Delaram Kahrobaei

List of Publications by Year
in descending order

		1163117	996975
44 papers	326 citations	8 h-index	15 g-index
45 all docs	45 docs citations	45 times ranked	212 citing authors

#	Article	IF	Citations
1	Public key exchange using matrices over group rings. Groups, Complexity, Cryptology, 2013, 5, .	0.3	46
2	Private naive bayes classification of personal biomedical data: Application in cancer data analysis. Computers in Biology and Medicine, 2019, 105, 144-150.	7.0	39
3	Efficient and Secure Delegation of Group Exponentiation to a Single Server. Lecture Notes in Computer Science, 2015, , 156-173.	1.3	24
4	Public Key Exchange Using Semidirect Product of (Semi)Groups. Lecture Notes in Computer Science, 2013, , 475-486.	1.3	23
5	Practical and Secure Outsourcing of Discrete Log Group Exponentiation to a Single Malicious Server. , 2017, , .		13
6	The status of polycyclic group-based cryptography: A survey and open problems. Groups, Complexity, Cryptology, 2016, 8, .	0.3	10
7	Deep Convolutional Neural Networks for left ventricle segmentation. , 2017, 2017, 668-671.		10
8	A closer look at the tropical cryptography. International Journal of Computer Mathematics: Computer Systems Theory, 2021, 6, 137-142.	1.1	10
9	NIS05-6: A Non-Commutative Generalization of ElGamal Key Exchange using Polycyclic Groups. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	9
10	The true prosoluble completion of a group: Examples and open problems. Geometriae Dedicata, 2007, 124, 5-26.	0.3	9
11	Non-commutative digital signatures. Groups, Complexity, Cryptology, 2012, 4, .	0.3	9
12	Classification of embeddings of abelian extensions of into. Journal of Pure and Applied Algebra, 2013, 217, 1942-1954.	0.6	8
13	Using Semidirect Product of (Semi)groups in Public Key Cryptography. Lecture Notes in Computer Science, 2016, , 132-141.	1.3	8
14	Secure Delegation to a Single Malicious Server: Exponentiation in RSA-type Groups. , 2019, , .		8
15	Length-based attacks in polycyclic groups. Journal of Mathematical Cryptology, 2015, 9, 33-43.	0.7	7
16	Computing multiple exponentiations in discrete log and RSA groups: From batch verification to batch delegation. , 2017, , .		7
17	Algorithmic problems in right-angled Artin groups: Complexity and applications. Journal of Algebra, 2019, 519, 111-129.	0.7	7
18	Decision and Search in Non-Abelian Cramer-Shoup Public Key Cryptosystem. Groups, Complexity, Cryptology, 2009, 1, .	0.3	6

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19	Growth rate of an endomorphism of a group. Groups, Complexity, Cryptology, 2011, 3, .	0.3	6
20	Efficient and Secure Delegation to a Single Malicious Server: Exponentiation over Non-abelian Groups. Lecture Notes in Computer Science, 2018, , 137-146.	1.3	6
21	On the Residual Solvability of Generalized Free Products of Finitely Generated Nilpotent Groups. Communications in Algebra, 2011, 39, 647-656.	0.6	5
22	Fully Automated Spleen Localization And Segmentation Using Machine Learning And 3D Active Contours. , 2018, 2018, 53-56.		5
23	Private-Key Fully Homomorphic Encryption for Private Classification. Lecture Notes in Computer Science, 2018, , 475-481.	1.3	5
24	Solving the Conjugacy Decision Problem via Machine Learning. Experimental Mathematics, 2020, 29, 66-78.	0.7	5
25	Secure and Efficient Delegation of Elliptic-Curve Pairing. Lecture Notes in Computer Science, 2020, , 45-66.	1.3	5
26	A family of polycyclic groups over which the uniform conjugacy problem is NP-complete. International Journal of Algebra and Computation, 2014, 24, 515-530.	0.5	4
27	Efficient and Secure Delegation of Exponentiation in General Groups to a Single Malicious Server. Mathematics in Computer Science, 2020, 14, 641-656.	0.4	4
28	Secure and Efficient Delegation ofÂPairings with Online Inputs. Lecture Notes in Computer Science, 2021, , 84-99.	1.3	4
29	The Hidden Subgroup Problem and Post-quantum Group-Based Cryptography. Lecture Notes in Computer Science, 2018, , 218-226.	1.3	4
30	Algorithmic recognition of infinite cyclic extensions. Journal of Pure and Applied Algebra, 2017, 221, 2157-2179.	0.6	3
31	Single-Server Delegation of Ring Multiplications from Quasilinear-time Clients. , 2021, , .		3
32	ON THE CONJUGACY PROBLEM IN CERTAIN METABELIAN GROUPS. Glasgow Mathematical Journal, 2019, 61, 251-269.	0.3	2
33	A cryptographic application of the Thurston norm. International Journal of Computer Mathematics: Computer Systems Theory, 2020, 5, 15-24.	1.1	2
34	An algebraic characterization of ?â€"colorability. Proceedings of the American Mathematical Society, 2021, 149, 2249-2255.	0.8	2
35	A Survey onÂDelegated Computation. Lecture Notes in Computer Science, 2022, , 33-53.	1.3	2
36	On the dimension of matrix representations of finitely generated torsion free nilpotent groups. Groups, Complexity, Cryptology, 2013, 5, .	0.3	1

#	Article	IF	Citations
37	Heisenberg Groups as Platform for the AAG Key-Exchange Protocol. , 2014, , .		1
38	Practical private-key fully homomorphic encryption in rings. Groups, Complexity, Cryptology, 2018, .	0.3	1
39	Some applications of arithmetic groups in cryptography. Groups, Complexity, Cryptology, 2019, 11, 25-33.	0.3	1
40	Hamiltonicity via cohomology of right-angled Artin groups. Linear Algebra and Its Applications, 2021, 631, 94-110.	0.9	1
41	Doubles of Residually Solvable Groups. , 2008, , .		1
42	A note on fully homomorphic encryption of real-life data. International Journal of Computer Mathematics: Computer Systems Theory, 2021, 6, 381-385.	1.1	0
43	Quadratic Time Algorithm for Inversion of Binary Permutation Polynomials. Lecture Notes in Computer Science, 2018, , 19-27.	1.3	0
44	A closer look at the multilinear cryptography using nilpotent groups. International Journal of Computer Mathematics: Computer Systems Theory, 0, , 1-5.	1.1	0