

# Alberto Carlos Elduque Palomo

## List of Publications by Year in descending order

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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	Gradings on associative algebras with involution and real forms of classical simple Lie algebras. <i>Journal of Algebra</i> , 2022, 590, 61-138.	0.7	2
2	Non-group gradings on simple Lie algebras. <i>Linear Algebra and Its Applications</i> , 2022, 640, 149-161.	0.9	0
3	Real simple symplectic triple systems. <i>Analysis and Mathematical Physics</i> , 2022, 12, 1.	1.3	0
4	Evolution algebras, automorphisms, and graphs. <i>Linear and Multilinear Algebra</i> , 2021, 69, 331-342.	1.0	11
5	Cross products, automorphisms, and gradings. <i>Linear Algebra and Its Applications</i> , 2021, 610, 227-256.	0.9	3
6	Graded-division algebras and Galois extensions. <i>Journal of Pure and Applied Algebra</i> , 2021, 225, 106773.	0.6	1
7	Graded-division algebras over arbitrary fields. <i>Journal of Algebra and Its Applications</i> , 2021, 20, 2140009.	0.4	2
8	CODES, $S$ -STRUCTURES, AND EXCEPTIONAL LIE ALGEBRAS. <i>Glasgow Mathematical Journal</i> , 2020, 62, S14-S27.	0.3	3
9	Reductive homogeneous spaces and nonassociative algebras. <i>Communications in Mathematics</i> , 2020, 28, 199-229.	0.3	1
10	Graded-simple algebras and cocycle twisted loop algebras. <i>Proceedings of the American Mathematical Society</i> , 2019, 147, 2821-2833.	0.8	4
11	On Kac's Jordan superalgebra. <i>Linear and Multilinear Algebra</i> , 2019, 67, 490-498.	1.0	2
12	Invariant connections on symmetric spaces. , 2019, , 21-34.		0
13	Special issue in honor of Efim Zelmanov. <i>Journal of Algebra</i> , 2018, 500, 1-2.	0.7	0
14	Cross products, invariants, and centralizers. <i>Journal of Algebra</i> , 2018, 500, 69-102.	0.7	2
15	Order 3 Elements in $G_{2^2}$ and Idempotents in Symmetric Composition Algebras. <i>Canadian Journal of Mathematics</i> , 2018, 70, 1038-1075.	0.6	2
16	Gradings on semisimple algebras. <i>Linear Algebra and Its Applications</i> , 2018, 559, 145-171.	0.9	1
17	Clifford Algebras as Twisted Group Algebras and the Arf Invariant. <i>Advances in Applied Clifford Algebras</i> , 2018, 28, 1.	1.0	1
18	Gradings on the simple real Lie algebras of types $G_2$ and $D_4$ . <i>Journal of Algebra</i> , 2018, 512, 382-426.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Gradings on Modules Over Lie Algebras of E Types. <i>Algebras and Representation Theory</i> , 2017, 20, 1085-1107.	0.7	1
20	Maximal finite abelian subgroups of E8. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2017, 147, 993-1008.	1.2	3
21	On nilpotent evolution algebras. <i>Linear Algebra and Its Applications</i> , 2016, 505, 11-31.	0.9	17
22	Gradings on Algebras over Algebraically Closed Fields. <i>Springer Proceedings in Mathematics and Statistics</i> , 2016, , 113-121.	0.2	5
23	Some special features of Cayley algebras, and G2, in low characteristics. <i>Journal of Pure and Applied Algebra</i> , 2016, 220, 1188-1205.	0.6	7
24	Fine gradings and gradings by root systems on simple Lie algebras. <i>Revista Matemática Iberoamericana</i> , 2015, 31, 245-266.	0.9	2
25	Evolution algebras and graphs. <i>Journal of Algebra and Its Applications</i> , 2015, 14, 1550103.	0.4	47
26	Graded modules over classical simple Lie algebras with a grading. <i>Israel Journal of Mathematics</i> , 2015, 207, 229-280.	0.8	18
27	Gradings on the Lie algebra $\mathfrak{sl}_3$ revisited. <i>Journal of Algebra</i> , 2015, 441, 441-474.	0.7	11
28	Classification of quadratic Lie algebras of low dimension. <i>Journal of Mathematical Physics</i> , 2014, 55, .	1.1	8
29	Left unital Kantor triple systems and structurable algebras. <i>Linear and Multilinear Algebra</i> , 2014, 62, 1293-1313.	1.0	5
30	ON SOME JORDAN BARIC ALGEBRAS. <i>Journal of Algebra and Its Applications</i> , 2013, 12, 1250215.	0.4	3
31	Weyl groups of fine gradings on matrix algebras, octonions and the Albert algebra. <i>Journal of Algebra</i> , 2012, 366, 165-186.	0.7	8
32	Lie algebras with prescribed $\mathfrak{sl}_3$ decomposition. <i>Proceedings of the American Mathematical Society</i> , 2012, 140, 2627-2638.	0.8	5
33	Gradings on the exceptional Lie algebras $F_4$ and $G_2$ revisited. <i>Revista Matemática Iberoamericana</i> , 2012, 28, 773-813.	0.9	15
34	Special Freudenthal-Kantor triple systems and Lie algebras with dicyclic symmetry. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2011, 141, 1225-1262.	1.2	6
35	Irreducible Lie-Yamaguti algebras of generic type. <i>Journal of Pure and Applied Algebra</i> , 2011, 215, 108-130.	0.6	15
36	Derivations of the Cheng-Kac Jordan superalgebras. <i>Journal of Algebra</i> , 2011, 338, 144-156.	0.7	4

