

Ilyong Chung

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

682
citations

687363

13
h-index

610901

24
g-index

34
all docs

34
docs citations

34
times ranked

653
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced secure sensor association and key management in wireless body area networks. Journal of Communications and Networks, 2015, 17, 453-462.	2.6	120
2	Secure Authentication and Key Management With Blockchain in VANETs. IEEE Access, 2020, 8, 2482-2498.	4.2	76
3	Identity-based key agreement protocol employing a symmetric balanced incomplete block design. Journal of Communications and Networks, 2012, 14, 682-691.	2.6	60
4	A Secure and Efficient Certificateless Authentication Scheme With Unsupervised Anomaly Detection in VANETs. IEEE Access, 2018, 6, 74260-74276.	4.2	44
5	Secure Authentication and Group Key Distribution Scheme for WBANs Based on Smartphone ECG Sensor. IEEE Access, 2019, 7, 151459-151474.	4.2	34
6	Comments on "Dual Authentication and Key Management Techniques for Secure Data Transmission in Vehicular Ad Hoc Networks". IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2149-2151.	8.0	33
7	A Secure and Efficient Group Key Management Protocol with Cooperative Sensor Association in WBANs. Sensors, 2018, 18, 3930.	3.8	30
8	Secure Certificateless Authentication and Road Message Dissemination Protocol in VANETs. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.	1.2	30
9	A multipath AODV routing protocol in mobile ad hoc networks with SINR-based route selection. , 2008, , .		29
10	Vertex-Based Multihop Vehicle-to-Infrastructure Routing for Vehicular Ad Hoc Networks. , 2010, , .		24
11	Comment: "Enhanced novel access control protocol over wireless sensor networks". IEEE Transactions on Consumer Electronics, 2010, 56, 2019-2021.	3.6	20
12	Secure D2D Group Authentication Employing Smartphone Sensor Behavior Analysis. Symmetry, 2019, 11, 969.	2.2	19
13	Hierarchically Authorized Transactions for Massive Internet-of-Things Data Sharing Based on Multilayer Blockchain. Applied Sciences (Switzerland), 2019, 9, 5159.	2.5	18
14	Equal-Size Clustering for Irregularly Deployed Wireless Sensor Networks. Wireless Personal Communications, 2015, 82, 995-1012.	2.7	16
15	The design and analysis of an efficient load balancing algorithm employing the symmetric balanced incomplete block design. Information Sciences, 2006, 176, 2148-2160.	6.9	15
16	The design of conference key distribution system employing a symmetric balanced incomplete block design. Information Processing Letters, 2002, 81, 313-318.	0.6	13
17	Practical Homomorphic Authentication in Cloud-Assisted VANETs with Blockchain-Based Healthcare Monitoring for Pandemic Control. Electronics (Switzerland), 2020, 9, 1683.	3.1	13
18	A Priority Routing Protocol Based on Location and Moving Direction in Delay Tolerant Networks. IEICE Transactions on Information and Systems, 2010, E93-D, 2763-2775.	0.7	12

#	ARTICLE	IF	CITATIONS
19	A Novel Anonymous RFID Authentication Protocol Providing Strong Privacy and Security. , 2010, , .		12
20	HCDA: Efficient Pairing-Free Homographic Key Management for Dynamic Cross-Domain Authentication in VANETs. Symmetry, 2020, 12, 1003.	2.2	9
21	RSU-Aided Remote V2V Message Dissemination Employing Secure Group Association for UAV-Assisted VANETs. Electronics (Switzerland), 2021, 10, 548.	3.1	9
22	Clustering with One-Time Setup for Reduced Energy Consumption and Prolonged Lifetime in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 301869.	2.2	8
23	The design of an efficient load balancing algorithm employing block design. Journal of Applied Mathematics and Computing, 2004, 14, 343-351.	2.5	7
24	ECBCM: A prestige€based edge computing blockchain security consensus model. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4015.	3.9	7
25	An Energy-Efficient and Compact Clustering Scheme with Temporary Support Nodes for Cognitive Radio Sensor Networks. Sensors, 2014, 14, 14634-14653.	3.8	6
26	Energy Efficiency of MAC Protocols in Wireless Sensor Networks. , 2011, , .		5
27	Transmission Power Control Aware Routing in Cognitive Radio Ad Hoc Networks. Wireless Personal Communications, 2013, 71, 2713-2724.	2.7	5
28	A Balanced Clustering Algorithm for Non-uniformly Deployed Sensor Networks. , 2011, , .		3
29	Energy-Efficient Clustering with One Time Setup for Wireless Sensor Networks. , 2012, , .		2
30	ARCS: An Energy-Efficient Clustering Scheme for Sensor Network Monitoring Systems. ISRN Communications and Networking, 2011, 2011, 1-10.	0.5	2
31	Semantic Measurement of Related Degree between Unknown Word and Related Word for Automatic Extension of Lexical Dictionary. , 2008, , .		1
32	Ed-RCS: An Energy-Aware Event-Driven Regional Clustering Scheme for WSNs. , 2011, , .		0
33	A Secure Cloud-Assisted Certificateless Group Authentication Scheme for VANETs in Big Data Environment. , 2019, , .		0
34	Network Traffic Sampling System Based on Storage Compression for Application Classification Detection. IEEE Access, 2020, 8, 63106-63120.	4.2	0