Alberto Carlos Elduque Palomo

List of Publications by Year
in descending order

118 papers	1,234 citations	471509 17 h-index	526287 27 g-index
126 all docs	126 docs citations	126 times ranked	223 citing authors

#	Article	IF	Citations
1	Evolution algebras and graphs. Journal of Algebra and Its Applications, 2015, 14, 1550103.	0.4	47
2	Gradings on Octonions. Journal of Algebra, 1998, 207, 342-354.	0.7	45
3	Fine gradings on simple classical Lie algebras. Journal of Algebra, 2010, 324, 3532-3571.	0.7	45
4	Composition algebras with associative bilinear form. Communications in Algebra, 1996, 24, 1091-1116.	0.6	35
5	On flexible composition algebras. Communications in Algebra, 1993, 21, 2481-2505.	0.6	34
6	Flexible composition algebras and okubo algebras. Communications in Algebra, 1991, 19, 1197-1227.	0.6	31
7	New simple Lie superalgebras in characteristic 3. Journal of Algebra, 2006, 296, 196-233.	0.7	28
8	Symmetric Composition Algebras. Journal of Algebra, 1997, 196, 283-300.	0.7	25
9	On triality and automorphisms and derivations of composition algebras. Linear Algebra and Its Applications, 2000, 314, 49-74.	0.9	24
10	Lie–Yamaguti algebras related to ‹mml:math altimg="si1.gif" 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.elsevier.com. J	0.6	22
11	On maximal subalgebras of central simple Malcev algebras. Journal of Algebra, 1986, 103, 216-227.	0.7	21
12	Irreducible Lie–Yamaguti algebras. Journal of Pure and Applied Algebra, 2009, 213, 795-808.	0.6	21
13	SIMPLE $(-1,-1)$ BALANCED FREUDENTHAL KANTOR TRIPLE SYSTEMS. Glasgow Mathematical Journal, 2003, 45, 353-372.	0.3	19
14	The Magic Square and Symmetric Compositions II. Revista Matematica Iberoamericana, 2007, 23, 57-84.	0.9	19
15	-QUASIALGEBRAS. Communications in Algebra, 2002, 30, 2161-2174.	0.6	18
16	Graded modules over classical simple Lie algebras with a grading. Israel Journal of Mathematics, 2015, 207, 229-280.	0.8	18
17	A new construction of the Kac Jordan superalgebra. Proceedings of the American Mathematical Society, 2002, 130, 3209-3217.	0.8	17
18	A Lie grading which is not a semigroup grading. Linear Algebra and Its Applications, 2006, 418, 312-314.	0.9	17

#	ARTICLE	IF	CITATIONS
19	On nilpotent evolution algebras. Linear Algebra and Its Applications, 2016, 505, 11-31.	0.9	17
20	The Magic Square and Symmetric Compositions. Revista Matematica Iberoamericana, 2004, 20, 475-491.	0.9	16
21	On algebras satisfying $x^2x^2=N(x)x$. Mathematische Zeitschrift, 2000, 235, 275-314.	0.9	15
22	Gradings on symmetric composition algebras. Journal of Algebra, 2009, 322, 3542-3579.	0.7	15
23	Irreducible Lie–Yamaguti algebras of generic type. Journal of Pure and Applied Algebra, 2011, 215, 108-130.	0.6	15
24	Gradings on the exceptional Lie algebras F_4 and G_2 revisited. Revista Matematica Iberoamericana, 2012, 28, 773-813.	0.9	15
25	Third power associative composition algebras. Manuscripta Mathematica, 1994, 84, 73-87.	0.6	14
26	Lie Superalgebras with Semisimple Even Part. Journal of Algebra, 1996, 183, 649-663.	0.7	14
27	On the Cartan–Jacobson Theorem. Journal of Algebra, 2002, 250, 397-407.	0.7	14
28	Maximal subalgebras of associative superalgebras. Journal of Algebra, 2004, 275, 40-58.	0.7	13
29	An Extended Freudenthal Magic Square in characteristic 3. Journal of Algebra, 2007, 317, 471-509.	0.7	13
30	FINE GRADINGS ON EXCEPTIONAL SIMPLE LIE SUPERALGEBRAS. International Journal of Mathematics, 2011, 22, 1823-1855.	0.5	13
31	On malcev modules. Communications in Algebra, 1990, 18, 1551-1561.	0.6	12
32	Color algebras and affine connections on S6. Journal of Algebra, 1992, 149, 234-261.	0.7	12
33	The reductive pair (B3, G2) and affine connections on S7. Journal of Pure and Applied Algebra, 1993, 86, 155-171.	0.6	12
34	Composition Algebras with Large Derivation Algebras. Journal of Algebra, 1997, 190, 372-404.	0.7	12
35	The S_4-action on tetrahedron algebra. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2007, 137, 1227-1248.	1.2	12
36	More non-semigroup Lie gradings. Linear Algebra and Its Applications, 2009, 431, 1603-1606.	0.9	12

