

Juan NÃ°Ã±ez-ValdÃ©s

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Combinatorial structures associated with Lie algebras of finite dimension. Linear Algebra and Its Applications, 2004, 389, 43-61.	0.9	23
2	Classification of asexual diploid organisms by means of strongly isotopic evolution algebras defined over any field. Journal of Algebra, 2017, 472, 573-593.	0.7	22
3	Mathematical tools for the future: Graph Theory and graphicable algebras. Applied Mathematics and Computation, 2013, 219, 6113-6125.	2.2	15
4	Study of Lie algebras by using combinatorial structures. Linear Algebra and Its Applications, 2012, 436, 349-363.	0.9	14
5	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
6	Lie Theory: Applications to problems in Mathematical Finance and Economics. Applied Mathematics and Computation, 2009, 208, 446-452.	2.2	12
7	A new method for classifying complex filiform Lie algebras. Applied Mathematics and Computation, 2001, 121, 169-175.	2.2	11
8	Complete triangular structures and Lie algebras. International Journal of Computer Mathematics, 2011, 88, 1839-1851.	1.8	10
9	Certain particular families of graphicable algebras. Applied Mathematics and Computation, 2014, 246, 416-425.	2.2	10
10	Algebraic computation of genetic patterns related to three-dimensional evolution algebras. Applied Mathematics and Computation, 2018, 319, 510-517.	2.2	9
11	Algorithmic method to obtain abelian subalgebras and ideals in Lie algebras. International Journal of Computer Mathematics, 2012, 89, 1388-1411.	1.8	8
12	A Historical Perspective of the Theory of Isotopisms. Symmetry, 2018, 10, 322.	2.2	8
13	Finite dimensional evolution algebras and (pseudo)digraphs. Mathematical Methods in the Applied Sciences, 2020, , .	2.3	8
14	A historical perspective of Tian's evolution algebras. , 2022, 40, 819-843.		8
15	Combinatorial structures and Lie algebras of upper triangular matrices. Applied Mathematics Letters, 2012, 25, 514-519.	2.7	7
16	REPRESENTING FILIFORM LIE ALGEBRAS MINIMALLY AND FAITHFULLY BY STRICTLY UPPER-TRIANGULAR MATRICES. Journal of Algebra and Its Applications, 2013, 12, 1250196.	0.4	7
17	Counting and enumerating partial Latin rectangles by means of computer algebra systems and CSP solvers. Mathematical Methods in the Applied Sciences, 2018, 41, 7236-7262.	2.3	7
18	Minimal linear representations of the low-dimensional nilpotent Lie algebras. Mathematica Scandinavica, 2008, 102, 17.	0.2	7

#	ARTICLE	IF	CITATIONS
19	Combinatorial structures of three vertices and Lie algebras. International Journal of Computer Mathematics, 2012, 89, 1879-1900.	1.8	6
20	A computational algebraic geometry approach to enumerate Malcev magma algebras over finite fields. Mathematical Methods in the Applied Sciences, 2016, 39, 4901-4913.	2.3	6
21	Isotopism and Isomorphism Classes of Certain Lie Algebras over Finite Fields. Results in Mathematics, 2017, 71, 167-183.	0.8	6
22	Complex filiform Lie algebras of dimension 11. Applied Mathematics and Computation, 2003, 141, 611-630.	2.2	5
23	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
24	COMPUTING THE LAW OF A FAMILY OF SOLVABLE LIE ALGEBRAS. International Journal of Algebra and Computation, 2009, 19, 337-345.	0.5	5
25	Computation of isotopisms of algebras over finite fields by means of graph invariants. Journal of Computational and Applied Mathematics, 2017, 318, 307-315.	2.0	5
26	Finite-dimensional Leibniz algebras and combinatorial structures. Communications in Contemporary Mathematics, 2018, 20, 1750004.	1.2	5
27	On characteristically nilpotent filiform lie algebras of dimension 9. Communications in Algebra, 1995, 23, 3059-3071.	0.6	4
28	On Contractions of Lie Algebras. Mathematics in Computer Science, 2016, 10, 353-364.	0.4	4
29	Algorithm to compute minimal matrix representation of nilpotent lie algebras. International Journal of Computer Mathematics, 2020, 97, 275-293.	1.8	4
30	Partial Latin Squares Having a Santilli's Autotopism in their Autotopism Groups. Journal of Dynamical Systems and Geometric Theories, 2007, 5, 19-32.	0.2	3
31	Algorithm to compute the maximal abelian dimension of Lie algebras. Computing (Vienna/New York), 2009, 84, 231-239.	4.8	3
32	Maximal Abelian Dimensions in Some Families of Nilpotent Lie Algebras. Algebras and Representation Theory, 2012, 15, 697-713.	0.7	3
33	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
34	Algorithmic method to obtain combinatorial structures associated with Leibniz algebras. Mathematics and Computers in Simulation, 2016, 125, 126-138.	4.4	3
35	New Results in the Classification of Filiform Lie Algebras. Bulletin of the Malaysian Mathematical Sciences Society, 2017, 40, 409-437.	0.9	3
36	An Application of Total-Colored Graphs to Describe Mutations in Non-Mendelian Genetics. Mathematics, 2019, 7, 1068.	2.2	3

