Hamid Barati

List of Publications by Year
in descending order

39 papers	**834** citations	430843 **18** h-index	526264 **27** g-index
42 all docs	**42** docs citations	**42** times ranked	**339** citing authors

#	Article	IF	Citations
1	Dynamic key management algorithms in wireless sensor networks: A survey. Computer Communications, 2019, 134, 52-69.	5.1	66
2	Secure data aggregation methods and countermeasures against various attacks in wireless sensor networks: A comprehensive review. Journal of Network and Computer Applications, 2021, 190, 103118.	9.1	58
3	An efficient and secure RFID authentication protocol using elliptic curve cryptography. Wireless Networks, 2019, 25, 415-428.	3.0	50
4	A hierarchical secure data aggregation method using the dragonfly algorithm in wireless sensor networks. Peer-to-Peer Networking and Applications, 2021, 14, 1917-1942.	3.9	48
5	RMRPTS: a reliable multi-level routing protocol with tabu search in VANET. Telecommunication Systems, 2017, 65, 127-137.	2.5	45
6	SHSDA: secure hybrid structure data aggregation method in wireless sensor networks. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10769-10788.	4.9	42
7	Multipath routing through the firefly algorithm and fuzzy logic in wireless sensor networks. Peer-to-Peer Networking and Applications, 2021, 14, 541-558.	3.9	41
8	DSKMS: a dynamic smart key management system based on fuzzy logic in wireless sensor networks. Wireless Networks, 2020, 26, 2515-2535.	3.0	38
9	EGRPM: Energy efficient geographic routing protocol based on mobile sink in wireless sensor networks. Sustainable Computing: Informatics and Systems, 2020, 25, 100377.	2.2	37
10	A reliable tree-based data aggregation method in wireless sensor networks. Peer-to-Peer Networking and Applications, 2021, 14, 873-887.	3.9	36
11	An energy-aware clustering and two-level routing method in wireless sensor networks. Computing (Vienna/New York), 2020, 102, 1653-1671.	4.8	34
12	A method for routing and data aggregating in clusterâ€based wireless sensor networks. International Journal of Communication Systems, 2021, 34, e4754.	2.5	33
13	EELRP: energy efficient layered routing protocol in wireless sensor networks. Computing (Vienna/New) Tj ETQq1 1 0.784314 rgBT /Over|	4.8	32
14	EACHP: Energy Aware Clustering Hierarchy Protocol for Large Scale Wireless Sensor Networks. Wireless Personal Communications, 2015, 85, 765-789.	2.7	27
15	CGC: centralized genetic-based clustering protocol for wireless sensor networks using onion approach. Telecommunication Systems, 2016, 62, 657-674.	2.5	24
16	Distributed energy efficient algorithm for ensuring coverage of wireless sensor networks. IET Communications, 2019, 13, 578-584.	2.2	24
17	Congestion-Aware Routing and Fuzzy-based Rate Controller for Wireless Sensor Networks. Radioengineering, 2016, 25, 114-123.	0.6	22
18	Cluster based routing method using mobile sinks in wireless sensor network. International Journal of Electronics, 2023, 110, 360-372.	1.4	21

#	Article	IF	Citations
19	A distributed energy-efficient approach for hole repair in wireless sensor networks. Wireless Networks, 2020, 26, 1839-1855.	3.0	19
20	A hierarchical key management and authentication method for wireless sensor networks. International Journal of Communication Systems, 2022, 35, .	2.5	15
21	A secure three-factor authentication scheme for IoT environments. Journal of Parallel and Distributed Computing, 2022, 169, 87-105.	4.1	14
22	An efficient gray system theory-based routing protocol for energy consumption management in the Internet of Things using fog and cloud computing. Computing (Vienna/New York), 2022, 104, 1307-1335.	4.8	13
23	A two-level clustering based on fuzzy logic and content-based routing method in the internet of things. Peer-to-Peer Networking and Applications, 2022, 15, 2142-2159.	3.9	13
24	An overlapping routing approach for sending data from things to the cloud inspired by fog technology in the large-scale IoT ecosystem. Wireless Networks, 2022, 28, 521-538.	3.0	11
25	3DEOR: an opportunity routing protocol using evidence theory appropriate for 3D urban environments in VANETs. IET Communications, 2020, 14, 4022-4028.	2.2	10
26	A hierarchical key management method for wireless sensor networks. Microprocessors and Microsystems, 2022, 90, 104489.	2.8	10
27	Key Management Mechanisms in Wireless Sensor Networks. , 2008, , .		9
28	A centralized evolutionary clustering protocol for wireless sensor networks. , 2015, , .		8
29	Improving Fault Tolerance in Ad-Hoc Networks by Using Residue Number System. Journal of Applied Sciences, 2008, 8, 3273-3278.	0.3	7
30	HDRM: A hole detection and recovery method in wireless sensor network. International Journal of Communication Systems, 2022, 35, .	2.5	5
31	Priority-based congestion control mechanism for wireless sensor networks using fuzzy logic. , 2015, , .		4
32	A multiâ€level routing method in vehicular ad hoc networks using unnamed aerial vehicle nodes. International Journal of Communication Systems, 2021, 34, e4923.	2.5	4
33	Decreasing Overhead and Power Consuming in Ad-Hoc Networks by Proposal a Novel Routing Algorithm. Journal of Computer Science, 2008, 4, 427-436.	0.6	3
34	Security Improvement in Mobile Banking Using Hybrid Authentication. , 2019, , .		3
35	A wrapper method based on a modified two-step league championship algorithm for detecting botnets in IoT environments. Computing (Vienna/New York), 0, , 1.	4.8	3
36	A distributed energy-efficient coverage holes detection and recovery method in wireless sensor networks using the grasshopper optimization algorithm. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 13697-13711.	4.9	3

#	Article	IF	Citations
37	Routing Algorithms Study and Comparing in Interconnection Networks. , 2008, , .		1
38	A hierarchical congestion control method in clustered internet of things. Journal of Supercomputing, 2022, 78, 11830-11855.	3.6	1
39	Notice of Violation of IEEE Publication Principles - A New Automatic Clustering Algorithm via Deadline Timer for Wireless Ad-hoc Sensor Networks. , 2008, , .		0