Morteza Nikooghadam

List of Publications by Year
in descending order

48 papers	1,399 citations	279701 23 h-index	330025 37 g-index
48 all docs	48 docs citations	48 times ranked	1019 citing authors

#	Article	IF	Citations
1	Robust session key generation protocol for social internet of vehicles with enhanced security provision. Journal of Supercomputing, 2021, 77, 2511-2544.	2.4	4
2	Security-enhanced three-party pairwise secret key agreement protocol for fog-based vehicular ad-hoc communications. Vehicular Communications, 2021, 28, 100306.	2.7	22
3	Novel certificateless Chebyshev chaotic map-based key agreement protocol for advanced metering infrastructure. Journal of Supercomputing, 2021, 77, 8082-8110.	2.4	7
4	Novel Anonymous Key Establishment Protocol for Isolated Smart Meters. IEEE Transactions on Industrial Electronics, 2020, 67, 2844-2851.	5.2	34
5	A lightweight key management protocol for secure communication in smart grids. Electric Power Systems Research, 2020, 178, 106024.	2.1	29
6	A Secure and Efficient Key Establishment Scheme for Communications of Smart Meters and Service Providers in Smart Grid. IEEE Transactions on Industrial Informatics, 2020, 16, 1495-1502.	7.2	37
7	Efficient Provably-Secure Dynamic ID-Based Authenticated Key Agreement Scheme with Enhanced Security Provision. IEEE Transactions on Dependable and Secure Computing, 2020, , 1-1.	3.7	13
8	Provably Secure Escrow-Less Chebyshev Chaotic Map-Based Key Agreement Protocol for Vehicle to Grid Connections With Privacy Protection. IEEE Transactions on Industrial Informatics, 2020, 16, 7287-7294.	7.2	36
9	Efficient provably-secure privacy-preserving signature-based key establishment protocol. Ad Hoc Networks, 2020, 100, 102062.	3.4	8
10	An anonymous and secure key agreement protocol for NFC applications using pseudonym. Wireless Networks, 2020, 26, 4269-4285.	2.0	5
11	Novel chaotic mapâ€based privacyâ€preserving authenticated key agreement scheme without the electricity service provider involvement. Security and Privacy, 2019, 2, e74.	1.9	3
12	Efficient utilization of elliptic curve cryptography in design of a three-factor authentication protocol for satellite communications. Computer Communications, 2019, 147, 85-97.	3.1	27
13	LSPP: Lightweight and Secure Payment Protocol for Dynamic Wireless Charging of Electric Vehicles in Vehicular Cloud. IEEE Access, 2019, 7, 148424-148438.	2.6	13
14	Three party secure data transmission in IoT networks through design of a lightweight authenticated key agreement scheme. Future Generation Computer Systems, 2019, 100, 882-892.	4.9	75
15	Design of a lightweight and anonymous authenticated key agreement protocol for wireless body area networks. International Journal of Communication Systems, 2019, 32, e3974.	1.6	28
16	More efficient key establishment protocol for smart grid communications: Design and experimental evaluation on ARM-based hardware. Ad Hoc Networks, 2019, 89, 119-131.	3.4	6
17	An enhanced anonymous and unlinkable user authentication and key agreement protocol for <scp>TMIS</scp> by utilization of <scp>ECC</scp>. International Journal of Communication Systems, 2019, 32, e3913.	1.6	32
18	Efficient privacyâ€preserving authentication scheme for roaming consumer in global mobility networks. International Journal of Communication Systems, 2019, 32, e3904.	1.6	13