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37	The evolution operator of evolution algebras. <i>Linear and Multilinear Algebra</i> , 2022, 70, 4377-4396.	1.0	3
38	A constructive method to determine the variety of filiform Lie algebras. <i>Czechoslovak Mathematical Journal</i> , 2006, 56, 1281-1299.	0.3	2
39	A computational study of a family of nilpotent Lie algebras. <i>Journal of Supercomputing</i> , 2012, 59, 147-155.	3.6	2
40	Isomorphism and Isotopism Classes of Filiform Lie Algebras of Dimension up to Seven Over Finite Fields. <i>Results in Mathematics</i> , 2017, 71, 1151-1166.	0.8	2
41	A New One-Parameter Invariant Function for Algebras. <i>Mathematics in Computer Science</i> , 2018, 12, 143-150.	0.4	2
42	Una semblanza de las primeras mujeres españolas pioneras en el Área científico-técnica. <i>Ciencia Técnica Y Mainstreaming Social</i> , 2019, , 34.	0.2	2
43	Dos máximas y una farmacéutica. Las tres primeras licenciadas en la Universidad de Valencia. <i>Ciencia Técnica Y Mainstreaming Social</i> , 2020, , 113.	0.2	2
44	Infinite graph embeddings on tubular surfaces. <i>Electronic Notes in Discrete Mathematics</i> , 2001, 10, 39-41.	0.4	1
45	Uncountable graphs with all their vertices in one face. <i>Acta Mathematica Hungarica</i> , 2006, 112, 307-313.	0.5	1
46	Graph operations and Lie algebras. <i>International Journal of Computer Mathematics</i> , 2013, 90, 2092-2104.	1.8	1
47	Directed pseudo-graphs and lie algebras over finite fields. <i>Czechoslovak Mathematical Journal</i> , 2014, 64, 229-239.	0.3	1
48	Relations Between Combinatorial Structures and Lie Algebras: Centers and Derived Lie Algebras. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2015, 38, 529-541.	0.9	1
49	Algorithm to compute abelian subalgebras and ideals in Malcev algebras. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 4892-4900.	2.3	1
50	Associating hub-directed multigraphs to arrowhead matrices. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 2360-2369.	2.3	1
51	Minimal faithful upper-triangular matrix representations for solvable Lie algebras. <i>Journal of Computational and Applied Mathematics</i> , 2017, 318, 279-292.	2.0	1
52	Graded contractions of filiform Lie algebras. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 7195-7201.	2.3	1
53	(Pseudo)digraphs and Leibniz algebra isomorphisms. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 7481-7497.	2.3	1
54	Invariant functions and contractions of certain types of Lie algebras of lower dimensions. <i>Journal of Nonlinear Mathematical Physics</i> , 2018, 25, 358.	1.3	1

