Mohamed Elhamdadi

List of Publications by Year
in descending order

41 papers	485 citations	840776 11 h-index	794594 19 g-index
42 all docs	42 docs citations	42 times ranked	110 citing authors

#	Article	IF	Citations
1	Extensions and Crossed Modules of $\varvec{n}$-Lie–Rinehart Algebras. Advances in Applied Clifford Algebras, 2022, 32, .	1.0	1
2	Derivation problem for quandle algebras. International Journal of Algebra and Computation, 2022, 32, 985-1007.	0.5	2
3	Polynomial invariants of singular knots and links. Journal of Knot Theory and Its Ramifications, 2021, 30, 2150003.	0.3	5
4	Heap and ternary self-distributive cohomology. Communications in Algebra, 2021, 49, 2378-2401.	0.6	3
5	Coloring Invariant for Topological Circuits in Folded Linear Chains. Symmetry, 2021, 13, 919.	2.2	4
6	Enhancement of the coloring invariant for folded molecular chains. Journal of Mathematical Physics, 2021, 62, 073501.	1.1	1
7	Cocycle Invariants and Oriented Singular Knots. Mediterranean Journal of Mathematics, 2021, 18, 1.	0.8	5
8	Skein theoretic approach to Yang-Baxter homology. Topology and Its Applications, 2021, 302, 107836.	0.4	3
9	Higher arity self-distributive operations in Cascades and their cohomology. Journal of Algebra and Its Applications, 2021, 20, 2150116.	0.4	5
10	Singquandles, psyquandles, and singular knots: A survey. Journal of Knot Theory and Its Ramifications, 2021, 30, .	0.3	1
11	Framed Knots. Mathematical Intelligencer, 2020, 42, 7-22.	0.2	2
12	Knot theory for proteins: Gauss codes, quandles and bondles. Journal of Mathematical Chemistry, 2020, 58, 1711-1736.	1.5	7
13	A Survey of Racks and Quandles: Some Recent Developments. Algebra Colloquium, 2020, 27, 509-522.	0.2	0
14	Continuous cohomology of topological quandles. Journal of Knot Theory and Its Ramifications, 2019, 28, 1950036.	0.3	1
15	Ring theoretic aspects of quandles. Journal of Algebra, 2019, 526, 166-187.	0.7	13
16	The cocycle structure of the Alexander f-quandles on finite fields. Journal of Algebra and Its Applications, 2018, 17, 1850190.	0.4	1
17	Singular knots and involutive quandles. Journal of Knot Theory and Its Ramifications, 2018, 27, 1892001.	0.3	2
18	Generating sets of Reidemeister moves of oriented singular links and quandles. Journal of Knot Theory and Its Ramifications, 2018, 27, 1850064.	0.3	20

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19	Twist regions and coefficients stability of the colored Jones polynomial. Transactions of the American Mathematical Society, 2018, 370, 5155-5177.	0.9	3
20	Finitely stable racks and rack representations. Communications in Algebra, 2018, 46, 4787-4802.	0.6	5
21	Quasi-trivial quandles and biquandles, cocycle enhancements and link-homotopy of pretzel links. Journal of Knot Theory and Its Ramifications, 2018, 27, 1843007.	0.3	1
22	Ternary and n-ary f-distributive structures. Open Mathematics, 2018, 16, 32-45.	1.0	3
23	On the classification of topological quandles. Topology and Its Applications, 2018, 248, 64-74.	0.4	2
24	f-Racks, f-quandles, their extensions and cohomology. Journal of Algebra and Its Applications, 2017, 16, 1750215.	0.4	3
25	Singular knots and involutive quandles. Journal of Knot Theory and Its Ramifications, 2017, 26, 1750099.	0.3	14
26	Foundations of topological racks and quandles. Journal of Knot Theory and Its Ramifications, 2016, 25, 1640002.	0.3	11
27	Ternary Distributive Structures and Quandles. Kyungpook Mathematical Journal, 2016, 56, 1-27.	0.3	6
28	Augmented biracks and their homology. International Journal of Mathematics, 2014, 25, 1450087.	0.5	16
29	Quandle colorings of knots and applications. Journal of Knot Theory and Its Ramifications, 2014, 23, 1450035.	0.3	29
30	Distributivity in Quandles and Quasigroups. Springer Proceedings in Mathematics and Statistics, 2014, , 325-340.	0.2	2
31	AUTOMORPHISM GROUPS OF QUANDLES. Journal of Algebra and Its Applications, 2012, 11, 1250008.	0.4	26
32	Cohomology and Formal Deformations of Alternative Algebras. Journal of Generalized Lie Theory and Applications, 2011, 5, 1-10.	0.1	7
33	VIRTUAL KNOT INVARIANTS FROM GROUP BIQUANDLES AND THEIR COCYCLES. Journal of Knot Theory and Its Ramifications, 2009, 18, 957-972.	0.3	14
34	Tangle Embeddings and Quandle Cocycle Invariants. Experimental Mathematics, 2008, 17, 487-497.	0.7	6
35	COHOMOLOGY OF FROBENIUS ALGEBRAS AND THE YANG-BAXTER EQUATION. Communications in Contemporary Mathematics, 2008, 10, 791-814.	1.2	10
36	Cohomology of the adjoint of Hopf algebras. Journal of Generalized Lie Theory and Applications, 2008, 2, 19-34.	0.1	12

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37	Extensions of Quandles and Cocycle Knot Invariants. Journal of Knot Theory and Its Ramifications, 2003, 12, 725-738.	0.3	42
38	On the Steenrod operations in cyclic cohomology. International Journal of Mathematics and Mathematical Sciences, 2003, 2003, 4539-4545.	0.7	1
39	Twisted quandle homology theory and cocycle knot invariants. Algebraic and Geometric Topology, 2002, 2, 95-135.	0.4	39
40	Homology theory for the set-theoretic Yang–Baxter equation and knot invariants from generalizations of quandles. Fundamenta Mathematicae, 0, 184, 31-54.	0.5	80
41	Q-Series and quantum spin networks. Journal of Topology and Analysis, 0, , 1-19.	0.5	0