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37	A CLASS OF LOCALLY NILPOTENT COMMUTATIVE ALGEBRAS. International Journal of Algebra and Computation, 2011, 21, 763-774.	0.5	4
38	FINE GRADINGS ON EXCEPTIONAL SIMPLE LIE SUPERALGEBRAS. International Journal of Mathematics, 2011, 22, 1823-1855.	0.5	13
39	Tits Construction of The Exceptional Simple Lie Algebras. Pure and Applied Mathematics Quarterly, 2011, 7, 559-586.	0.4	1
40	Fine gradings on simple classical Lie algebras. Journal of Algebra, 2010, 324, 3532-3571.	0.7	45
41	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
42	Gradings on symmetric composition algebras. Journal of Algebra, 2009, 322, 3542-3579.	0.7	15
43	Irreducible Lie-Yamaguti algebras. Journal of Pure and Applied Algebra, 2009, 213, 795-808.	0.6	21
44	More non-semigroup Lie gradings. Linear Algebra and Its Applications, 2009, 431, 1603-1606.	0.9	12
45	Jordan gradings on exceptional simple Lie algebras. Proceedings of the American Mathematical Society, 2009, 137, 4007-4017.	0.8	6
46	Models of some simple modular Lie superalgebras. Pacific Journal of Mathematics, 2009, 240, 49-83.	0.5	4
47	Maximal subalgebras of Jordan superalgebras. Journal of Pure and Applied Algebra, 2008, 212, 2461-2478.	0.6	8
48	On the Classification of Commutative Right-Nilalgebras of Nilindex 5 and Dimension 4. Communications in Algebra, 2008, 36, 1704-1716.	0.6	0
49	On the Classification of Commutative Right-Nilalgebras of Dimension at Most Four. Communications in Algebra, 2007, 35, 577-588.	0.6	5
50	The Kac Jordan superalgebra: automorphisms and maximal subalgebras. Proceedings of the American Mathematical Society, 2007, 135, 3805-3813.	0.8	6
51	The $S_4$ -action on tetrahedron algebra. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2007, 137, 1227-1248.	1.2	12
52	Some new simple modular Lie superalgebras. Pacific Journal of Mathematics, 2007, 231, 337-359.	0.5	10
53	Lie algebras with $S_3$ -action and generalized Malcev algebras. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2009, 139, 321-357.	0.7	11
54	An Extended Freudenthal Magic Square in characteristic 3. Journal of Algebra, 2007, 317, 471-509.	0.7	13

