Angel Francisco Tenorio

List of Publications by Year
in descending order

35 papers	135 citations	1478505 6 h-index	1372567 10 g-index
35 all docs	35 docs citations	35 times ranked	67 citing authors

#	Article	IF	Citations
1	A historical perspective of Tian's evolution algebras. , 2022, 40, 819-843.		8
2	Algorithm to compute minimal matrix representation of nilpotent lie algebras. International Journal of Computer Mathematics, 2020, 97, 275-293.	1.8	4
3	Finite-dimensional Leibniz algebras and combinatorial structures. Communications in Contemporary Mathematics, 2018, 20, 1750004.	1.2	5
4	(Pseudo)digraphs and Leibniz algebra isomorphisms. Mathematical Methods in the Applied Sciences, 2018, 41, 7481-7497.	2.3	1
5	TEACHING MATHEMATICAL TOPICS IN UNIVERSITY PROGRAMS FOR SENIOR PEOPLE. INTED Proceedings, 2018, , .	0.0	0
6	New Results in the Classification of Filiform Lie Algebras. Bulletin of the Malaysian Mathematical Sciences Society, 2017, 40, 409-437.	0.9	3
7	Minimal faithful upper-triangular matrix representations for solvable Lie algebras. Journal of Computational and Applied Mathematics, 2017, 318, 279-292.	2.0	1
8	Algorithm to compute abelian subalgebras and ideals in Malcev algebras. Mathematical Methods in the Applied Sciences, 2016, 39, 4892-4900.	2.3	1
9	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
10	Algorithmic method to obtain combinatorial structures associated with Leibniz algebras. Mathematics and Computers in Simulation, 2016, 125, 126-138.	4.4	3
11	MATH SKILLS IN THE FIRST YEAR AT THE UNIVERSITY OF UNDERGRADUATE STUDENTS IN BUSINESS DEGREE. EDULEARN Proceedings, 2016, , .	0.0	0
12	Abelian subalgebras on Lie algebras. Communications in Contemporary Mathematics, 2015, 17, 1550050.	1.2	0
13	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
14	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
15	Fundamental Products and Autonomous Sets: An Algorithmic Approach. Applied Mathematics and Information Sciences, 2015, 9, 9-18.	0.5	1
16	Design of an Efficient Algorithm to Determine a Near-Optimal Location of Parking Areas for Dangerous Goods in the European Road Transport Network. Lecture Notes in Computer Science, 2015, , 617-626.	1.3	1
17	Evaluando con Webquest: Una experiencia en matemáticas financieras.. Edutec, 2015, , .	0.4	0
18	Graph operations and Lie algebras. International Journal of Computer Mathematics, 2013, 90, 2092-2104.	1.8	1

#	Article	IF	Citations
19	REPRESENTING FILIFORM LIE ALGEBRAS MINIMALLY AND FAITHFULLY BY STRICTLY UPPER-TRIANGULAR MATRICES. Journal of Algebra and Its Applications, 2013, 12, 1250196.	0.4	7
20	Algorithmic method to obtain abelian subalgebras and ideals in Lie algebras. International Journal of Computer Mathematics, 2012, 89, 1388-1411.	1.8	8
21	Combinatorial structures of three vertices and Lie algebras. International Journal of Computer Mathematics, 2012, 89, 1879-1900.	1.8	6
22	Simplifying the input–output analysis through the use of topological graphs. Economic Modelling, 2012, 29, 1931-1937.	3.8	8
23	Maximal Abelian Dimensions in Some Families of Nilpotent Lie Algebras. Algebras and Representation Theory, 2012, 15, 697-713.	0.7	3
24	Combinatorial structures and Lie algebras of upper triangular matrices. Applied Mathematics Letters, 2012, 25, 514-519.	2.7	7
25	Study of Lie algebras by using combinatorial structures. Linear Algebra and Its Applications, 2012, 436, 349-363.	0.9	14
26	A computational study of a family of nilpotent Lie algebras. Journal of Supercomputing, 2012, 59, 147-155.	3.6	2
27	Complete triangular structures and Lie algebras. International Journal of Computer Mathematics, 2011, 88, 1839-1851.	1.8	10
28	Computing Matrix Representations of Filiform Lie Algebras. Lecture Notes in Computer Science, 2010, , 61-72.	1.3	0
29	COMPUTING THE LAW OF A FAMILY OF SOLVABLE LIE ALGEBRAS. International Journal of Algebra and Computation, 2009, 19, 337-345.	0.5	5
30	Algorithm to compute the maximal abelian dimension of Lie algebras. Computing (Vienna/New York), 2009, 84, 231-239.	4.8	3
31	Abelian subalgebras in some particular types of Lie algebras. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e401-e408.	1.1	0
32	Lie Theory: Applications to problems in Mathematical Finance and Economics. Applied Mathematics and Computation, 2009, 208, 446-452.	2.2	12
33	An Algorithm to Compute Abelian Subalgebras in Linear Algebras of Upper-Triangular Matrices. , 2009, , .		0
34	The maximal Abelian dimension of linear algebras formed by strictly upper triangular matrices. Theoretical and Mathematical Physics(Russian Federation), 2007, 152, 1225-1233.	0.9	12
35	A method to obtain the lie group associated with a nilpotent lie algebra. Computers and Mathematics With Applications, 2006, 51, 1493-1506.	2.7	5