities for varieties of pseudo-complemented distributive lattices. <i>Discrete Mathematics</i> , 1993, 113, 41-58.	0.7	9
40	Braids and their monotone clones. <i>Algebra Universalis</i> , 1994, 32, 153-176.	0.3	9
41	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
42	Natural extensions and profinite completions of algebras. <i>Algebra Universalis</i> , 2011, 66, 205-241.	0.3	9
43	From the subalgebras of the square to the discriminator. <i>Algebra Universalis</i> , 1991, 28, 500-519.	0.3	7
44	Dual categories for endodualisable Heyting algebras: optimization and axiomatization. <i>Algebra Universalis</i> , 2005, 53, 331-355.	0.3	7
45	Dualisability versus residual character: A theorem and a counterexample. <i>Journal of Pure and Applied Algebra</i> , 2007, 210, 423-435.	0.6	7
46	Flat unars: the primal, the semi-primal and the dualisable. <i>Algebra Universalis</i> , 2010, 63, 303-329.	0.3	7
47	THE LATTICE OF ALTER EGOS. <i>International Journal of Algebra and Computation</i> , 2012, 22, 1250007.	0.5	7
48	Natural Dualities in Partnership. <i>Applied Categorical Structures</i> , 2012, 20, 583-602.	0.5	7
49	?-Stone Lattices. <i>Canadian Journal of Mathematics</i> , 1972, 24, 1027-1032.	0.6	6
50	Lattices of homomorphisms. <i>Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics</i> , 1986, 40, 364-406.	0.3	6
51	Absolute subretracts and weak injectives in congruence modular varieties. <i>Transactions of the American Mathematical Society</i> , 1986, 297, 181-196.	0.9	6
52	Do Hospitals with Family-centered Maternity Care Policies Have Lower Intervention Rates?. <i>Birth</i> , 1987, 14, 132-134.	2.2	6
53	Functor category dualities for varieties of Heyting algebras. <i>Journal of Pure and Applied Algebra</i> , 2003, 178, 49-71.	0.6	6
54	Canonical Extensions and Discrete Dualities for Finitely Generated Varieties of Lattice-based Algebras. <i>Studia Logica</i> , 2012, 100, 137-161.	0.6	6

#	ARTICLE	IF	CITATIONS
55	Dualisability in general and endodualisability in particular. , 2017, , 437-455.		6
56	Distributivity of coproducts over products. Algebra Universalis, 1981, 12, 387-394.	0.3	5
57	Annihilators in modular lattices. Algebra Universalis, 1986, 22, 154-158.	0.3	5
58	From rectangular bands to $k$ -primal algebras. Semigroup Forum, 2001, 64, 29-54.	0.6	5
59	Not every full duality is strong!. Algebra Universalis, 2007, 57, 375-381.	0.3	5
60	Transferring Optimal Dualities: Theory and Practice. Journal of the Australian Mathematical Society, 2003, 74, 393-420.	0.4	4
61	Applications of Priestley duality in transferring optimal dualities. Studia Logica, 2004, 78, 213-236.	0.6	4
62	Full but not strong dualities at the finite level: Extending the realm. Algebra Universalis, 2007, 56, 37-56.	0.3	4
63	Using coloured ordered sets to study finite-level full dualities. Algebra Universalis, 2010, 64, 69-100.	0.3	4
64	COUNTING THE RELATIONS COMPATIBLE WITH AN ALGEBRA. International Journal of Algebra and Computation, 2010, 20, 901-922.	0.5	4
65	A topological approach to canonical extensions in finitely generated varieties of lattice-based algebras. Topology and Its Applications, 2011, 158, 1724-1731.	0.4	4
66	Dualizability of automatic algebras. Journal of Pure and Applied Algebra, 2014, 218, 1324-1345.	0.6	4
67	The Homomorphism Lattice Induced by a Finite Algebra. Order, 2018, 35, 193-214.	0.5	4
68	When is a natural duality ?good??. Algebra Universalis, 1996, 35, 265-295.	0.3	3
69	Dualisability of $p$ -semilattices. Algebra Universalis, 2001, 45, 149-153.	0.3	3
70	Multisorted dualisability: change of base. Algebra Universalis, 2011, 66, 331-336.	0.3	3
71	Full dualisability is independent of the generating algebra. Algebra Universalis, 2012, 67, 257-272.	0.3	3
72	Piggyback dualities revisited. Algebra Universalis, 2016, 76, 245-285.	0.3	3

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73	Restricted Priestley Dualities and Discriminator Varieties. <i>Studia Logica</i> , 2017, 105, 843-872.	0.6	3
74	Title is missing!. <i>Algebra Universalis</i> , 2001, 45, 149.	0.3	3
75	A representation theory for the variety generated by the triangle. <i>Acta Mathematica Hungarica</i> , 1981, 38, 241-255.	0.5	2
76	A non-dualisable entropic algebra. <i>Algebra Universalis</i> , 2002, 47, 51-54.	0.3	2
77	Counting relations on Ockham algebras. <i>Algebra Universalis</i> , 2015, 74, 35-63.	0.3	2
78	Bohr Compactifications of Algebras and Structures. <i>Applied Categorical Structures</i> , 2017, 25, 403-430.	0.5	2
79	Expanding Belnap: dualities for a new class of default bilattices. <i>Algebra Universalis</i> , 2020, 81, 1.	0.3	1
80	New-from-old full dualities via axiomatisation. <i>Annals of Pure and Applied Logic</i> , 2018, 169, 588-615.	0.5	0
81	Splittings in varieties of logic. <i>International Journal of Algebra and Computation</i> , 2021, 31, 727-774.	0.5	0