

Plamen Koshlukov

List of Publications by Year in descending order

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49
papers

507
citations

687363

13
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752698

20
g-index

50
all docs

50
docs citations

50
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Gradings on the algebra of upper triangular matrices and their graded identities. Journal of Algebra, 2004, 275, 550-566.	0.7	48
2	On the identities of the Grassmann algebras in characteristic $p > 0$. Israel Journal of Mathematics, 2001, 122, 305-316.	0.8	39
3	Basis of the Identities of the Matrix Algebra of Order Two over a Field of Characteristic $p \neq 2$. Journal of Algebra, 2001, 241, 410-434.	0.7	39
4	Involutions for upper triangular matrix algebras. Advances in Applied Mathematics, 2006, 37, 541-568.	0.7	34
5	Graded identities for T -prime algebras over fields of positive characteristic. Israel Journal of Mathematics, 2002, 128, 157-176.	0.8	30
6	Polynomial identities for a family of simple Jordan algebras. Communications in Algebra, 1988, 16, 1325-1371.	0.6	20
7	Central polynomials in the matrix algebra of order two. Linear Algebra and Its Applications, 2004, 377, 53-67.	0.9	19
8	Tensor product theorems in positive characteristic. Journal of Algebra, 2004, 276, 836-845.	0.7	19
9	GRADED POLYNOMIAL IDENTITIES FOR THE LIE ALGEBRA $sl_2(K)$. International Journal of Algebra and Computation, 2008, 18, 825-836.	0.5	19
10	Identities and isomorphisms of graded simple algebras. Linear Algebra and Its Applications, 2010, 432, 3141-3148.	0.9	19
11	Polynomial identities for the Jordan algebra of upper triangular matrices of order 2. Journal of Pure and Applied Algebra, 2012, 216, 2524-2532.	0.6	19
12	GRADED IDENTITIES FOR THE ALGEBRA OF $n \times n$ UPPER TRIANGULAR MATRICES OVER AN INFINITE FIELD. International Journal of Algebra and Computation, 2003, 13, 517-526.	0.5	15
13	GRADED IDENTITIES AND PI EQUIVALENCE OF ALGEBRAS IN POSITIVE CHARACTERISTIC. Communications in Algebra, 2005, 33, 1011-1022.	0.6	15
14	The central polynomials for the Grassmann algebra. Israel Journal of Mathematics, 2010, 179, 127-144.	0.8	14
15	Graded algebras with polynomial growth of their codimensions. Journal of Algebra, 2015, 434, 115-137.	0.7	14
16	Polynomial identities of algebras in positive characteristic. Journal of Algebra, 2006, 305, 1149-1165.	0.7	12
17	Weak Polynomial Identities for the Matrix Algebra of Order Two. Journal of Algebra, 1997, 188, 610-625.	0.7	10
18	Finitely based ideals of weak polynomial identities. Communications in Algebra, 1998, 26, 3335-3359.	0.6	10

#	ARTICLE	IF	CITATIONS
19	Graded identities of the Lie algebra Z . Journal of Algebra, 2015, 427, 226-251.	0.7	10
20	Group gradings on the Lie algebra of upper triangular matrices. Journal of Algebra, 2017, 477, 294-311.	0.7	9
21	Central polynomials for the matrix algebra of order two. Monatshefte Fur Mathematik, 2009, 157, 247-256.	0.6	8
22	Graded central polynomials for the matrix algebra of order two. Monatshefte Fur Mathematik, 2009, 157, 247-256.	0.9	7
23	2-Graded polynomial identities for the Jordan algebra of the symmetric matrices of order two. Journal of Algebra, 2011, 327, 236-250.	0.7	7
24	Group gradings on the Jordan algebra of upper triangular matrices. Linear Algebra and Its Applications, 2017, 534, 1-12.	0.9	7
25	On \hat{a}_n -graded identities and cocharacters of the Grassmann algebra. Communications in Algebra, 2017, 45, 343-356.	0.6	7
26	Identities with involution for the matrix algebra of order two in characteristic p . Israel Journal of Mathematics, 2005, 146, 337-355.	0.8	6
27	Elementary gradings on the Lie algebra $U \ltimes T$. Journal of Algebra, 2005, 291, 66-79.	0.7	6
28	Ideals of identities of representations of nilpotent lie algebras. Communications in Algebra, 2000, 28, 3095-3113.	0.6	5
29	On the \hat{a}_n -polynomial identities of the Grassmann algebra. Journal of Pure and Applied Algebra, 2011, 215, 262-275.	0.6	4
30	\hat{a}_n -graded identities of the Lie algebras in characteristic 2. Mathematical Proceedings of the Cambridge Philosophical Society, 2023, 174, 49-58.	0.4	4
31	Graded Central Polynomials for T-Prime Algebras. Communications in Algebra, 2009, 37, 2008-2020.	0.6	3
32	Graded A-identities for the matrix algebra of order two. International Journal of Algebra and Computation, 2016, 26, 1617-1631.	0.5	3
33	\hat{a}_n , 2 and \hat{a}_n -graded central polynomials of the Grassmann algebra. International Journal of Algebra and Computation, 2020, 30, 1035-1056.	0.5	3
34	Z -graded polynomial identities of the Grassmann algebra. Linear Algebra and Its Applications, 2021, 617, 190-214.	0.9	3
35	Polynomial identities for the Jordan algebra of 2×2 upper triangular matrices. Journal of Algebra, 2022, 593, 477-506.	0.7	3
36	A Basis for the Graded Identities of the Matrix Algebra of Order Two over a Finite Field of Characteristic $p \neq 2$. Finite Fields and Their Applications, 2002, 8, 597-609.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Polynomial identities for graded tensor products of algebras. Journal of Algebra, 2009, 321, 667-681.	0.7	2
38	Graded identities for tensor products of matrix (super)algebras over the Grassmann algebra. Linear Algebra and Its Applications, 2010, 432, 780-795.	0.9	2
39	The centre of generic algebras of small PI algebras. Journal of Algebra, 2013, 375, 109-120.	0.7	2
40	On the polynomial identities of the algebra <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>M</mml:mi></mml:mrow><mml:mrow><mml:mn>11</mml:mn></mml:mrow></mml:msub><mml:mo>E</mml:mo></mml:mrow></mml:math></small>	0.9	2
41	Embeddings for the Jordan algebra of a bilinear form. Advances in Mathematics, 2018, 337, 294-316.	1.1	2
42	Graded Identities and Central Polynomials for the Verbally Prime Algebras. Algebras and Representation Theory, 2023, 26, 71-96.	0.7	2
43	GK dimension of the relatively free algebra for $s \geq 2$. Monatshefte Fur Mathematik, 2014, 175, 543-553.	0.9	1
44	Group gradings on the Lie and Jordan algebras of upper triangular matrices. Sao Paulo Journal of Mathematical Sciences, 2017, 11, 326-347.	0.4	1
45	Graded identities for algebras with elementary gradings over an infinite field. Proceedings of the Edinburgh Mathematical Society, 0, , 1-21.	0.3	1
46	G-identities for the Lie algebra <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>C</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mo>C</mml:mo></mml:mrow></mml:math></small>	0.9	0
47	Graded and ordinary polynomial identities in matrix and related algebras. , 2003, , .		0
48	Graded identities for Kac-Moody and Heisenberg algebras with the Cartan grading. Linear Algebra and Its Applications, 2022, 638, 196-218.	0.9	0
49	Codimension growth for polynomial identities of representations of Lie algebras. Mathematische Nachrichten, 2022, 295, 281-308.	0.8	0