Manuel Ceballos

List of Publications by Year
in descending order

30 papers	154 citations	1307594 7 h-index	1281871 11 g-index
31 all docs	31 docs citations	31 times ranked	81 citing authors

#	Article	IF	Citations
1	A historical perspective of Tian's evolution algebras. , 2022, 40, 819-843.		8
2	New advances on (pseudo)digraphs and evolution algebras. Computational and Applied Mathematics, 2022, 41, 1.	2.2	0
3	Algorithm to compute minimal matrix representation of nilpotent lie algebras. International Journal of Computer Mathematics, 2020, 97, 275-293.	1.8	4
4	Filiform Lie Algebras with Low Derived Length. Mediterranean Journal of Mathematics, 2020, 17, 1.	0.8	0
5	Finite dimensional evolution algebras and (pseudo)digraphs. Mathematical Methods in the Applied Sciences, 2020, , .	2.3	8
6	Effectiveness of mobile devices as audience response systems in the chemistry laboratory classroom. Computer Applications in Engineering Education, 2019, 27, 572-579.	3.4	10
7	Finite-dimensional Leibniz algebras and combinatorial structures. Communications in Contemporary Mathematics, 2018, 20, 1750004.	1.2	5
8	(Pseudo)digraphs and Leibniz algebra isomorphisms. Mathematical Methods in the Applied Sciences, 2018, 41, 7481-7497.	2.3	1
9	New Results in the Classification of Filiform Lie Algebras. Bulletin of the Malaysian Mathematical Sciences Society, 2017, 40, 409-437.	0.9	3
10	Minimal faithful upper-triangular matrix representations for solvable Lie algebras. Journal of Computational and Applied Mathematics, 2017, 318, 279-292.	2.0	1
11	Algorithm to compute abelian subalgebras and ideals in Malcev algebras. Mathematical Methods in the Applied Sciences, 2016, 39, 4892-4900.	2.3	1
12	Computing abelian subalgebras for linear algebras of upper-triangular matrices from an algorithmic perspective. Analele Stiintifice Ale Universitatii Ovidius Constanta, Seria Matematica, 2016, 24, 137-147.	0.3	0
13	Algorithmic method to obtain combinatorial structures associated with Leibniz algebras. Mathematics and Computers in Simulation, 2016, 125, 126-138.	4.4	3
14	Invariant Complex Structures on 6-Nilmanifolds: Classification, Frölicher Spectral Sequence and Special Hermitian Metrics. Journal of Geometric Analysis, 2016, 26, 252-286.	1.0	40
15	Abelian subalgebras on Lie algebras. Communications in Contemporary Mathematics, 2015, 17, 1550050.	1.2	0
16	Relations Between Combinatorial Structures and Lie Algebras: Centers and Derived Lie Algebras. Bulletin of the Malaysian Mathematical Sciences Society, 2015, 38, 529-541.	0.9	1
17	Algorithmic procedure to compute abelian subalgebras and ideals of maximal dimension of Leibniz algebras. International Journal of Computer Mathematics, 2015, 92, 1838-1854.	1.8	3
18	On abelian subalgebras and ideals of maximal dimension in supersolvable Lie algebras. Journal of Pure and Applied Algebra, 2014, 218, 497-503.	0.6	10

#	Article	IF	Citations
19	Graph operations and Lie algebras. International Journal of Computer Mathematics, 2013, 90, 2092-2104.	1.8	1
20	REPRESENTING FILIFORM LIE ALGEBRAS MINIMALLY AND FAITHFULLY BY STRICTLY UPPER-TRIANGULAR MATRICES. Journal of Algebra and Its Applications, 2013, 12, 1250196.	0.4	7
21	Algorithmic method to obtain abelian subalgebras and ideals in Lie algebras. International Journal of Computer Mathematics, 2012, 89, 1388-1411.	1.8	8
22	Combinatorial structures of three vertices and Lie algebras. International Journal of Computer Mathematics, 2012, 89, 1879-1900.	1.8	6
23	Combinatorial structures and Lie algebras of upper triangular matrices. Applied Mathematics Letters, 2012, 25, 514-519.	2.7	7
24	Study of Lie algebras by using combinatorial structures. Linear Algebra and Its Applications, 2012, 436, 349-363.	0.9	14
25	Complete triangular structures and Lie algebras. International Journal of Computer Mathematics, 2011, 88, 1839-1851.	1.8	10
26	Computing Matrix Representations of Filiform Lie Algebras. Lecture Notes in Computer Science, 2010, , 61-72.	1.3	0
27	Algorithm to compute the maximal abelian dimension of Lie algebras. Computing (Vienna/New York), 2009, 84, 231-239.	4.8	3
28	Abelian subalgebras in some particular types of Lie algebras. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e401-e408.	1.1	0
29	An Algorithm to Compute Abelian Subalgebras in Linear Algebras of Upper-Triangular Matrices. , 2009, , .		0
30	Oriented CW complexes and finite–dimensional alternative algebras. Mathematical Methods in the Applied Sciences, 0, , .	2.3	0