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55	The Invariant Two-Parameter Function of Algebras \checkmark . Mathematical and Computational Applications, 2019, 24, 89.	1.3	1
56	Using the Evolution Operator to Classify Evolution Algebras. Mathematical and Computational Applications, 2021, 26, 57.	1.3	1
57	Gertrude Belle Elion, Chemist and Pharmacologist, Discoverer of Highly Relevant Active Substances. Foundations, 2022, 2, 443-456.	1.3	1
58	Some Asian Women Pioneers of Chemistry and Pharmacy. Foundations, 2022, 2, 475-487.	1.3	1
59	Classification of metabelian Lie algebras of maximal rank. Comptes Rendus Mathematique, 2001, 332, 969-974.	0.5	0
60	New properties of filiform Lie algebras and its computational processing. Applied Mathematics and Computation, 2002, 130, 53-62.	2.2	0
61	c-Graded filiform Lie algebras. Bulletin of the Brazilian Mathematical Society, 2005, 36, 59-77.	0.8	0
62	The general set in the MCIM Isotopic Model. Bulletin of the Brazilian Mathematical Society, 2005, 36, 187-196.	0.8	0
63	Links among Characteristically Nilpotent, \mathcal{CS} -Graded and Derived Filiform Lie Algebras. Rocky Mountain Journal of Mathematics, 2005, 35, 1081.	0.4	0
64	Abelian subalgebras in some particular types of Lie algebras. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e401-e408.	1.1	0
65	Outer-embeddability in certain pseudosurfaces arising from three spheres. Discrete Mathematics, 2010, 310, 3359-3367.	0.7	0
66	Survey Article: Consequences of some outerplanarity extensions. Rocky Mountain Journal of Mathematics, 2012, 42, .	0.4	0
67	Computational calculus of the law of a family of solvable Lie algebras. Journal of Computational Methods in Sciences and Engineering, 2012, 12, 189-198.	0.2	0
68	Abelian subalgebras on Lie algebras. Communications in Contemporary Mathematics, 2015, 17, 1550050.	1.2	0
69	An approach to the isothory by means of extended pseudoisotopisms. AIP Conference Proceedings, 2016, , .	0.4	0
70	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
71	Classification of Filiform Lie Algebras up to dimension 7 Over Finite Fields. Analele Stiintifice Ale Universitatii Ovidius Constanta, Seria Matematica, 2016, 24, 185-204.	0.3	0
72	Kinematical Lie Algebras and Invariant Functions of Algebras. International Journal for Computational Methods in Engineering Science and Mechanics, 2019, 20, 487-493.	2.1	0

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73	Computational analysis of LED circuits based on partial quasi- ϵ -group rings. Computational and Mathematical Methods, 2019, 1, e1019.	0.8	0
74	Introducing a New Two-Parameter Invariant Function for Algebras. Mathematics in Computer Science, 2021, 15, 33-44.	0.4	0
75	The concept of hierarchy of algebras and graphs. Journal of Applied Mathematics and Computing, 2021, 67, 233-255.	2.5	0
76	Mujeres pioneras de la farmacia española relacionadas con la Comunidad Valenciana. Ciencia Técnica Y Mainstreaming Social, 2021, , 55.	0.2	0
77	Evolution algebras whose evolution operator is a homomorphism. Computational and Mathematical Methods, 0, , e1200.	0.8	0
78	Graphs associated with nilpotent Lie algebras of maximal rank. Revista Matematica Iberoamericana, 2003, 19, 325-338.	0.9	0
79	An Algorithm to Compute Abelian Subalgebras in Linear Algebras of Upper-Triangular Matrices. , 2009, , .		0
80	Computing Matrix Representations of Filiform Lie Algebras. Lecture Notes in Computer Science, 2010, , 61-72.	1.3	0
81	Outerplanarity without accumulation in the cylinder and the Möbius Band. Portugaliae Mathematica, 2013, 70, 1-10.	0.4	0
82	Mujeres del Área científico-técnica pensionadas por la Junta de Ampliación de Estudios. Ciencia Técnica Y Mainstreaming Social, 2022, , 43-55.	0.2	0
83	La farmacéutica Milagro Almenara Pérez, del olvido a su reconocimiento. Ars Pharmaceutica, 2021, 62, 371-378.	0.3	0