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37	Quadratic alternative algebras. Journal of Mathematical Physics, 1990, 31, 1-5.	1.1	11
38	On Some Algebras Related to Simple Lie Triple Systems. Journal of Algebra, 1999, 219, 234-254.	0.7	11
39	Lie algebras with <mml:math altimg="si1.gif" 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"	0.7	11
40	Gradings on 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>D</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:mrow></m revisited. Journal of Algebra, 2015, 441, 441-474.	0.7	11
41	Evolution algebras, automorphisms, and graphs. Linear and Multilinear Algebra, 2021, 69, 331-342.	1.0	11
42	Composition algebras of degree two. Proceedings of the Edinburgh Mathematical Society, 1999, 42, 641-653.	0.3	10
43	Lie superalgebras graded by the root system B(m,n). Selecta Mathematica, New Series, 2003, 9, 313-360.	1.0	10
44	Some new simple modular Lie superalgebras. Pacific Journal of Mathematics, 2007, 231, 337-359.	0.5	10
45	The extended Freudenthal Magic Square and Jordan algebras. Manuscripta Mathematica, 2007, 123, 325-351.	0.6	10
46	A Note on the Linkage of Hurwitz Algebras. Manuscripta Mathematica, 2005, 117, 105-110.	0.6	9
47	Infinite dimensional quadratic forms admitting composition. Proceedings of the American Mathematical Society, 1997, 125, 2207-2216.	0.8	9
48	Maximal subalgebras of Jordan superalgebras. Journal of Pure and Applied Algebra, 2008, 212, 2461-2478.	0.6	8
49	Weyl groups of fine gradings on matrix algebras, octonions and the Albert algebra. Journal of Algebra, 2012, 366, 165-186.	0.7	8
50	Classification of quadratic Lie algebras of low dimension. Journal of Mathematical Physics, 2014, 55, .	1.1	8
51	Lie Superalgebras Graded by the Root Systems C(n), D(m, n), D(2, 1, Î±), F(4), G(3). Canadian Mathematical Bulletin, 2002, 45, 509-524.	0.5	8
52	Okubo algebras in characteristic 3 and their automorphisms. Communications in Algebra, 1999, 27, 3009-3030.	0.6	7
53	COMPOSITION SUPERALGEBRAS. Communications in Algebra, 2002, 30, 5447-5471.	0.6	7
54	Some special features of Cayley algebras, and G2, in low characteristics. Journal of Pure and Applied Algebra, 2016, 220, 1188-1205.	0.6	7

