Minho Jo

List of Publications by Year
in descending order

104	3,920	159585	149698
papers	citations	30 h-index	56 g-index

106	106	106	4588
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient Energy Management for the Internet of Things in Smart Cities. , 2017, 55, 84-91.		360
2	Design of Secure User Authenticated Key Management Protocol for Generic IoT Networks. IEEE Internet of Things Journal, 2018, 5, 269-282.	8.7	298
3	Next-Generation Big Data Analytics: State of the Art, Challenges, and Future Research Topics. IEEE Transactions on Industrial Informatics, 2017, 13, 1891-1899.	11.3	290
4	Rethinking energy efficiency models of cellular networks with embodied energy. IEEE Network, 2011, 25, 40-49.	6.9	175
5	Chaotic Map-Based Anonymous User Authentication Scheme With User Biometrics and Fuzzy Extractor for Crowdsourcing Internet of Things. IEEE Internet of Things Journal, 2018, 5, 2884-2895.	8.7	162
6	Massive MIMO: survey and future research topics. IET Communications, 2016, 10, 1938-1946.	2.2	145
7	Internet of Things (IoT) in 5G Wireless Communications. IEEE Access, 2016, 4, 10310-10314.	4.2	123
8	Device-to-device-based heterogeneous radio access network architecture for mobile cloud computing. IEEE Wireless Communications, 2015, 22, 50-58.	9.0	93
9	Smart Contract-Based Blockchain-Envisioned Authentication Scheme for Smart Farming. IEEE Internet of Things Journal, 2021, 8, 10792-10806.	8.7	91
10	Theory for plasticity of face-centered cubic metals. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6560-6565.	7.1	87
11	A secure and efficient SIP authentication scheme for converged VoIP networks. Computer Communications, 2010, 33, 1674-1681.	5.1	85
12	A Cloud-Based Architecture for the Internet of Spectrum Devices Over Future Wireless Networks. IEEE Access, 2016, 4, 2854-2862.	4.2	83
13	Itinerary Planning for Energy-Efficient Agent Communications in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 3290-3299.	6.3	79
14	Probabilistic Recovery of Incomplete Sensed Data in IoT. IEEE Internet of Things Journal, 2018, 5, 2282-2292.	8.7	79
15	Network Selection and Channel Allocation for Spectrum Sharing in 5G Heterogeneous Networks. IEEE Access, 2016, 4, 980-992.	4.2	78
16	Recovery for overloaded mobile edge computing. Future Generation Computer Systems, 2017, 70, 138-147.	7.5	77
17	Expressive CP-ABE Scheme for Mobile Devices in IoT Satisfying Constant-Size Keys and Ciphertexts. IEEE Access, 2017, 5, 3273-3283.	4.2	74
18	Certificate-Based Anonymous Device Access Control Scheme for IoT Environment. IEEE Internet of Things Journal, 2019, 6, 9762-9773.	8.7	73

