

# Mohamed Elhamdadi

## List of Publications by Year in descending order

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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	Homology theory for the set-theoretic Yang-Baxter equation and knot invariants from generalizations of quandles. <i>Fundamenta Mathematicae</i> , 0, 184, 31-54.	0.5	80
2	Extensions of Quandles and Cocycle Knot Invariants. <i>Journal of Knot Theory and Its Ramifications</i> , 2003, 12, 725-738.	0.3	42
3	Twisted quandle homology theory and cocycle knot invariants. <i>Algebraic and Geometric Topology</i> , 2002, 2, 95-135.	0.4	39
4	Quandle colorings of knots and applications. <i>Journal of Knot Theory and Its Ramifications</i> , 2014, 23, 1450035.	0.3	29
5	AUTOMORPHISM GROUPS OF QUANDLES. <i>Journal of Algebra and Its Applications</i> , 2012, 11, 1250008.	0.4	26
6	Generating sets of Reidemeister moves of oriented singular links and quandles. <i>Journal of Knot Theory and Its Ramifications</i> , 2018, 27, 1850064.	0.3	20
7	Augmented biracks and their homology. <i>International Journal of Mathematics</i> , 2014, 25, 1450087.	0.5	16
8	VIRTUAL KNOT INVARIANTS FROM GROUP BIQUANDLES AND THEIR COCYCLES. <i>Journal of Knot Theory and Its Ramifications</i> , 2009, 18, 957-972.	0.3	14
9	Singular knots and involutive quandles. <i>Journal of Knot Theory and Its Ramifications</i> , 2017, 26, 1750099.	0.3	14
10	Ring theoretic aspects of quandles. <i>Journal of Algebra</i> , 2019, 526, 166-187.	0.7	13
11	Cohomology of the adjoint of Hopf algebras. <i>Journal of Generalized Lie Theory and Applications</i> , 2008, 2, 19-34.	0.1	12
12	Foundations of topological racks and quandles. <i>Journal of Knot Theory and Its Ramifications</i> , 2016, 25, 1640002.	0.3	11
13	COHOMOLOGY OF FROBENIUS ALGEBRAS AND THE YANG-BAXTER EQUATION. <i>Communications in Contemporary Mathematics</i> , 2008, 10, 791-814.	1.2	10
14	Knot theory for proteins: Gauss codes, quandles and bundles. <i>Journal of Mathematical Chemistry</i> , 2020, 58, 1711-1736.	1.5	7
15	Cohomology and Formal Deformations of Alternative Algebras. <i>Journal of Generalized Lie Theory and Applications</i> , 2011, 5, 1-10.	0.1	7
16	Tangle Embeddings and Quandle Cocycle Invariants. <i>Experimental Mathematics</i> , 2008, 17, 487-497.	0.7	6
17	Ternary Distributive Structures and Quandles. <i>Kyungpook Mathematical Journal</i> , 2016, 56, 1-27.	0.3	6
18	Finitely stable racks and rack representations. <i>Communications in Algebra</i> , 2018, 46, 4787-4802.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Polynomial invariants of singular knots and links. <i>Journal of Knot Theory and Its Ramifications</i> , 2021, 30, 2150003.	0.3	5
20	Cocycle Invariants and Oriented Singular Knots. <i>Mediterranean Journal of Mathematics</i> , 2021, 18, 1.	0.8	5
21	Higher arity self-distributive operations in Cascades and their cohomology. <i>Journal of Algebra and Its Applications</i> , 2021, 20, 2150116.	0.4	5
22	Coloring Invariant for Topological Circuits in Folded Linear Chains. <i>Symmetry</i> , 2021, 13, 919.	2.2	4
23	f-Racks, f-quandles, their extensions and cohomology. <i>Journal of Algebra and Its Applications</i> , 2017, 16, 1750215.	0.4	3
24	Twist regions and coefficients stability of the colored Jones polynomial. <i>Transactions of the American Mathematical Society</i> , 2018, 370, 5155-5177.	0.9	3
25	Ternary and n-ary f-distributive structures. <i>Open Mathematics</i> , 2018, 16, 32-45.	1.0	3
26	Heap and ternary self-distributive cohomology. <i>Communications in Algebra</i> , 2021, 49, 2378-2401.	0.6	3
27	Skein theoretic approach to Yang-Baxter homology. <i>Topology and Its Applications</i> , 2021, 302, 107836.	0.4	3
28	Singular knots and involutive quandles. <i>Journal of Knot Theory and Its Ramifications</i> , 2018, 27, 1892001.	0.3	2
29	On the classification of topological quandles. <i>Topology and Its Applications</i> , 2018, 248, 64-74.	0.4	2
30	Framed Knots. <i>Mathematical Intelligencer</i> , 2020, 42, 7-22.	0.2	2
31	Distributivity in Quandles and Quasigroups. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014, 325-340.	0.2	2
32	Derivation problem for quandle algebras. <i>International Journal of Algebra and Computation</i> , 2022, 32, 985-1007.	0.5	2
33	On the Steenrod operations in cyclic cohomology. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2003, 2003, 4539-4545.	0.7	1
34	The cocycle structure of the Alexander f-quandles on finite fields. <i>Journal of Algebra and Its Applications</i> , 2018, 17, 1850190.	0.4	1
35	Quasi-trivial quandles and biquandles, cocycle enhancements and link-homotopy of pretzel links. <i>Journal of Knot Theory and Its Ramifications</i> , 2018, 27, 1843007.	0.3	1
36	Continuous cohomology of topological quandles. <i>Journal of Knot Theory and Its Ramifications</i> , 2019, 28, 1950036.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Enhancement of the coloring invariant for folded molecular chains. Journal of Mathematical Physics, 2021, 62, 073501.	1.1	1
38	Singquandles, psyquandles, and singular knots: A survey. Journal of Knot Theory and Its Ramifications, 2021, 30, .	0.3	1
39	Extensions and Crossed Modules of $\mathbb{Z}^n$ -Lie Rinehart Algebras. Advances in Applied Clifford Algebras, 2022, 32, .	1.0	1
40	Q-Series and quantum spin networks. Journal of Topology and Analysis, 0, , 1-19.	0.5	0
41	A Survey of Racks and Quandles: Some Recent Developments. Algebra Colloquium, 2020, 27, 509-522.	0.2	0