Matej Bresar

List of Publications by Year
in descending order

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	On the distance of the composition of two derivations to the generalized derivations. Glasgow Mathematical Journal, 1991, 33, 89-93.	0.3	285
2	Commuting traces of biadditive mappings, commutativity-preserving mappings and Lie mappings. Transactions of the American Mathematical Society, 1993, 335, 525-546.	0.9	223
3	Commuting Traces of Biadditive Mappings, Commutativity-Preserving Mappings and Lie Mappings. Transactions of the American Mathematical Society, 1993, 335, 525.	0.9	203
4	Jordan mappings of semiprime rings. Journal of Algebra, 1989, 127, 218-228.	0.7	182
5	Functional Identities. Frontiers in Mathematics, 2007, , .	0.3	162
6	Mappings which Preserve Idempotents, Local Automorphisms, and Local Derivations. Canadian Journal of Mathematics, 1993, 45, 483-496.	0.6	110
7	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
8	Linear Maps Preserving the Spectral Radius. Journal of Functional Analysis, 1996, 142, 360-368.	1.4	68
9	Characterizations of derivations on some normed algebras with involution. Journal of Algebra, 1992, 152, 454-462.	0.7	58
10	On locally linearly dependent operators and derivations. Transactions of the American Mathematical Society, 1999, 351, 1257-1275.	0.9	57
11	Introduction to Noncommutative Algebra. Universitext, 2014, , .	0.2	49
12	Extended Jacobson density theorem for rings with derivations and automorphisms. Israel Journal of Mathematics, 2001, 122, 317-346.	0.8	44
13	On bilinear maps on matrices with applications to commutativity preservers. Journal of Algebra, 2006, 301, 803-837.	0.7	44
14	On a generalization of the notion of centralizing mappings. Proceedings of the American Mathematical Society, 1992, 114, 641-649.	0.8	43
15	On certain pairs of functions of semiprime rings. Proceedings of the American Mathematical Society, 1994, 120, 709-713.	0.8	43
16	Zero product determined matrix algebras. Linear Algebra and Its Applications, 2009, 430, 1486-1498.	0.9	41
17	On skew-commuting mappings of rings. Bulletin of the Australian Mathematical Society, 1993, 47, 291-296.	0.5	40
18	Centralizing mappings on von Neumann algebras. Proceedings of the American Mathematical Society, 1991, 111, 501-510.	0.8	39

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19	Jordan derivations revisited. Mathematical Proceedings of the Cambridge Philosophical Society, 2005, 139, 411.	0.4	39
20	Commutativity Preserving Mappings of Von Neumann Algebras. Canadian Journal of Mathematics, 1993, 45, 695-708.	0.6	38
21	Commuting maps on lie ideals. Communications in Algebra, 1995, 23, 5539-5553.	0.6	33
22	Derivations of noncommutative Banach algebras II. Archiv Der Mathematik, 1994, 63, 56-59.	0.5	27
23	On additive maps of prime rings. Bulletin of the Australian Mathematical Society, 1995, 51, 377-381.	0.5	27
24	Invertibility preserving maps preserve idempotents.. Michigan Mathematical Journal, 1998, 45, 483.	0.4	26
25	Multiplication algebra and maps determined by zero products. Linear and Multilinear Algebra, 2012, 60, 763-768.	1.0	25
26	Generalized Functional Identities with (Anti-)Automorphisms and Derivations on Prime Rings, I. Journal of Algebra, 1999, 215, 644-665.	0.7	24
27	Commutativity preserving linear maps on central simple algebras. Journal of Algebra, 2005, 284, 102-110.	0.7	24
28	Linear transformations preserving potent matrices. Proceedings of the American Mathematical Society, 1993, 119, 81-86.	0.8	22
29	Values of Noncommutative Polynomials, Lie Skew-Ideals and Tracial Nullstellensätze. Mathematical Research Letters, 2009, 16, 605-626.	0.5	20
30	One-sided ideals and derivations of prime rings. Proceedings of the American Mathematical Society, 1994, 122, 979-983.	0.8	19
31	Normal-Preserving Linear Mappings. Canadian Mathematical Bulletin, 1994, 37, 306-309.	0.5	18
32	Jordan mappings of semiprime rings II. Bulletin of the Australian Mathematical Society, 1991, 44, 233-238.	0.5	17
33	Lie gradings on associative algebras. Journal of Algebra, 2009, 321, 264-283.	0.7	17
34	Commutators and images of noncommutative polynomials. Advances in Mathematics, 2020, 374, 107346.	1.1	17
35	Derivations mapping into the socle. Mathematical Proceedings of the Cambridge Philosophical Society, 1996, 120, 339-346.	0.4	16
36	Maps preserving nth powers^1. Communications in Algebra, 1998, 26, 117-138.	0.6	16

