

Matej Bresar

List of Publications by Year in descending order

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105
papers

2,647
citations

257450

24
h-index

206112

48
g-index

111
all docs

111
docs citations

111
times ranked

327
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-sided zero product determined algebras. <i>Linear Algebra and Its Applications</i> , 2022, 643, 125-136.	0.9	1
2	Automorphisms and derivations of finite-dimensional algebras. <i>Journal of Algebra</i> , 2022, 599, 104-121.	0.7	4
3	Zero Product Determined Rings and Algebras. <i>Frontiers in Mathematics</i> , 2021, , 17-32.	0.3	0
4	Zero Product Determined Nonassociative Algebras. <i>Frontiers in Mathematics</i> , 2021, , 3-16.	0.3	0
5	Zero Product Determined Algebras. <i>Frontiers in Mathematics</i> , 2021, , .	0.3	11
6	Homomorphisms and Related Maps. <i>Frontiers in Mathematics</i> , 2021, , 113-137.	0.3	0
7	Zero Product Determined Nonassociative Banach Algebras. <i>Frontiers in Mathematics</i> , 2021, , 61-73.	0.3	0
8	Zero Product Determined Banach Algebras. <i>Frontiers in Mathematics</i> , 2021, , 75-93.	0.3	0
9	Zero Lie/Jordan Product Determined Banach Algebras. <i>Frontiers in Mathematics</i> , 2021, , 95-109.	0.3	0
10	Derivations and Related Maps. <i>Frontiers in Mathematics</i> , 2021, , 139-156.	0.3	0
11	Functional Identities and Zero Lie Product Determined Banach Algebras. <i>Quarterly Journal of Mathematics</i> , 2020, 71, 649-665.	0.8	4
12	Commutators and images of noncommutative polynomials. <i>Advances in Mathematics</i> , 2020, 374, 107346.	1.1	17
13	On, around, and beyond Frobenius' theorem on division algebras. <i>Linear and Multilinear Algebra</i> , 2020, , 1-13.	1.0	0
14	Zero product determined Lie algebras. <i>European Journal of Mathematics</i> , 2019, 5, 424-453.	0.5	2
15	Centrally stable algebras. <i>Journal of Algebra</i> , 2019, 537, 79-97.	0.7	3
16	Continuous commuting functions on matrix algebras. <i>Linear Algebra and Its Applications</i> , 2019, 568, 29-38.	0.9	3
17	Skolem's "Noether algebras. <i>Journal of Algebra</i> , 2018, 498, 294-314.	0.7	2
18	Derivations of tensor products of nonassociative algebras. <i>Linear Algebra and Its Applications</i> , 2017, 530, 244-252.	0.9	4

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19	Functional Identities and Rings of Quotients. <i>Algebras and Representation Theory</i> , 2016, 19, 1437-1450.	0.7	2
20	Functional identities on tensor products of algebras. <i>Journal of Algebra</i> , 2016, 455, 108-136.	0.7	3
21	Jordan $\{g, h\}$ -derivations on tensor products of algebras. <i>Linear and Multilinear Algebra</i> , 2016, 64, 2199-2207.	1.0	8
22	Finite dimensional zero product determined algebras are generated by idempotents. , 2016, 34, 130-143.		10
23	Functional Identities on Matrix Algebras. <i>Algebras and Representation Theory</i> , 2015, 18, 1337-1356.	0.7	1
24	Quasi-identities on matrices and the Cayley-Hamilton polynomial. <i>Advances in Mathematics</i> , 2015, 280, 439-471.	1.1	13
25	Algebras in which non-scalar elements have small centralizers. <i>Linear and Multilinear Algebra</i> , 2015, 63, 1864-1871.	1.0	0
26	Introduction to Noncommutative Algebra. Universitext, 2014, , .	0.2	49
27	Functional identities in one variable. <i>Journal of Algebra</i> , 2014, 401, 234-244.	0.7	11
28	A local-global principle for linear dependence of noncommutative polynomials. <i>Israel Journal of Mathematics</i> , 2013, 193, 71-82.	0.8	8
29	Central polynomials for matrices over finite fields. <i>Linear and Multilinear Algebra</i> , 2013, 61, 939-944.	1.0	1
30	On Maps Determined by Zero Products. <i>Communications in Algebra</i> , 2012, 40, 2081-2090.	0.6	2
31	GROUP GRADINGS ON FINITARY SIMPLE LIE ALGEBRAS. <i>International Journal of Algebra and Computation</i> , 2012, 22, 1250046.	0.5	5
32	Multiplication algebra and maps determined by zero products. <i>Linear and Multilinear Algebra</i> , 2012, 60, 763-768.	1.0	25
33	Identifying Derivations Through the Spectra of Their Values. <i>Integral Equations and Operator Theory</i> , 2012, 73, 395-411.	0.8	5
34	Lie Superautomorphisms on Associative Algebras, II. <i>Algebras and Representation Theory</i> , 2012, 15, 507-525.	0.7	3
35	On Lie and associative algebras containing inner derivations. <i>Linear Algebra and Its Applications</i> , 2012, 437, 648-658.	0.9	2
36	Determining elements in Banach algebras through spectral properties. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 393, 144-150.	1.0	15

