

Ki-il Kim

List of Publications by Year in descending order

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156
papers

1,124
citations

516710

16
h-index

552781

26
g-index

158
all docs

158
docs citations

158
times ranked

882
citing authors

#	ARTICLE	IF	CITATIONS
1	UAV-enabled healthcare architecture: Issues and challenges. <i>Future Generation Computer Systems</i> , 2019, 97, 425-432.	7.5	69
2	A Survey on Real-Time Communications in Wireless Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2017, 2017, 1-14.	1.2	60
3	Managing Cancellations and No-Shows of Reservations with Overbooking to Increase Resource Revenue. , 2008, , .		46
4	Wireless Sensor Networks for Big Data Systems. <i>Sensors</i> , 2019, 19, 1565.	3.8	46
5	Packaging for RF MEMS devices using LTCC substrate and BCB adhesive layer. <i>Journal of Micromechanics and Microengineering</i> , 2006, 16, 150-156.	2.6	44
6	A Survey on Mobility Support in Wireless Body Area Networks. <i>Sensors</i> , 2017, 17, 797.	3.8	38
7	A Comprehensive Review of Internet of Things: Technology Stack, Middlewares, and Fog/Edge Computing Interface. <i>Sensors</i> , 2022, 22, 995.	3.8	35
8	A Survey on Three-Dimensional Wireless Ad Hoc and Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2014, 10, 616014.	2.2	30
9	Android malware detection through generative adversarial networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2022, 33, e3675.	3.9	30
10	A Survey on Real-Time MAC Protocols in Wireless Sensor Networks. <i>Communications and Network</i> , 2010, 02, 104-112.	0.8	30
11	Fuzzy Logic-Based Guaranteed Lifetime Protocol for Real-Time Wireless Sensor Networks. <i>Sensors</i> , 2015, 15, 20373-20391.	3.8	29
12	Energy Harvested and Cooperative Enabled Efficient Routing Protocol (EHCRP) for IoT-WBAN. <i>Sensors</i> , 2020, 20, 6267.	3.8	26
13	Convolutional Neural Network Based Vehicle Classification in Adverse Illuminous Conditions for Intelligent Transportation Systems. <i>Complexity</i> , 2021, 2021, 1-11.	1.6	24
14	Bodacious-Instance Coverage Mechanism for Wireless Sensor Network. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-11.	1.2	23
15	Using Revenue Management to Determine Pricing of Reservations. , 2007, , .		22
16	A Novel Overlay Multicast Protocol in Mobile Ad Hoc Networks: Design and Evaluation. <i>IEEE Transactions on Vehicular Technology</i> , 2005, 54, 2094-2101.	6.3	20
17	A new geographic routing protocol for aircraft ad hoc networks. , 2010, , .		19
18	An enhanced geographical routing protocol based on multi-criteria decision making method in mobile ad-hoc networks. <i>Ad Hoc Networks</i> , 2020, 103, 102157.	5.5	19

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19	A survey on network simulators in three-dimensional wireless ad hoc and sensor networks. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666474.	2.2	18
20	An Enhanced Mobility and Temperature Aware Routing Protocol through Multi-Criteria Decision Making Method in Wireless Body Area Networks. Applied Sciences (Switzerland), 2018, 8, 2245.	2.5	18
21	Guaranteed lifetime protocol for IoT based wireless sensor networks with multiple constraints. Ad Hoc Networks, 2020, 104, 102158.	5.5	17
22	Q-LBR: Q-Learning Based Load Balancing Routing for UAV-Assisted VANET. Sensors, 2020, 20, 5685.	3.8	16
23	A Survey on Modern Cloud Computing Security over Smart City Networks: Threats, Vulnerabilities, Consequences, Countermeasures, and Challenges. Electronics (Switzerland), 2021, 10, 1811.	3.1	16
24	Towards Enhanced Searching Architecture for Unstructured Peer-to-Peer Over Mobile Ad Hoc Networks. Wireless Personal Communications, 2014, 77, 1167-1189.	2.7	15
25	Region-Based Collision Avoidance Beaconless Geographic Routing Protocol in Wireless Sensor Networks. Sensors, 2015, 15, 13222-13241.	3.8	14
26	Performance Analysis of Priority-Based IEEE 802.15.6 Protocol in Saturated Traffic Conditions. IEEE Access, 2018, 6, 66198-66209.	4.2	14
27	An Efficient Real-Time Data Dissemination Multicast Protocol for Big Data in Wireless Sensor Networks. Journal of Grid Computing, 2019, 17, 341-355.	3.9	14
28	Reliable and real-time data dissemination in wireless sensor networks. , 2008, , .		12
29	A novel routing protocol for (m, k)-firm-based real-time streams in Wireless Sensor Networks. , 2012, , .		12
30	An NS-3 Implementation and Experimental Performance Analysis of IEEE 802.15.6 Standard under Different Deployment Scenarios. International Journal of Environmental Research and Public Health, 2020, 17, 4007.	2.6	12
31	A study on fuzzy logic based cloud computing. Cluster Computing, 2018, 21, 589-603.	5.0	11
32	A new routing protocol for UAV relayed tactical mobile ad hoc networks. , 2018, , .		11
33	Partial Discharge Online Detection for Long-Term Operational Sustainability of On-Site Low Voltage Distribution Network Using CNN Transfer Learning. Sustainability, 2021, 13, 4692.	3.2	11
34	Multicast delivery using explicit multicast over IPv6 networks. IEEE Communications Letters, 2003, 7, 91-93.	4.1	10
35	Modeling and routing scheme for (m,k)-firm streams in wireless multimedia sensor networks. Wireless Communications and Mobile Computing, 2015, 15, 475-483.	1.2	10
36	Hierarchical Routing for Unmanned Aerial Vehicle Relayed Tactical Ad Hoc Networks. , 2018, , .		9

