Nobuyoshi Komuro

List of Publications by Year
in descending order

65 papers	334 citations

1040056

9 h-index	15 g-index

996975

66 all docs	66 docs citations	66 times ranked	242 citing authors

#	Article	IF	Citations
1	A green and reliable communication modeling for industrial internet of things. Computers and Electrical Engineering, 2017, 58, 364-381.	4.8	57
2	Indoor Location Estimation Technique using UHF band RFID. Information Networking, 2008 ICOIN 2008 International Conference on, 2008, , .	0.0	24
3	End-to-End Delay Analysis for IEEE 802.11 String-Topology Multi-Hop Networks. IEICE Transactions on Communications, 2015, E98.B, 1284-1293.	0.7	20
4	Analytical Expression of Maximum Throughput for Long-Frame Communications in One-way String Wireless Multihop Networks. Wireless Personal Communications, 2011, 60, 29-41.	2.7	17
5	A Reasonable Throughput Analysis of the CSK/SSMA Unslotted ALOHA System with Nonorthogonal Sequences. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2005, E88-A, 1462-1468.	0.3	14
6	Maximum throughput analysis for RTS/CTS-used IEEE 802.11 DCF in wireless multi-hop networks. , 2010, , .		13
7	End-to-end throughput and delay analysis for IEEE 802.11 string topology multi-hop network using Markov-chain model. , 2015, , .		13
8	Generalized analytical expressions for end-to-end throughput of IEEE 802.11 string-topology multi-hop networks. Ad Hoc Networks, 2018, 70, 135-148.	5.5	13
9	Predicting individual emotion from perception-based non-contact sensor big data. Scientific Reports, 2021, 11, 2317.	3.3	12
10	Paced TCP: A Dynamic Bandwidth Probe TCP with Pacing in AD HOC Networks. , 2007, , .		11
11	Throughput Analysis of WLANs in Saturation and Non-Saturation Heterogeneous Conditions with Airtime Concept. IEICE Transactions on Communications, 2016, E99.B, 2289-2296.	0.7	10
12	Nonorthogonal CSK/CDMA with Received-Power Adaptive Access Control Scheme. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2008, E91-A, 2779-2786.	0.3	10
13	MAC Protocol for Ad Hoc Networks Using Smart Antennas for Mitigating Hidden and Deafness Problems. IEICE Transactions on Communications, 2012, E95.B, 3545-3555.	0.7	10
14	Enhancing QoS Provision by Priority Scheduling with Interference Drop Scheme in Multi-Hop Ad Hoc Networks. , 2008, , .		9
15	Priority and admission control for assuring quality of I2V emergency services in VANETs integrated with Wireless LAN Mesh Networks. , 2012, , .		7
16	End-to-end throughput analysis for IEEE 802.11e EDCA string-topology wireless multi-hop networks. Nonlinear Theory and Its Applications IEICE, 2015, 6, 410-432.	0.6	7
17	Lightweight Single Image Super-resolution with Dense Connection Distillation Network. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-17.	4.3	7
18	Channel assignment for multi-interface multi-hop wireless networks. , 2016, , .		6

#	Article	IF	Citations
19	Influence of Channel Estimation Error on Throughput Performance in the Channel Estimation-Oriented Access Control Scheme with Code Shift Keying. , 2006, , .		5
20	Backoff-stage synchronization in three-hop string-topology wireless networks with hidden nodes. Nonlinear Theory and Its Applications IEICE, 2012, 3, 200-214.	0.6	5
21	A regression model-based method for indoor positioning with compound location fingerprints. Geo-Spatial Information Science, 2019, 22, 107-113.	5.3	5
22	Intensity Modulation Direct Detection Optical Wireless Communication with Nonorthogonal Code Shift Keying. , 2019, , .		5
23	Proposal of a spread ALOHA system using the SS-CSC technique. , 0, , .		4
24	An Indoor Positioning Method Based on Regression Models with Compound Location Fingerprints. , 2018, , .		4
25	Development of Wireless Sensor Nodes to Monitor Working Environment and Human Mental Conditions. Lecture Notes in Electrical Engineering, 2021, , 149-157.	0.4	4
26	Sensors deployment for location estimation in wireless sensor networks. , 2010, , .		3
27	Duty Cycle Control Method Considering Buffer Occupancy for IEEE 802.15.4-Compliant Heterogeneous Wireless Sensor Network. Applied Sciences (Switzerland), 2021, 11, 1362.	2.5	3
28	Design and analysis of optical wireless code shift keying with nonorthogonal sequences. OSA Continuum, 2021, 4, 1437.	1.8	3
29	Power Saving Method using Compressed Sensing Technique for IoT-based Time-series Environment Monitoring System. , 2021, , .		3
30	Effect of Access Control Scheme based on the Estimation of Offered Load on the CSK/SS Random Access Systems. , 0, , .		2
31	Receiving opportunity control used admission control scheme for wireless multi-hop networks. , 2010, , .		2
32	Receiving-Opportunity Control-employed QoS guarantee scheme in DCF and EDCA stations coexisting WLAN. , 2012, , .		2
33	Dynamic active period control achieving low energy consumption and low latency in multi-hop wireless sensor networks. , 2013, , .		2
34	Light-weight performance analysis of Wi-Fi offload using mean-field approximation. , 2015, , .		2
35	Small-World-Network Model Based Routing Method for Wireless Sensor Networks. IEICE Transactions on Communications, 2016, E99.B, 2315-2322.	0.7	2
36	Efficient Thread Mapping for Heterogeneous Multicore IoT Systems. Mobile Information Systems, 2017, 2017, 1-8.	0.6	2