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37	Jordan Gradings on Associative Algebras. <i>Algebras and Representation Theory</i> , 2011, 14, 113-129.	0.7	6
38	An alternative approach to the structure theory of PI-rings. , 2011, 29, 159-164.		3
39	On locally complex algebras and low-dimensional Cayleyâ€Dickson algebras. <i>Journal of Algebra</i> , 2011, 327, 107-125.	0.7	7
40	A note on values of noncommutative polynomials. <i>Proceedings of the American Mathematical Society</i> , 2010, 138, 2375-2379.	0.8	9
41	On a class of finitary Lie algebras characterized through derivations. <i>Proceedings of the American Mathematical Society</i> , 2010, 138, 4161-4161.	0.8	0
42	On Tractability and Ideal Problem in Non-Associative Operator Algebras. <i>Integral Equations and Operator Theory</i> , 2010, 67, 279-300.	0.8	1
43	An elementary approach to Wedderburn's structure theory. , 2010, 28, 79-83.		1
44	Computing the maximal algebra of quotients of a Lie algebra. <i>Forum Mathematicum</i> , 2009, 21, .	0.7	7
45	Lie gradings on associative algebras. <i>Journal of Algebra</i> , 2009, 321, 264-283.	0.7	17
46	Zero product determined matrix algebras. <i>Linear Algebra and Its Applications</i> , 2009, 430, 1486-1498.	0.9	41
47	Range-Inclusive Maps in Rings with Idempotents. <i>Communications in Algebra</i> , 2009, 37, 154-163.	0.6	6
48	Lie superautomorphisms on associative algebras. <i>Proceedings of the American Mathematical Society</i> , 2009, 138, 417-425.	0.8	7
49	Values of Noncommutative Polynomials, Lie Skew-Ideals and Tracial Nullstellensätze. <i>Mathematical Research Letters</i> , 2009, 16, 605-626.	0.5	20
50	Polynomially compact derivations on Banach algebras. <i>Studia Mathematica</i> , 2009, 190, 185-191.	0.7	0
51	Near-derivations in Lie algebras. <i>Journal of Algebra</i> , 2008, 320, 3765-3772.	0.7	12
52	An extension of the Gleasonâ€Kahaneâ€Å»elazko theorem: A possible approach to Kaplansky's problem. , 2008, 26, 269-277.		7
53	Lie ideals: from pure algebra to C*-algebras. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2008, .	0.9	9
54	Jordan homomorphisms revisited. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2008, 144, 317-328.	0.4	7

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55	Characterizing homomorphisms, derivations and multipliers in rings with idempotents. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2007, 137, 9-21.	1.2	101
56	Commutativity preserving maps revisited. Israel Journal of Mathematics, 2007, 162, 317-334.	0.8	12
57	Functional Identities. Frontiers in Mathematics, 2007, , .	0.3	162
58	Compactness conditions for elementary operators. Studia Mathematica, 2007, 178, 1-18.	0.7	4
59	On bilinear maps on matrices with applications to commutativity preservers. Journal of Algebra, 2006, 301, 803-837.	0.7	44
60	Commutativity preserving linear maps on central simple algebras. Journal of Algebra, 2005, 284, 102-110.	0.7	24
61	Jordan Ideals Revisited. Monatshefte Fur Mathematik, 2005, 145, 1-10.	0.9	11
62	Jordan derivations revisited. Mathematical Proceedings of the Cambridge Philosophical Society, 2005, 139, 411.	0.4	39
63	ELEMENTARY OPERATORS AS LIE HOMOMORPHISMS OR COMMUTATIVITY PRESERVERS. Proceedings of the Edinburgh Mathematical Society, 2005, 48, 37-49.	0.3	3
64	On commutators and derivations in rings. Journal of Algebra, 2004, 278, 704-724.	0.7	2
65	OND-FREE RINGS. Communications in Algebra, 2003, 31, 2287-2309.	0.6	2
66	A note on invertibility preservers on Banach algebras. Proceedings of the American Mathematical Society, 2003, 131, 3833-3837.	0.8	16
67	The Lower Socle and Finite Rank Elementary Operators. Communications in Algebra, 2003, 31, 1485-1497.	0.6	7
68	Extended Jacobson density theorem for rings with derivations and automorphisms. Israel Journal of Mathematics, 2001, 122, 317-346.	0.8	44
69	A Kleinecke-Shirokov type condition with Jordan automorphisms. Studia Mathematica, 2001, 147, 237-242.	0.7	8
70	Generalized Functional Identities with (Anti-)Automorphisms and Derivations on Prime Rings, I. Journal of Algebra, 1999, 215, 644-665.	0.7	24
71	On derivations of prime rings $\langle \sup \rangle$. Communications in Algebra, 1999, 27, 3129-3135.	0.6	14
72	On locally linearly dependent operators and derivations. Transactions of the American Mathematical Society, 1999, 351, 1257-1275.	0.9	57