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55	The extended Freudenthal Magic Square and Jordan algebras. <i>Manuscripta Mathematica</i> , 2007, 123, 325-351.	0.6	10
56	The Magic Square and Symmetric Compositions II. <i>Revista Matemática Iberoamericana</i> , 2007, 23, 57-84.	0.9	19
57	A Lie grading which is not a semigroup grading. <i>Linear Algebra and Its Applications</i> , 2006, 418, 312-314.	0.9	17
58	New simple Lie superalgebras in characteristic 3. <i>Journal of Algebra</i> , 2006, 296, 196-233.	0.7	28
59	Lie Yamaguti algebras related to $\langle \mathfrak{sl}(n, \mathbb{R}) \rangle$ overflow="scroll" <small>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/</small>	0.6	22
60	A Note on the Linkage of Hurwitz Algebras. <i>Manuscripta Mathematica</i> , 2005, 117, 105-110.	0.6	9
61	Quaternions, octonions and the forms of the exceptional simple classical Lie superalgebras. <i>Commentarii Mathematici Helvetici</i> , 2004, 79, 208-228.	0.7	3
62	Maximal subalgebras of associative superalgebras. <i>Journal of Algebra</i> , 2004, 275, 40-58.	0.7	13
63	Composition Algebras Satisfying the Flexible Law. <i>Communications in Algebra</i> , 2004, 32, 1997-2013.	0.6	5
64	A modified Brauer algebra as centralizer algebra of the unitary group. <i>Transactions of the American Mathematical Society</i> , 2004, 356, 3963-3983.	0.9	1
65	The Magic Square and Symmetric Compositions. <i>Revista Matemática Iberoamericana</i> , 2004, 20, 475-491.	0.9	16
66	Lie superalgebras graded by the root system $B(m,n)$ . <i>Selecta Mathematica, New Series</i> , 2003, 9, 313-360.	1.0	10
67	Models of the octonions and $G_2$ . <i>Linear Algebra and Its Applications</i> , 2003, 371, 333-359.	0.9	6
68	SIMPLE $(-1,-1)$ BALANCED FREUDENTHAL KANTOR TRIPLE SYSTEMS. <i>Glasgow Mathematical Journal</i> , 2003, 45, 353-372.	0.3	19
69	A new construction of the Kac Jordan superalgebra. <i>Proceedings of the American Mathematical Society</i> , 2002, 130, 3209-3217.	0.8	17
70	-QUASIALGEBRAS. <i>Communications in Algebra</i> , 2002, 30, 2161-2174.	0.6	18
71	On the Cartan-Jacobson Theorem. <i>Journal of Algebra</i> , 2002, 250, 397-407.	0.7	14
72	Composition of quadratic forms and the Hurwitz-Radon function in characteristic 2. <i>Linear Algebra and Its Applications</i> , 2002, 348, 87-103.	0.9	2

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73	COMPOSITION SUPERALGEBRAS. Communications in Algebra, 2002, 30, 5447-5471.	0.6	7
74	Lie Superalgebras Graded by the Root Systems $C(n)$ , $D(m, n)$ , $D(2, 1, \hat{1} \pm)$ , $F(4)$ , $G(3)$ . Canadian Mathematical Bulletin, 2002, 45, 509-524.	0.5	8
75	Alternative quasialgebras. Bulletin of the Australian Mathematical Society, 2001, 63, 257-268.	0.5	6
76	Local Triality and Some Related Algebras. Journal of Algebra, 2001, 244, 828-844.	0.7	5
77	Invariant projectively flat affine connections on Lie groups. Hokkaido Mathematical Journal, 2001, 30, .	0.3	5
78	The Reductive Pair $(B_4, B_3)$ and Affine Connections on $S^{15}$ . Journal of Algebra, 2000, 227, 504-531.	0.7	5
79	Pseudo-composition Superalgebras. Journal of Algebra, 2000, 227, 1-25.	0.7	4
80	On triality and automorphisms and derivations of composition algebras. Linear Algebra and Its Applications, 2000, 314, 49-74.	0.9	24
81	On algebras satisfying $x^2x^2=N(x)x$ . Mathematische Zeitschrift, 2000, 235, 275-314.	0.9	15
82	Power associative composition algebras. Manuscripta Mathematica, 2000, 103, 75-90.	0.6	5
83	A note on triality and symmetric compositions. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 2000, 70, 125-135.	0.2	3
84	Composition algebras of degree two. Proceedings of the Edinburgh Mathematical Society, 1999, 42, 641-653.	0.3	10
85	On Some Algebras Related to Simple Lie Triple Systems. Journal of Algebra, 1999, 219, 234-254.	0.7	11
86	Okubo algebras in characteristic 3 and their automorphisms. Communications in Algebra, 1999, 27, 3009-3030.	0.6	7
87	Gradings on Octonions. Journal of Algebra, 1998, 207, 342-354.	0.7	45
88	Superalgebras with semisimple even part. Communications in Algebra, 1997, 25, 1573-1587.	0.6	4
89	Composition Algebras with Large Derivation Algebras. Journal of Algebra, 1997, 190, 372-404.	0.7	12
90	Symmetric Composition Algebras. Journal of Algebra, 1997, 196, 283-300.	0.7	25