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37	Indoor Positioning Method based on BLE Location Fingerprint with Statistics Approach. , 2019, , .		2
38	Nonorthogonal CSK/SS ALOHA system under MANET environment. ICT Express, 2021, 7, 475-480.	4.8	2
39	Throughput analysis of nonorthogonal multilevel spread ALOHA systems. , 0, , .		1
40	A Proposal of TCP Congestion Control Scheme Suited for Bandwidth Reservation Network. , 2006, , .		1
41	Throughput analysis of the nonorthogonal CSK/SS random access system on communication between users. , 2009, , .		1
42	Analytical expressions of maximum throughput for long-frame communications in one-way string wireless multihop networks. , 2010, , .		1
43	Routing control scheme prolonging network lifetime in a 6LoWPAN WSN with Power-supplied and battery-powered nodes. , 2012, , .		1
44	Multi-channel MAC protocol with channel grouping in wireless ad-hoc network. , 2014, , .		1
45	Design and Analysis of Multi-Channel MAC Protocol with Channel Grouping in Wireless Ad-Hoc Networks. IEICE Transactions on Communications, 2016, E99.B, 2305-2314.	0.7	1
46	Power-flow simulation with visualization function based on IEEE common data format. , 2016, , .		1
47	Duty-Cycle Control Achieving High Packet Delivery Ratio in Heterogeneous Wireless Sensor Networks. , 2019, , .		1
48	An Opportunistic Directional MAC Protocol with Pulse/Tone Exchange in Wireless Ad-Hoc Networks. Wireless Personal Communications, 2020, 111, 1187-1205.	2.7	1
49	A Study on Time Series Analysis of Environmental Data for Predicting Emotional Conditions. , 2021, , .		1
50	Markov-chain Analysis Model based Active Period Adaptation Scheme for IEEE 802.15.4 Network. , 2021, , .		1
51	Throughput evaluation of the nonorthogonal CSK ALOHA with the received-power adaptive access control scheme. , 2007, , .		0
52	Throughput Analysis of the Channel Estimation-Oriented Access Control Scheme on CSK/CDMA. , 2007, , .		0
53	Throughput evaluation of the the nonorthogonal CSK/CDMA ALOHA with interference canceler. , 2008, , .		0
54	Interference Drop Scheme: Enhancing QoS Provision in Multi-Hop Ad Hoc Networks. IEICE Transactions on Communications, 2010, E93-B, 2088-2096.	0.7	0

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55	Efficient TCP with Pacing for Multi-Hop Ad Hoc Networks. IEICE Transactions on Communications, 2010, E93-B, 581-589.	0.7	0
56	QoS control for wireless LAN using Receiving Opportunity Control based on Token Bucket Filter. , 2011, , .		0
57	Sensor Deployment for Location-Estimation Coverage. Key Engineering Materials, 0, 480-481, 1161-1166.	0.4	0
58	Adaptive Pushout: A Buffer Management Scheme to Improve TCP Fairness in Wireless LANs. , 2012, , .		0
59	Quality assessment of streaming services in mobile devices. , 2017, , .		0
60	Markov-chain Analysis Model based Active Period Adaptation Scheme for IEEE 802.15.4 Network. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, , .	0.3	0
61	Flow Control Scheme Using Adaptive Receiving Opportunity Control for Wireless Multi-Hop Networks. IEICE Transactions on Communications, 2012, E95.B, 2751-2758.	0.7	0
62	Impact on Compressed Sensing for IoT Used Indoor Environment Monitoring System. Lecture Notes in Electrical Engineering, 2021, , 89-96.	0.4	0
63	Testing Machine Learning Models for Individual Emotion Estimation from Indoor Environment Data. , 2021, , .		0
64	Data Transmission Efficiency of the Nonorthogonal CSK-used Optical Code Division Multiple Access System. , 2021, , .		0
65	Fingerprint-based BLE Indoor Location Estimation using Particle Filters. , 2022, , .		0