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37	Extended OLSR and AODV based on multi-criteria decision making method. Telecommunication Systems, 2020, 73, 241-257.	2.5	9
38	Two phase edge-to-edge distributed measurement based admission control mechanism in large IP networks. , 0, , .		8
39	Effectiveness of Reliable Routing Protocols in Mobile Ad Hoc Networks. Wireless Personal Communications, 2006, 38, 377-390.	2.7	8
40	Real-time routing protocols for (m,k)-firm streams based on multi-criteria in wireless sensor networks. Wireless Networks, 2017, 23, 1233-1248.	3.0	8
41	Load Balancing Algorithm for Multiple UAVs Relayed Tactical Ad Hoc Networks. , 2019, , .		8
42	Network Layer Approaches for (m, k)-Firm Stream in Wireless Sensor Networks. IEICE Transactions on Communications, 2010, E93-B, 3165-3168.	0.7	7
43	Delay bounded spray and wait in delay tolerant networks. , 2015, , .		7
44	Opportunistic Multipath Routing in Long-Hop Wireless Sensor Networks. Sensors, 2019, 19, 4072.	3.8	7
45	Overlap Avoidance of Mobility Models for Multi-UAVs Reconnaissance. Applied Sciences (Switzerland), 2020, 10, 4051.	2.5	7
46	An (m,k)-Firm Real-Time Aware Fault-Tolerant Mechanism in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 905740.	2.2	6
47	A Deadline Aware DTN Approach Based on Epidemic Routing. , 2014, , .		6
48	A tiny hypervisor-based trusted geolocation framework with minimized TPM operations. Journal of Systems and Software, 2016, 122, 202-214.	4.5	6
49	Data-driven hybrid model and operating algorithm to shave peak demand costs of building electricity. Energy and Buildings, 2020, 229, 110493.	6.7	6
50	Clustering Scheme for (m,k)-Firm Streams in Wireless Sensor Networks. Journal of Information and Communication Convergence Engineering, 2016, 14, 84-88.	0.2	6
51	A Deep Learning Ensemble Method to Visual Acuity Measurement Using Fundus Images. Applied Sciences (Switzerland), 2022, 12, 3190.	2.5	6
52	Cross-Layered Approach for (m, k)-Firm Stream in Wireless Sensor Networks. Wireless Personal Communications, 2013, 68, 1883-1902.	2.7	5
53	A novel real-time scheme for (m,k)-firm streams in wireless sensor networks. Wireless Networks, 2014, 20, 719-731.	3.0	5
54	Fuzzy Search Controller in Unstructured Mobile Peer-to-Peer Networks. , 2014, , .		5

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55	Optimal Configuration of Virtual Links for Avionics Network Systems. International Journal of Aerospace Engineering, 2015, 2015, 1-9.	0.9	5
56	An architecture for (m, k)-firm real-time streams in wireless sensor networks. Wireless Networks, 2016, 22, 69-81.	3.0	5
57	Reducing Dynamic Power Consumption in Mixed-Critical Real-Time Systems. Applied Sciences (Switzerland), 2020, 10, 7256.	2.5	5
58	A New Real-Time and Guaranteed Lifetime Protocol in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 837457.	2.2	5
59	Domain based approach for QoS provisioning in Mobile IP. , 0, , .		4
60	Scalable IPv6 multi-homing scheme based on end-to-end argument. IEEE Communications Letters, 2003, 7, 340-342.	4.1	4
61	Bandwidth Dependent Overlay Multicast Scheme. , 2006, , .		4
62	A Model to Support Mobile Users in Wireless Sensor Networks. , 2007, , .		4
63	A cross layered approach for multihoming on SCTP in Mobile Ad Hoc networks. , 2007, , .		4
64	Development of data collecting system for forecasting with meteorological sensors. , 2017, , .		4
65	Editorial on "Special issue on fog computing for healthcare". Peer-to-Peer Networking and Applications, 2019, 12, 1214-1215.	3.9	4
66	Adaptive Real-Time Routing Protocol for (m,k)-Firm in Industrial Wireless Multimedia Sensor Networks. Sensors, 2020, 20, 1633.	3.8	4
67	Performance Evaluation of MINTRoute Protocol at Different Scenarios. Lecture Notes in Computer Science, 2011, , 9-15.	1.3	4
68	Real-Time Cloud Modeling and Rendering Approach Based on L-system for Flight Simulation. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 395-406.	0.4	4
69	A Priority-based Dynamic Link Scheduling Algorithm Using Multi-criteria Decision Making in Wireless Body Area Networks. , 2020, , .		4
70	New approach for mobile multicast based on SSM. , 0, , .		3
71	Robust and cost-efficient group communication using overlay multicast in mobile ad hoc networks. , 0, , .		3
72	DREAM : Density Aware Overlay Multicast Forwarding in Mobile Ad Hoc Networks. Wireless Personal Communications, 2006, 39, 381-400.	2.7	3