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73	Derivations mapping into the socle, II. Proceedings of the American Mathematical Society, 1998, 126, 181-187.	0.8	10
74	On a certain functional identity in prime rings*. Communications in Algebra, 1998, 26, 3765-3781.	0.6	12
75	Maps preserving n -th powers 1 . Communications in Algebra, 1998, 26, 117-138.	0.6	16
76	Dependent Automorphisms in Prime Rings. Canadian Mathematical Bulletin, 1998, 41, 452-462.	0.5	0
77	On certain pairs of automorphisms of rings, II. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1998, 64, 162-168.	0.3	0
78	Invertibility preserving maps preserve idempotents.. Michigan Mathematical Journal, 1998, 45, 483.	0.4	26
79	Derivations mapping into the socle. Mathematical Proceedings of the Cambridge Philosophical Society, 1996, 120, 339-346.	0.4	16
80	On a certain identity satisfied by a derivation and an arbitrary additive mapping II. Aequationes Mathematicae, 1996, 51, 83-85.	0.8	5
81	Linear Maps Preserving the Spectral Radius. Journal of Functional Analysis, 1996, 142, 360-368.	1.4	68
82	Spectral characterizations of central elements in Banach algebras. Studia Mathematica, 1996, 120, 47-52.	0.7	2
83	On additive maps of prime rings. Bulletin of the Australian Mathematical Society, 1995, 51, 377-381.	0.5	27
84	Commuting maps on lie ideals. Communications in Algebra, 1995, 23, 5539-5553.	0.6	33
85	Normal-Preserving Linear Mappings. Canadian Mathematical Bulletin, 1994, 37, 306-309.	0.5	18
86	One-sided ideals and derivations of prime rings. Proceedings of the American Mathematical Society, 1994, 122, 979-983.	0.8	19
87	Derivations of noncommutative Banach algebras II. Archiv Der Mathematik, 1994, 63, 56-59.	0.5	27
88	On certain pairs of functions of semiprime rings. Proceedings of the American Mathematical Society, 1994, 120, 709-713.	0.8	43
89	Derivations decreasing the spectral radius. Archiv Der Mathematik, 1993, 61, 160-162.	0.5	13
90	Commuting traces of biadditive mappings, commutativity-preserving mappings and Lie mappings. Transactions of the American Mathematical Society, 1993, 335, 525-546.	0.9	223

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91	Commuting Traces of Biadditive Mappings, Commutativity-Preserving Mappings and Lie Mappings. Transactions of the American Mathematical Society, 1993, 335, 525.	0.9	203
92	On skew-commuting mappings of rings. Bulletin of the Australian Mathematical Society, 1993, 47, 291-296.	0.5	40
93	Linear transformations preserving potent matrices. Proceedings of the American Mathematical Society, 1993, 119, 81-86.	0.8	22
94	Commutativity Preserving Mappings of Von Neumann Algebras. Canadian Journal of Mathematics, 1993, 45, 695-708.	0.6	38
95	Mappings which Preserve Idempotents, Local Automorphisms, and Local Derivations. Canadian Journal of Mathematics, 1993, 45, 483-496.	0.6	110
96	On certain pairs of automorphisms of rings. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1993, 54, 29-38.	0.3	1
97	On a generalization of the notion of centralizing mappings. Proceedings of the American Mathematical Society, 1992, 114, 641-649.	0.8	43
98	Characterizations of derivations on some normed algebras with involution. Journal of Algebra, 1992, 152, 454-462.	0.7	58
99	Jordan mappings of semiprime rings II. Bulletin of the Australian Mathematical Society, 1991, 44, 233-238.	0.5	17
100	Centralizing mappings on von Neumann algebras. Proceedings of the American Mathematical Society, 1991, 111, 501-510.	0.8	39
101	Centralizing Mappings on von Neumann Algebras. Proceedings of the American Mathematical Society, 1991, 111, 501.	0.8	8
102	On the distance of the composition of two derivations to the generalized derivations. Glasgow Mathematical Journal, 1991, 33, 89-93.	0.3	285
103	Semiderivations of prime rings. Proceedings of the American Mathematical Society, 1990, 108, 859-860.	0.8	15
104	Semiderivations of Prime Rings. Proceedings of the American Mathematical Society, 1990, 108, 859.	0.8	2
105	Jordan mappings of semiprime rings. Journal of Algebra, 1989, 127, 218-228.	0.7	182