#	Article	IF	Citations
19	A Robust and Efficient ECC-based Mutual Authentication and Session Key Generation Scheme for Healthcare Applications. Journal of Medical Systems, 2019, 43, 10.	2.2	60
20	SeCARA: A security and cost-aware resource allocation method for mobile cloudlet systems. Ad Hoc Networks, 2019, 86, 103-118.	3.4	11
21	Perfect forward secrecy in VoIP networks through design a lightweight and secure authenticated communication scheme. Multimedia Tools and Applications, 2019, 78, 11129-11153.	2.6	12
22	An Anonymous ECC-Based Self-Certified Key Distribution Scheme for the Smart Grid. IEEE Transactions on Industrial Electronics, 2018, 65, 7996-8004.	5.2	125
23	Efficient Anonymous Password-Authenticated Key Exchange Protocol to Read Isolated Smart Meters by Utilization of Extended Chebyshev Chaotic Maps. IEEE Transactions on Industrial Informatics, 2018, , 1-1.	7.2	54
24	Design and hardware implementation of a security-enhanced elliptic curve cryptography based lightweight authentication scheme for smart grid communications. Future Generation Computer Systems, 2018, 84, 47-57.	4.9	96
25	Efficient design and hardware implementation of a secure communication scheme for smart grid. International Journal of Communication Systems, 2018, 31, e3575.	1.6	6
26	Design and extensive hardware performance analysis of an efficient pairwise key generation scheme for Smart Grid. International Journal of Communication Systems, 2018, 31, e3507.	1.6	19
27	Design of an enhanced message authentication scheme for smart grid and its performance analysis on an ARM Cortex-M3 microcontroller. Journal of Information Security and Applications, 2018, 40, 9-19.	1.8	10
28	Efficient Design of a Novel ECC-Based Public Key Scheme for Medical Data Protection by Utilization of NanoPi Fire. IEEE Transactions on Reliability, 2018, 67, 1328-1339.	3.5	33
29	Efficient design and extensive hardware evaluation of an anonymous data aggregation scheme for smart grid. Security and Privacy, 2018, 1, e24.	1.9	3
30	Design and microcontrollerâ€based hardware performance analysis of a securityâ€enhanced lightweight communication scheme for smart grid. Security and Privacy, 2018, 1, e34.	1.9	4
31	An Ultra-Lightweight and Secure Scheme for Communications of Smart Meters and Neighborhood Gateways by Utilization of an ARM Cortex-M Microcontroller. IEEE Transactions on Smart Grid, 2018, 9, 6194-6205.	6.2	31
32	A novel encryption scheme for colored image based on high level chaotic maps. Multimedia Tools and Applications, 2017, 76, 607-629.	2.6	78
33	Design and FPGA implementation of an efficient security mechanism for mobile payâ€TV systems. International Journal of Communication Systems, 2017, 30, e3305.	1.6	6
34	A lightweight authentication and key agreement protocol preserving user anonymity. Multimedia Tools and Applications, 2017, 76, 13401-13423.	2.6	46
35	Dynamic prioritization and cell fixation placement algorithm based on simulated annealing. , 2017, , .		0
36	An efficient and secure authentication and key agreement scheme for session initiation protocol using ECC. Multimedia Tools and Applications, 2016, 75, 181-197.	2.6	80

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37	On the Security of a Two-Factor Authentication and Key Agreement Scheme for Telecare Medicine Information Systems. Journal of Medical Systems, 2015, 39, 76.	2.2	33
38	Security analysis and improvement of two authentication and key agreement schemes for session initiation protocol. Journal of Supercomputing, 2015, 71, 3163-3180.	2.4	26
39	A Secure Biometrics Based Authentication with Key Agreement Scheme in Telemedicine Networks for E-Health Services. Wireless Personal Communications, 2015, 83, 2439-2461.	1.8	56
40	Three-Factor Anonymous Authentication and Key Agreement Scheme for Telecare Medicine Information Systems. Journal of Medical Systems, 2014, 38, 136.	2.2	106
41	Secure Transmission of Mobile Agent in Dynamic Distributed Environments. Wireless Personal Communications, 2013, 70, 641-656.	1.8	9
42	Utilization of Pipeline Technique in AOP Based Multipliers with Parallel Inputs. Journal of Signal Processing Systems, 2013, 72, 57-62.	1.4	1
43	Low-power and high-speed design of a versatile bit-serial multiplier in finite fields GF(2). The Integration VLSI Journal, 2013, 46, 211-217.	1.3	26
44	Secure Communication of Medical Information Using Mobile Agents. Journal of Medical Systems, 2012, 36, 3839-3850.	2.2	23
45	Efficient utilization of elliptic curve cryptosystem for hierarchical access control. Journal of Systems and Software, 2010, 83, 1917-1929.	3.3	36
46	An efficient key management scheme for mobile agents in distributed networks. , 2010, , .		4
47	A Versatile Reconfigurable Bit-Serial Multiplier Architecture in Finite Fields GF(2m). Communications in Computer and Information Science, 2008, , 227-234.	0.4	4
48	A Protocol for Digital Signature Based on the Elliptic Curve Discrete Logarithm Problem. Journal of Applied Sciences, 2008, 8, 1919-1925.	0.1	9