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55	On supersolvable malcev algebras*. Communications in Algebra, 1986, 14, 311-321.	0.6	6
56	A note on noncentral simple minimal nonabelian lie algebras. Communications in Algebra, 1987, 15, 1313-1318.	0.6	6
57	Colour algebras and Cayley–Dickson algebras. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1995, 125, 1287-1303.	1.2	6
58	Alternative quasialgebras. Bulletin of the Australian Mathematical Society, 2001, 63, 257-268.	0.5	6
59	Models of the octonions and G2. Linear Algebra and Its Applications, 2003, 371, 333-359.	0.9	6
60	The Kac Jordan superalgebra: automorphisms and maximal subalgebras. Proceedings of the American Mathematical Society, 2007, 135, 3805-3813.	0.8	6
61	Jordan gradings on exceptional simple Lie algebras. Proceedings of the American Mathematical Society, 2009, 137, 4007-4017.	0.8	6
62	Special Freudenthal–Kantor triple systems and Lie algebras with dicyclic symmetry. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2011, 141, 1225-1262.	1.2	6
63	Gradings on the simple real Lie algebras of types G2 and D4. Journal of Algebra, 2018, 512, 382-426.	0.7	6
64	Malcev superalgebras with trival nucleus. Communications in Algebra, 1993, 21, 3147-3164.	0.6	5
65	The Reductive Pair (B4,B3) and Affine Connections on S15. Journal of Algebra, 2000, 227, 504-531.	0.7	5
66	Power associative composition algebras. Manuscripta Mathematica, 2000, 103, 75-90.	0.6	5
67	Local Triality and Some Related Algebras. Journal of Algebra, 2001, 244, 828-844.	0.7	5
68	Composition Algebras Satisfying the Flexible Law. Communications in Algebra, 2004, 32, 1997-2013.	0.6	5
69	On the Classification of Commutative Right-Nilalgebras of Dimension at Most Four. Communications in Algebra, 2007, 35, 577-588.	0.6	5
70	Left unital Kantor triple systems and structurable algebras. Linear and Multilinear Algebra, 2014, 62, 1293-1313.	1.0	5
71	Gradings on Algebras over Algebraically Closed Fields. Springer Proceedings in Mathematics and Statistics, 2016, , 113-121.	0.2	5
72	Lie algebras with prescribed $\mathfrak{sl}_{3}$ decomposition. Proceedings of the American Mathematical Society, 2012, 140, 2627-2638.	0.8	5

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73	Invariant projectively flat affine connections on Lie groups. Hokkaido Mathematical Journal, 2001, 30, .	0.3	5
74	Superalgebras with semisimple even part. Communications in Algebra, 1997, 25, 1573-1587.	0.6	4
75	Pseudo-composition Superalgebras. Journal of Algebra, 2000, 227, 1-25.	0.7	4
76	Derivations of the Cheng–Kac Jordan superalgebras. Journal of Algebra, 2011, 338, 144-156.	0.7	4
77	A CLASS OF LOCALLY NILPOTENT COMMUTATIVE ALGEBRAS. International Journal of Algebra and Computation, 2011, 21, 763-774.	0.5	4
78	Graded-simple algebras and cocycle twisted loop algebras. Proceedings of the American Mathematical Society, 2019, 147, 2821-2833.	0.8	4
79	Models of some simple modular Lie superalgebras. Pacific Journal of Mathematics, 2009, 240, 49-83.	0.5	4
80	On Malcev algebras in which all subideals are ideals. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1985, 101, 353-363.	1.2	3
81	On the J-potency of Malcev algebras. Journal of Algebra, 1992, 147, 81-89.	0.7	3
82	On the generators of Lie superalgebras. Linear Algebra and Its Applications, 1993, 181, 45-61.	0.9	3
83	A note on semiprime Malcev superalgebras. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1993, 123, 887-891.	1.2	3
84	Engel's theorem for malcev superalgebras. Communications in Algebra, 1994, 22, 5689-5701.	0.6	3
85	A note on triality and symmetric compositions. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 2000, 70, 125-135.	0.2	3
86	Quaternions, octonions and the forms of the exceptional simple classical Lie superalgebras. Commentarii Mathematici Helvetici, 2004, 79, 208-228.	0.7	3
87	ON SOME JORDAN BARIC ALGEBRAS. Journal of Algebra and Its Applications, 2013, 12, 1250215.	0.4	3
88	Maximal finite abelian subgroups of E8. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2017, 147, 993-1008.	1.2	3
89	CODES, S-STRUCTURES, AND EXCEPTIONAL LIE ALGEBRAS. Glasgow Mathematical Journal, 2020, 62, S14-S27.	0.3	3
90	Cross products, automorphisms, and gradings. Linear Algebra and Its Applications, 2021, 610, 227-256.	0.9	3