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91	Infinite dimensional quadratic forms admitting composition. Proceedings of the American Mathematical Society, 1997, 125, 2207-2216.	0.8	9
92	Lie Superalgebras with Semisimple Even Part. Journal of Algebra, 1996, 183, 649-663.	0.7	14
93	Composition algebras with associative bilinear form. Communications in Algebra, 1996, 24, 1091-1116.	0.6	35
94	Colour algebras and Cayley-Dickson algebras. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1995, 125, 1287-1303.	1.2	6
95	Third power associative composition algebras. Manuscripta Mathematica, 1994, 84, 73-87.	0.6	14
96	Engel's theorem for malcev superalgebras. Communications in Algebra, 1994, 22, 5689-5701.	0.6	3
97	On Transitive Left-Symmetric Algebras. , 1994, , 114-121.		3
98	The reductive pair $(B_3, G_2)$ and affine connections on $S_7$ . Journal of Pure and Applied Algebra, 1993, 86, 155-171.	0.6	12
99	On the generators of Lie superalgebras. Linear Algebra and Its Applications, 1993, 181, 45-61.	0.9	3
100	Malcev superalgebras with trival nucleus. Communications in Algebra, 1993, 21, 3147-3164.	0.6	5
101	On flexible composition algebras. Communications in Algebra, 1993, 21, 2481-2505.	0.6	34
102	A note on semiprime Malcev superalgebras. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1993, 123, 887-891.	1.2	3
103	Color algebras and affine connections on $S_6$ . Journal of Algebra, 1992, 149, 234-261.	0.7	12
104	On the J-potency of Malcev algebras. Journal of Algebra, 1992, 147, 81-89.	0.7	3
105	On the nullity of lie algebras. Linear Algebra and Its Applications, 1992, 166, 195-206.	0.9	1
106	Flexible composition algebras and okubo algebras. Communications in Algebra, 1991, 19, 1197-1227.	0.6	31
107	On malcev modules. Communications in Algebra, 1990, 18, 1551-1561.	0.6	12
108	Quadratic alternative algebras. Journal of Mathematical Physics, 1990, 31, 1-5.	1.1	11

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109	On lie algebras with a subalgebra of codimension one. Lecture Notes in Mathematics, 1989, , 58-66.	0.2	1
110	On semisimple Mal'cev algebras. Proceedings of the American Mathematical Society, 1989, 107, 73-82.	0.8	1
111	On Semisimple Malcev Algebras. Proceedings of the American Mathematical Society, 1989, 107, 73.	0.8	2
112	On semimodular Mal'cev algebras. Archiv Der Mathematik, 1988, 50, 328-336.	0.5	1
113	A note on modularity in Mal'cev algebras. Archiv Der Mathematik, 1988, 50, 424-428.	0.5	1
114	Lattice isomorphisms of Malcev algebras. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1988, 109, 37-50.	1.2	1
115	A note on noncentral simple minimal nonabelian lie algebras. Communications in Algebra, 1987, 15, 1313-1318.	0.6	6
116	On maximal subalgebras of central simple Malcev algebras. Journal of Algebra, 1986, 103, 216-227.	0.7	21
117	On supersolvable malcev algebras $\hat{=}$ . Communications in Algebra, 1986, 14, 311-321.	0.6	6
118	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