

Gábor Ivanyos

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

621
citations

623734

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713466

21
g-index

47
all docs

47
docs citations

47
times ranked

185
citing authors

#	ARTICLE	IF	CITATIONS
1	Hidden translation and orbit coset in quantum computing. , 2003, , .		71
2	Non-commutative Edmonds's problem and matrix semi-invariants. Computational Complexity, 2017, 26, 717-763.	0.3	44
3	EFFICIENT QUANTUM ALGORITHMS FOR SOME INSTANCES OF THE NON-ABELIAN HIDDEN SUBGROUP PROBLEM. International Journal of Foundations of Computer Science, 2003, 14, 723-739.	1.1	42
4	Deterministic Polynomial Time Algorithms for Matrix Completion Problems. SIAM Journal on Computing, 2010, 39, 3736-3751.	1.0	30
5	Finding maximal orders in semisimple algebras over \mathbb{Q} . Computational Complexity, 1993, 3, 245-261.	0.3	28
6	Constructive non-commutative rank computation is in deterministic polynomial time. Computational Complexity, 2018, 27, 561-593.	0.3	28
7	An Efficient Quantum Algorithm for the Hidden Subgroup Problem in Nil-2 Groups. Lecture Notes in Computer Science, 2008, , 759-771.	1.3	28
8	Polynomial time algorithms for modules over finite dimensional algebras. , 1997, , .		25
9	Finding the radical of an algebra of linear transformations. Journal of Pure and Applied Algebra, 1997, 117-118, 177-193.	0.6	24
10	Treating the Exceptional Cases of the MeatAxe. Experimental Mathematics, 2000, 9, 373-381.	0.7	22
11	Splitting full matrix algebras over algebraic number fields. Journal of Algebra, 2012, 354, 211-223.	0.7	21
12	Quantum computation of discrete logarithms in semigroups. Journal of Mathematical Cryptology, 2014, 8, 405-416.	0.7	18
13	Root shadow spaces. European Journal of Combinatorics, 2007, 28, 1419-1441.	0.8	17
14	Root filtration spaces from Lie algebras and abstract root groups. Journal of Algebra, 2006, 300, 433-454.	0.7	16
15	Simple Lie algebras having extremal elements. Indagationes Mathematicae, 2008, 19, 177-188.	0.4	16
16	On the Black-Box Complexity of Sperner's Lemma. Lecture Notes in Computer Science, 2005, , 245-257.	1.3	16
17	Hidden Translation and Translating Coset in Quantum Computing. SIAM Journal on Computing, 2014, 43, 1-24.	1.0	15
18	Generalized Wong sequences and their applications to Edmonds' problems. Journal of Computer and System Sciences, 2015, 81, 1373-1386.	1.2	14

#	ARTICLE	IF	CITATIONS
37	On the Black-Box Complexity of Sperner's Lemma. Theory of Computing Systems, 2009, 45, 629-646.	1.1	2
38	Solving systems of diagonal polynomial equations over finite fields. Theoretical Computer Science, 2017, 657, 73-85.	0.9	2
39	Finding hidden Borel subgroups of the general linear group. Quantum Information and Computation, 2012, 12, 661-669.	0.3	2
40	On the distance between non-isomorphic groups. European Journal of Combinatorics, 2012, 33, 474-476.	0.8	1
41	Algorithms based on *-algebras, and their applications to isomorphism of polynomials with one secret, group isomorphism, and polynomial identity testing. , 2018, , 2357-2376.		1
42	On Solving Systems of Diagonal Polynomial Equations Over Finite Fields. Lecture Notes in Computer Science, 2015, , 125-137.	1.3	1
43	Deciding universality of quantum gates. Journal of Algebra, 2007, 310, 49-56.	0.7	0
44	Irreducibility and Deterministic r-th Root Finding over Finite Fields. , 2017, , .		0
45	An Efficient Quantum Algorithm for Finding Hidden Parabolic Subgroups in the General Linear Group. Lecture Notes in Computer Science, 2014, , 226-238.	1.3	0