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37	A note on invertibility preservers on Banach algebras. Proceedings of the American Mathematical Society, 2003, 131, 3833-3837.	0.8	16
38	Semiderivations of prime rings. Proceedings of the American Mathematical Society, 1990, 108, 859-860.	0.8	15
39	Determining elements in Banach algebras through spectral properties. Journal of Mathematical Analysis and Applications, 2012, 393, 144-150.	1.0	15
40	On derivations of prime rings*. Communications in Algebra, 1999, 27, 3129-3135.	0.6	14
41	Derivations decreasing the spectral radius. Archiv Der Mathematik, 1993, 61, 160-162.	0.5	13
42	Quasi-identities on matrices and the Cayley–Hamilton polynomial. Advances in Mathematics, 2015, 280, 439-471.	1.1	13
43	On a certain functional identity in prime rings*. Communications in Algebra, 1998, 26, 3765-3781.	0.6	12
44	Commutativity preserving maps revisited. Israel Journal of Mathematics, 2007, 162, 317-334.	0.8	12
45	Near-derivations in Lie algebras. Journal of Algebra, 2008, 320, 3765-3772.	0.7	12
46	Jordan Ideals Revisited. Monatshefte Fur Mathematik, 2005, 145, 1-10.	0.9	11
47	Functional identities in one variable. Journal of Algebra, 2014, 401, 234-244.	0.7	11
48	Zero Product Determined Algebras. Frontiers in Mathematics, 2021, , .	0.3	11
49	Derivations mapping into the socle, II. Proceedings of the American Mathematical Society, 1998, 126, 181-187.	0.8	10
50	Finite dimensional zero product determined algebras are generated by idempotents. , 2016, 34, 130-143.		10
51	Lie ideals: from pure algebra to C*-algebras. Journal Fur Die Reine Und Angewandte Mathematik, 2008, 2008, .	0.9	9
52	A note on values of noncommutative polynomials. Proceedings of the American Mathematical Society, 2010, 138, 2375-2379.	0.8	9
53	Centralizing Mappings on von Neumann Algebras. Proceedings of the American Mathematical Society, 1991, 111, 501.	0.8	8
54	A local-global principle for linear dependence of noncommutative polynomials. Israel Journal of Mathematics, 2013, 193, 71-82.	0.8	8

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55	Jordan {<i>g</i>,<i>h</i>}-derivations on tensor products of algebras. Linear and Multilinear Algebra, 2016, 64, 2199-2207.	1.0	8
56	A Kleineckeâ€"Shirokov type condition with Jordan automorphisms. Studia Mathematica, 2001, 147, 237-242.	0.7	8
57	The Lower Socle and Finite Rank Elementary Operators. Communications in Algebra, 2003, 31, 1485-1497.	0.6	7
58	An extension of the Gleasonâ€"Kahaneâ€"Å»elazko theorem: A possible approach to Kaplansky's problem. , 2008, 26, 269-277.		7
59	Jordan homomorphisms revisited. Mathematical Proceedings of the Cambridge Philosophical Society, 2008, 144, 317-328.	0.4	7
60	Computing the maximal algebra of quotients of a Lie algebra. Forum Mathematicum, 2009, 21, .	0.7	7
61	Lie superautomorphisms on associative algebras. Proceedings of the American Mathematical Society, 2009, 138, 417-425.	0.8	7
62	On locally complex algebras and low-dimensional Cayleyâ€"Dickson algebras. Journal of Algebra, 2011, 327, 107-125.	0.7	7
63	Range-Inclusive Maps in Rings with Idempotents. Communications in Algebra, 2009, 37, 154-163.	0.6	6
64	Jordan Gradings on Associative Algebras. Algebras and Representation Theory, 2011, 14, 113-129.	0.7	6
65	On a certain identity satisfied by a derivation and an arbitrary additive mapping II. Aequationes Mathematicae, 1996, 51, 83-85.	0.8	5
66	GROUP GRADINGS ON FINITARY SIMPLE LIE ALGEBRAS. International Journal of Algebra and Computation, 2012, 22, 1250046.	0.5	5
67	Identifying Derivations Through the Spectra of Their Values. Integral Equations and Operator Theory, 2012, 73, 395-411.	0.8	5
68	Derivations of tensor products of nonassociative algebras. Linear Algebra and Its Applications, 2017, 530, 244-252.	0.9	4
69	Functional Identities and Zero Lie Product Determined Banach Algebras. Quarterly Journal of Mathematics, 2020, 71, 649-665.	0.8	4
70	Compactness conditions for elementary operators. Studia Mathematica, 2007, 178, 1-18.	0.7	4
71	Automorphisms and derivations of finite-dimensional algebras. Journal of Algebra, 2022, 599, 104-121.	0.7	4
72	ELEMENTARY OPERATORS AS LIE HOMOMORPHISMS OR COMMUTATIVITY PRESERVERS. Proceedings of the Edinburgh Mathematical Society, 2005, 48, 37-49.	0.3	3