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91	On Transitive Left-Symmetric Algebras. , 1994, , 114-121.		3
92	On Semisimple Malcev Algebras. Proceedings of the American Mathematical Society, 1989, 107, 73.	0.8	2
93	Composition of quadratic forms and the Hurwitzâ€"Radon function in characteristic 2. Linear Algebra and Its Applications, 2002, 348, 87-103.	0.9	2
94	Lie algebras with S_3- or S_4-action and generalized Malcev algebras. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2009, 139, 321-357.	1.2	2
95	Fine gradings and gradings by root systems on simple Lie algebras. Revista Matematica Iberoamericana, 2015, 31, 245-266.	0.9	2
96	Cross products, invariants, and centralizers. Journal of Algebra, 2018, 500, 69-102.	0.7	2
97	Order 3 Elements in G_2 and Idempotents in Symmetric Composition Algebras. Canadian Journal of Mathematics, 2018, 70, 1038-1075.	0.6	2
98	On Kacâ€™s Jordan superalgebra. Linear and Multilinear Algebra, 2019, 67, 490-498.	1.0	2
99	Graded-division algebras over arbitrary fields. Journal of Algebra and Its Applications, 2021, 20, 2140009.	0.4	2
100	Gradings on associative algebras with involution and real forms of classical simple Lie algebras. Journal of Algebra, 2022, 590, 61-138.	0.7	2
101	On semimodular Mal'cev algebras. Archiv Der Mathematik, 1988, 50, 328-336.	0.5	1
102	A note on modularity in Mal'cev algebras. Archiv Der Mathematik, 1988, 50, 424-428.	0.5	1
103	Lattice isomorphisms of Malcev algebras. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1988, 109, 37-50.	1.2	1
104	On lie algebras with a subalgebra of codimension one. Lecture Notes in Mathematics, 1989, , 58-66.	0.2	1
105	On semisimple Malâ€²cev algebras. Proceedings of the American Mathematical Society, 1989, 107, 73-82.	0.8	1
106	On the nullity of lie algebras. Linear Algebra and Its Applications, 1992, 166, 195-206.	0.9	1
107	A modified Brauer algebra as centralizer algebra of the unitary group. Transactions of the American Mathematical Society, 2004, 356, 3963-3983.	0.9	1
108	Gradings on Modules Over Lie Algebras of E Types. Algebras and Representation Theory, 2017, 20, 1085-1107.	0.7	1

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109	Gradings on semisimple algebras. Linear Algebra and Its Applications, 2018, 559, 145-171.	0.9	1
110	Clifford Algebras as Twisted Group Algebras and the Arf Invariant. Advances in Applied Clifford Algebras, 2018, 28, 1.	1.0	1
111	Graded-division algebras and Galois extensions. Journal of Pure and Applied Algebra, 2021, 225, 106773.	0.6	1
112	Tits Construction of The Exceptional Simple Lie Algebras. Pure and Applied Mathematics Quarterly, 2011, 7, 559-586.	0.4	1
113	Reductive homogeneous spaces and nonassociative algebras. Communications in Mathematics, 2020, 28, 199-229.	0.3	1
114	On the Classification of Commutative Right-Nilalgebras of Nilindex 5 and Dimension 4. Communications in Algebra, 2008, 36, 1704-1716.	0.6	0
115	Special issue in honor of Efim Zelmanov. Journal of Algebra, 2018, 500, 1-2.	0.7	0
116	Invariant connections on symmetric spaces. , 2019, , 21-34.		0
117	Non-group gradings on simple Lie algebras. Linear Algebra and Its Applications, 2022, 640, 149-161.	0.9	0
118	Real simple symplectic triple systems. Analysis and Mathematical Physics, 2022, 12, 1.	1.3	0