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19	Selfish attacks and detection in cognitive radio Ad-Hoc networks. IEEE Network, 2013, 27, 46-50.	6.9	69
20	Multi-User Massive MIMO Communication Systems Based on Irregular Antenna Arrays. IEEE Transactions on Wireless Communications, 2016, 15, 5287-5301.	9.2	68
21	Cooperative Wireless Energy Harvesting and Spectrum Sharing in 5G Networks. IEEE Access, 2016, 4, 3647-3658.	4.2	63
22	A survey of converging solutions for heterogeneous mobile networks. IEEE Wireless Communications, 2014, 21, 54-62.	9.0	61
23	A secure chaotic map-based remote authentication scheme for telecare medicine information systems. Future Generation Computer Systems, 2018, 84, 149-159.	7.5	54
24	Decentralized and Revised Content-Centric Networking-Based Service Deployment and Discovery Platform in Mobile Edge Computing for IoT Devices. IEEE Internet of Things Journal, 2019, 6, 4162-4175.	8.7	47
25	Designing Anonymous Signature-Based Authenticated Key Exchange Scheme for Internet of Things-Enabled Smart Grid Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 4425-4436.	11.3	47
26	An IoT based monitoring framework for software defined 5G mobile networks. , 2017, , .		44
27	A Tutorial and Future Research for Building a Blockchain-Based Secure Communication Scheme for Internet of Intelligent Things. IEEE Access, 2020, 8, 88700-88716.	4.2	41
28	Mobile RFID Tag Detection Influence Factors and Prediction of Tag Detectability. IEEE Sensors Journal, 2009, 9, 112-119.	4.7	36
29	Unsupervised Learning Algorithm for Intelligent Coverage Planning and Performance Optimization of Multitier Heterogeneous Network. IEEE Access, 2018, 6, 39807-39819.	4.2	36
30	An interactive cluster-based MDS localization scheme for multimedia information in wireless sensor networks. Computer Communications, 2012, 35, 1921-1929.	5.1	33
31	Blockchain-Based Intelligent Network Management for 5G and Beyond. , 2019, , .		32
32	Growth condition and bacterial community for maximum hydrolysis of suspended organic materials in anaerobic digestion of food waste-recycling wastewater. Applied Microbiology and Biotechnology, 2010, 85, 1611-1618.	3.6	30
33	Comprehensive Spectrum Management for Heterogeneous Networks in LTE-U. IEEE Wireless Communications, 2016, 23, 8-15.	9.0	30
34	Efficient privacy preserving device authentication in WBANs for industrial e-health applications. Computers and Security, 2019, 83, 300-312.	6.0	30
35	An auto-scaling mechanism for virtual resources to support mobile, pervasive, real-time healthcare applications in cloud computing. IEEE Network, 2013, 27, 62-68.	6.9	29
36	Green data centers for cloud-assisted mobile ad hoc networks in 5G. IEEE Network, 2015, 29, 70-76.	6.9	29

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37	A scheme for data confidentiality in Cloud-assisted Wireless Body Area Networks. Information Sciences, 2014, 284, 157-166.	6.9	27
38	Flavobacterium faecale sp. nov., an agarase-producing species isolated from stools of Antarctic penguins. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2884-2890.	1.7	26
39	Fortifying Smart Transportation Security Through Public Blockchain. IEEE Internet of Things Journal, 2022, 9, 16532-16545.	8.7	25
40	A survey: energy exhausting attacks in MAC protocols in WBANs. Telecommunication Systems, 2015, 58, 153-164.	2.5	23
41	Clustering hypervisors to minimize failures in mobile cloud computing. Wireless Communications and Mobile Computing, 2016, 16, 3455-3465.	1.2	23
42	Mesophilic Acidogenesis of Food Waste-Recycling Wastewater: Effects of Hydraulic Retention Time, pH, and Temperature. Applied Biochemistry and Biotechnology, 2016, 180, 980-999.	2.9	23
43	Cooperative channels allocation in unlicensed spectrum for D2D assisted 5G cellular network. , 2017, , .		23
44	Optimal Sensor Deployment for Wireless Surveillance Sensor Networks by a Hybrid Steady-State Genetic Algorithm. IEICE Transactions on Communications, 2008, E91-B, 3534-3543.	0.7	22
45	Classification and Experimental Analysis for Clone Detection Approaches in Wireless Sensor Networks. IEEE Systems Journal, 2013, 7, 26-35.	4.6	22
46	Software defined optical switching for cloud computing transport systems. , 2015, , .		22
47	Deployment strategies and standardization perspectives for 5G mobile networks. , 2016, , .		22
48	Energy Efficiency Evaluation of Multi-Tier Cellular Uplink Transmission Under Maximum Power Constraint. IEEE Transactions on Wireless Communications, 2017, 16, 7092-7107.	9.2	21
49	Intelligent recognition of RFID tag position. Electronics Letters, 2008, 44, 308.	1.0	18
50	Distributed Gateway Selection for M2M Communication in Cognitive 5G Networks. IEEE Network, 2017, 31, 94-100.	6.9	18
51	Joint Antenna Selection and Power Allocation for Secure Co-Time Co-Frequency Full-Duplex Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 655-665.	6.3	18
52	RFID tag detection on a water object using a backpropagation learning machine. KSII Transactions on Internet and Information Systems, 2007, 1, 19-32.	0.3	17
53	Quasi-Quadrature Modulation Method for Power-Efficient Video Transmission Over LTE Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 2083-2092.	6.3	16
54	Energy Efficiency Modelling and Analyzing Based on Multi-cell and Multi-antenna Cellular Networks. KSII Transactions on Internet and Information Systems, 0, , .	0.3	16