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73	An alternative approach to the structure theory of PI-rings. , 2011, 29, 159-164.		3
74	Lie Superautomorphisms on Associative Algebras, II. Algebras and Representation Theory, 2012, 15, 507-525.	0.7	3
75	Functional identities on tensor products of algebras. Journal of Algebra, 2016, 455, 108-136.	0.7	3
76	Centrally stable algebras. Journal of Algebra, 2019, 537, 79-97.	0.7	3
77	Continuous commuting functions on matrix algebras. Linear Algebra and Its Applications, 2019, 568, 29-38.	0.9	3
78	Semiderivations of Prime Rings. Proceedings of the American Mathematical Society, 1990, 108, 859.	0.8	2
79	Ond-Free Rings. Communications in Algebra, 2003, 31, 2287-2309.	0.6	2
80	On commutators and derivations in rings. Journal of Algebra, 2004, 278, 704-724.	0.7	2
81	On Maps Determined by Zero Products. Communications in Algebra, 2012, 40, 2081-2090.	0.6	2
82	On Lie and associative algebras containing inner derivations. Linear Algebra and Its Applications, 2012, 437, 648-658.	0.9	2
83	Functional Identities and Rings of Quotients. Algebras and Representation Theory, 2016, 19, 1437-1450.	0.7	2
84	Skolemâ€"Noether algebras. Journal of Algebra, 2018, 498, 294-314.	0.7	2
85	Zero product determined Lie algebras. European Journal of Mathematics, 2019, 5, 424-453.	0.5	2
86	Spectral characterizations of central elements in Banach algebras. Studia Mathematica, 1996, 120, 47-52.	0.7	2
87	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
88	On Tractability and Ideal Problem in Non-Associative Operator Algebras. Integral Equations and Operator Theory, 2010, 67, 279-300.	0.8	1
89	An elementary approach to Wedderburn's structure theory. , 2010, 28, 79-83.		1
90	Central polynomials for matrices over finite fields. Linear and Multilinear Algebra, 2013, 61, 939-944.	1.0	1

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91	Functional Identities on Matrix Algebras. Algebras and Representation Theory, 2015, 18, 1337-1356.	0.7	1
92	Two-sided zero product determined algebras. Linear Algebra and Its Applications, 2022, 643, 125-136.	0.9	1
93	Dependent Automorphisms in Prime Rings. Canadian Mathematical Bulletin, 1998, 41, 452-462.	0.5	0
94	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
95	On a class of finitary Lie algebras characterized through derivations. Proceedings of the American Mathematical Society, 2010, 138, 4161-4161.	0.8	0
96	Algebras in which non-scalar elements have small centralizers. Linear and Multilinear Algebra, 2015, 63, 1864-1871.	1.0	0
97	On, around, and beyond Frobenius' theorem on division algebras. Linear and Multilinear Algebra, 2020, , 1-13.	1.0	0
98	Zero Product Determined Rings and Algebras. Frontiers in Mathematics, 2021, , 17-32.	0.3	0
99	Zero Product Determined Nonassociative Algebras. Frontiers in Mathematics, 2021, , 3-16.	0.3	0
100	Homomorphisms and Related Maps. Frontiers in Mathematics, 2021, , 113-137.	0.3	0
101	Zero Product Determined Nonassociative Banach Algebras. Frontiers in Mathematics, 2021, , 61-73.	0.3	0
102	Zero Product Determined Banach Algebras. Frontiers in Mathematics, 2021, , 75-93.	0.3	0
103	Zero Lie/Jordan Product Determined Banach Algebras. Frontiers in Mathematics, 2021, , 95-109.	0.3	0
104	Derivations and Related Maps. Frontiers in Mathematics, 2021, , 139-156.	0.3	0
105	Polynomially compact derivations on Banach algebras. Studia Mathematica, 2009, 190, 185-191.	0.7	0