Plamen Koshlukov

List of Publications by Year
in descending order

49 papers	507 citations	687363 13 h-index
50 all docs	50 docs citations	50 times ranked

752698 20 g-index
54 citing authors

#	Article	IF	Citations
1	Graded Identities and Central Polynomials for the Verbally Prime Algebras. Algebras and Representation Theory, 2023, 26, 71-96.	0.7	2
2	-graded identities of the Lie algebras in characteristic 2. Mathematical Proceedings of the Cambridge Philosophical Society, 2023, 174, 49-58.	0.4	4
3	Polynomial identities for the Jordan algebra of 2â€Ã—â€2 upper triangular matrices. Journal of Algebra, 2022, 593, 477-506.	0.7	3
4	Graded identities for Kacâ€"Moody and Heisenberg algebras with the Cartan grading. Linear Algebra and Its Applications, 2022, 638, 196-218.	0.9	0
5	Codimension growth for polynomial identities of representations of Lie algebras. Mathematische Nachrichten, 2022, 295, 281-308.	0.8	0
6	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mi mathvariant="double-struck">Z</mml:mi></mml:math>-graded polynomial identities of the Grassmann algebra. Linear Algebra and Its Applications, 2021, 617, 190-214.	0.9	3
7	â„¤ and â„¤graded central polynomials of the Grassmann algebra. International Journal of Algebra and Computation, 2020, 30, 1035-1056.	0.5	3
8	Embeddings for the Jordan algebra of a bilinear form. Advances in Mathematics, 2018, 337, 294-316.	1.1	2
9	Elementary gradings on the Lie algebra <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>U</mml:mi><mml:msubsup><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mi>n</mml:mi> stretchy="false">(</mml:mo><mml:mo>â^'</mml:mo><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 412 Td (stretchy="false"... 66-79.	0.7	8
10	Group gradings on the Lie algebra of upper triangular matrices. Journal of Algebra, 2017, 477, 294-311.	0.7	9
11	Group gradings on the Jordan algebra of upper triangular matrices. Linear Algebra and Its Applications, 2017, 534, 1-12.	0.9	7
12	On â„¤sub><i>p</i></sub>-graded identities and cocharacters of the Grassmann algebra. Communications in Algebra, 2017, 45, 343-356.	0.6	7
13	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
14	Graded A-identities for the matrix algebra of order two. International Journal of Algebra and Computation, 2016, 26, 1617-1631.	0.5	3
15	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi mathvariant="double-struck">Z</mml:mi></mml:math>-graded identities of the Lie algebra <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>W</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow>	0.7	10
16	G-identities for the Lie algebra <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="italic">sl</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mi mathvariant="double-struck">C</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 127 T	nd:mo	0
17	Graded algebras with polynomial growth of their codimensions. Journal of Algebra, 2015, 434, 115-137.	0.7	14
18	GK dimension of the relatively free algebra for $$sl_2$$ s l 2. Monatshefte Fur Mathematik, 2014, 175, 543-553.	0.9	1

#	ARTICLE	IF	CITATIONS
19	The centre of generic algebras of small PI algebras. Journal of Algebra, 2013, 375, 109-120.	0.7	2
20	On the polynomial identities of the algebra‹mml:math 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›‹/m stretchy="false"›(‹/mml:mo›‹mml:mi›E‹/mml:mi›‹mml:mo› Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 692 Td (stretchy="false"›)‹/mml:m 4469-4482.	0.7	
21	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
22	On the ‹mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"›‹mml:mo›â—‹/mml:mo›‹/mml:math›-polynomial identities of ‹mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"›‹mml:msub›‹mml:mrow›‹mml:mi›M‹/mml:mi›‹/mml:mrow›‹mml:mrow›‹mml:mn›1‹/mml:mn›‹mml:mo›,‹/mm Journal of Pure and Applied Algebra, 2011, 215, 262-275.	0.6	4
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	The central polynomials for the Grassmann algebra. Israel Journal of Mathematics, 2010, 179, 127-144.	0.8	14
25	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
26	Identities and isomorphisms of graded simple algebras. Linear Algebra and Its Applications, 2010, 432, 3141-3148.	0.9	19
27	Graded central polynomials for the matrix algebra of order two. Monatshefte Fur Mathematik, 2009, 157, 247-256.	0.9	7
28	Polynomial identities for graded tensor products of algebras. Journal of Algebra, 2009, 321, 667-681.	0.7	2
29	Graded Central Polynomials forT-Prime Algebras. Communications in Algebra, 2009, 37, 2008-2020.	0.6	3
30	GRADED POLYNOMIAL IDENTITIES FOR THE LIE ALGEBRA sl‹sub›2‹/sub›(K). International Journal of Algebra and Computation, 2008, 18, 825-836.	0.5	19
31	Central polynomials for ‹mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.else Journal o	0.6	8
32	Polynomial identities of algebras in positive characteristic. Journal of Algebra, 2006, 305, 1149-1165.	0.7	12
33	Involutions for upper triangular matrix algebras. Advances in Applied Mathematics, 2006, 37, 541-568.	0.7	34
34	Identities with involution for the matrix algebra of order two in characteristicp. Israel Journal of Mathematics, 2005, 146, 337-355.	0.8	6
35	GRADED IDENTITIES AND PI EQUIVALENCE OF ALGEBRAS IN POSITIVE CHARACTERISTIC. Communications in Algebra, 2005, 33, 1011-1022.	0.6	15
36	Central polynomials in the matrix algebra of order two. Linear Algebra and Its Applications, 2004, 377, 53-67.	0.9	19

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#	Article	IF	Citations
37	Gradings on the algebra of upper triangular matrices and their graded identities. Journal of Algebra, 2004, 275, 550-566.	0.7	48
38	Tensor product theorems in positive characteristic. Journal of Algebra, 2004, 276, 836-845.	0.7	19
39	GRADED IDENTITIES FOR THE ALGEBRA OF nÃ—n UPPER TRIANGULAR MATRICES OVER AN INFINITE FIELD. International Journal of Algebra and Computation, 2003, 13, 517-526.	0.5	15
40	Graded and ordinary polynomial identities in matrix and related algebras. , 2003, , .		0
41	A Basis for the Graded Identities of the Matrix Algebra of Order Two over a Finite Field of Characteristic pâ‰ 2. Finite Fields and Their Applications, 2002, 8, 597-609.	1.0	2
42	Graded identities forT-prime algebras over fields of positive characteristic. Israel Journal of Mathematics, 2002, 128, 157-176.	0.8	30
43	On the identities of the Grassmann algebras in characteristicp>0. Israel Journal of Mathematics, 2001, 122, 305-316.	0.8	39
44	Basis of the Identities of the Matrix Algebra of Order Two over a Field of Characteristic pâ‰ 2. Journal of Algebra, 2001, 241, 410-434.	0.7	39
45	Ideals of identities of representations of nilpotent lie algebras. Communications in Algebra, 2000, 28, 3095-3113.	0.6	5
46	Finitely based ideals of weak polynomial identities. Communications in Algebra, 1998, 26, 3335-3359.	0.6	10
47	Weak Polynomial Identities for the Matrix Algebra of Order Two. Journal of Algebra, 1997, 188, 610-625.	0.7	10
48	Polynomial identities for a family of simple jordan algebras. Communications in Algebra, 1988, 16, 1325-1371.	0.6	20
49	Graded identities for algebras with elementary gradings over an infinite field. Proceedings of the Edinburgh Mathematical Society, 0, , 1-21.	0.3	1