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55	Determination of the deformation mechanism of Fe-Mn alloys. Metals and Materials International, 2015, 21, 227-231.	3.4	15
56	Offloading Wireless Energy Harvesting for IoT Devices on Unlicensed Bands. IEEE Internet of Things Journal, 2019, 6, 3663-3675.	8.7	14
57	Robust Energy-Efficient Transmission for Wireless-Powered D2D Communication Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 7951-7965.	6.3	14
58	An Efficient Signal-Range-Based Probabilistic Key Predistribution Scheme in a Wireless Sensor Network. IEEE Transactions on Vehicular Technology, 2009, 58, 2482-2497.	6.3	13
59	A Lightweight SCTP for Partially Reliable Overlay Video Multicast Service for Mobile Terminals. IEEE Transactions on Multimedia, 2010, 12, 754-766.	7.2	13
60	A reliable overlay video transport protocol for multicast agents in wireless mesh networks. International Journal of Communication Systems, 2012, 25, 553-570.	2.5	13
61	Multi-hop links quality analysis of 5G enabled vehicular networks. , 2017, , .		13
62	Private Blockchain in Industrial IoT. IEEE Network, 2020, 34, 76-77.	6.9	13
63	A lightweight intrusion detection framework for wireless sensor networks. Wireless Communications and Mobile Computing, 2010, 10, 559-572.	1.2	12
64	Mobile multimedia sensor networks: Architecture and routing. , 2011, , .		12
65	Joint Multiple Relay Selection and Time Slot Allocation Algorithm for the EH-Abled Cognitive Multi-User Relay Networks. IEEE Access, 2019, 7, 111993-112007.	4.2	12
66	Dynamic mobile cloudlet clustering for fog computing. , 2018, , .		11
67	Future RFID technology and applications: visions and challenges. Telecommunication Systems, 2015, 58, 193-194.	2.5	10
68	Policy-Based Management for Self-Managing Wireless Sensor Networks. IEICE Transactions on Communications, 2007, E90-B, 3024-3033.	0.7	10
69	Selective Demodulation Scheme Based on Log-Likelihood Ratio Threshold. KSII Transactions on Internet and Information Systems, 2013, 7, 767-783.	0.3	10
70	Intelligent RFID tag detection using support vector machine. IEEE Transactions on Wireless Communications, 2009, 8, 5050-5059.	9.2	9
71	A Fair Transmission Opportunity by Detecting and Punishing the Malicious Wireless Stations in IEEE 802.11e EDCA Network. IEEE Systems Journal, 2011, 5, 486-494.	4.6	9
72	In-Situ Doping during ZnO Atomic Layer Deposition. Journal of the Korean Physical Society, 2008, 53, 253-257.	0.7	9

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73	A beneficial analysis of deployment knowledge for key distribution in wireless sensor networks. Security and Communication Networks, 2012, 5, 485-495.	1.5	8
74	Scaling behavior of the surface energy in face-centered cubic metals. Computational Materials Science, 2014, 92, 166-171.	3.0	8
75	Pre-training Framework for Improving Learning Speed of Reinforcement Learning based Autonomous Vehicles. , 2019, , .		8
76	Asynchronous event detection for context inconsistency in pervasive computing. International Journal of Ad Hoc and Ubiquitous Computing, 2012, 11, 195.	0.5	6
77	Guest Editorial Special Issue on Security and Privacy in Cyber-Physical Systems. IEEE Internet of Things Journal, 2017, 4, 1798-1801.	8.7	6
78	On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. IEEE Transactions on Vehicular Technology, 2020, 69, 11152-11168.	6.3	6
79	An Energy-Efficient Clustering Algorithm for Large-Scale Wireless Sensor Networks. , 2007, , 436-446.		5
80	On a moving direction pattern based MAP selection model for HMIPv6 networks. Computer Communications, 2011, 34, 150-158.	5.1	4
81	Low-Cost H.264/AVC Inter Frame Mode Decision Algorithm for Mobile Communication Systems. Mobile Networks and Applications, 2012, 17, 110-118.	3.3	4
82	Optimal Energy Efficiency Fairness of Nodes in Wireless Powered Communication Networks. Sensors, 2017, 17, 2125.	3.8	4
83	A Composite LMMSE Channel Estimator for Spectrum-Efficient OFDM Transmit Diversity. KSII Transactions on Internet and Information Systems, 2008, 2, 209-221.	0.3	4
84	Prediction of RFID tag detection for a stationary carton box. , 2008, , .		3
85	MRC-Based Decision-Directed LMMSE Channel Estimation for Efficient OFDM Transmit Diversity. , 2008, , .		3
86	An Enhancement of mSCTP Handover with an Adaptive Primary Path Switching Scheme. , 2010, , .		3
87	A Virtual Server QoS Enhancement Method in Cloud Computing. , 2016, , .		3
88	Application-Aware Migration Algorithm With Prefetching in Heterogeneous Cloud Environments. IEEE Transactions on Cloud Computing, 2022, 10, 2324-2333.	4.4	3
89	Cooperative Energy Efficiency Modeling and Performance Analysis in Co-Channel Interference Cellular Networks. Computer Journal, 2013, 56, 1010-1019.	2.4	2
90	SNS-based issue detection and related news summarization scheme. , 2014, , .		2

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91	Multicriteria optimization in planning of mobile communication networks. , 2014, , .		2
92	Dynamic spectrum sharing algorithm for combined mobile networks. , 2014, , .		2
93	Selective offloading to WiFi devices for 5G mobile users. , 2017, , .		2
94	Anaerobic Digestion of Food Waste-recycling Wastewater. , 2010, , .		1
95	Uplink energy efficiency analysis for two-tier cellular access networks using kernel function. Telecommunication Systems, 2013, 52, 1305.	2.5	1
96	Shelf-life extension of preservative-free hydrated feed using gamma pasteurization and its effect on growth performance of eel. Radiation Physics and Chemistry, 2012, 81, 1095-1097.	2.8	1
97	On inter-cell interference factor in the uplinks of multicell planar networks. , 2014, , .		1
98	Green Computing and Communications for Smart Portable Devices. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.	1.2	1
99	Deep Learning Drone Flying Height Prediction for Efficient Fine Dust Concentration Measurement. Advances in Intelligent Systems and Computing, 2019, , 1112-1119.	0.6	1
100	Message from the EEEWSN 2015 Symposium Chairs. , 2015, , .		0
101	Guest Editorial Special Section on Recent Advances in Network Big Data Analysis. IEEE Transactions on Industrial Informatics, 2017, 13, 1886-1890.	11.3	0
102	Triangular Tiling-Based Efficient Flooding Scheme in Wireless Ad Hoc Networks. Lecture Notes in Computer Science, 2009, , 345-354.	1.3	0
103	SLNR-based User Scheduling in Multi-cell networks: from Multi-antenna to Large-Scale Antenna System. KSII Transactions on Internet and Information Systems, 2014, 8, 945-964.	0.3	0
104	Opportunistic tri-band carrier aggregation in licensed spectrum for multi-operator 5G hetnet. Proceedings of SPIE, 2017, , .	0.8	0