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73	A new geographical routing protocol for heterogeneous aircraft Ad Hoc Networks. , 2012, , .		3
74	A Guaranteed Lifetime Protocol for Real-Time Wireless Sensor Networks. , 2014, , .		3
75	New feasible grouping algorithms for virtual link in AFDX networks. , 2015, , .		3
76	Adaptive Forwarding Scheme for Bounded Time Constraint in Delay Tolerant Networks. Wireless Personal Communications, 2017, 96, 1803-1817.	2.7	3
77	A Tree Based Broadcast Scheme for (m, k)-firm Real-Time Stream in Wireless Sensor Networks. Sensors, 2017, 17, 2578.	3.8	3
78	Real-Time Communication in Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.	1.2	3
79	Implementation of AODV-UU on Linux 4.15 Kernel. , 2019, , .		3
80	A survey on analytical models for dynamic resource management in wireless body area networks. Ad Hoc Networks, 2022, 135, 102936.	5.5	3
81	Hierarchical admission control scheme for supporting mobility in mobile IP. , 0, , .		2
82	AdaFF: Adaptive Failure-Handling Framework for Composite Web Services. IEICE Transactions on Information and Systems, 2010, E93-D, 834-842.	0.7	2
83	Spatial cooperative diversity and asynchronous spectrum sensing for cognitive radio networks. , 2011, , .		2
84	Towards Cluster-Based Real-Time Flow Scheduling in Interference-Aware Wireless Sensor Networks. , 2013, , .		2
85	Three Dimensional Cloud Modeling Approach Based on L-System. , 2015, , .		2
86	A fuzzy logic scheme for real-time routing in wireless sensor networks. , 2015, , .		2
87	Simulation-based performance comparison of two routing protocols for aircraft ad-hoc networks. International Journal of Ad Hoc and Ubiquitous Computing, 2016, 22, 128.	0.5	2
88	A mobility-based temperature-aware routing protocol for Wireless Body Sensor Networks. , 2017, , .		2
89	An Enhanced Temperature Aware Routing Protocol in Wireless Body Area Networks. , 2018, , .		2
90	Energy-Efficient Region Shift Scheme to Support Mobile Sink Group in Wireless Sensor Networks. Sensors, 2018, 18, 90.	3.8	2

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91	Evaluating and Enhancing the Robustness of Sustainable Neural Relationship Classifiers Using Query-Efficient Black-Box Adversarial Attacks. Sustainability, 2021, 13, 5892.	3.2	2
92	Adaptive TDMA scheduling for real-time flows in cluster-based wireless sensor networks. Computer Science and Information Systems, 2016, 13, 475-492.	1.0	2
93	Evaluating an (m, k)-firm Deadline Real-time Stream Based on a Reliable Transport Protocol in Wireless Sensor Networks. Journal of Information and Communication Convergence Engineering, 2012, 10, 129-134.	0.2	2
94	Communications and Networking for Mobile Sink in Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2021, 2021, 1-2.	1.2	2
95	BANSIM: A new discrete-event simulator for wireless body area networks with deep reinforcement learning in Python. Journal of Systems Architecture, 2022, 126, 102489.	4.3	2
96	Estimation and Interpretation of Machine Learning Models with Customized Surrogate Model. Electronics (Switzerland), 2021, 10, 3045.	3.1	2
97	Adaptive scheduling for multi-objective resource allocation through multi-criteria decision-making and deep Q-network in wireless body area networks. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 16255-16268.	4.9	2
98	A Fine-Grained Secure Service Provisioning Platform for Hypervisor Systems. Electronics (Switzerland), 2022, 11, 1606.	3.1	2
99	Internet multicast provisioning issues for hierarchical architecture. , 0, , .		1
100	Backup path provisioning scheme and delay time analysis in GMPLS networks. , 0, , .		1
101	Integration of scoped flooding and overlay multicast in mobile ad hoc networks. , 0, , .		1
102	Scalable and topology-aware application layer multicast architecture. , 0, , .		1
103	Hierarchical overlay multicast based on host group model and topology-awareness. , 2005, , .		1
104	Exploring Performance of Hypercube Structure for Multicast in Mobile Ad Hoc Networks. Wireless Personal Communications, 2007, 43, 1633-1651.	2.7	1
105	Development of simulator for aircraft ad hoc networks. , 2011, , .		1
106	A real-time routing protocol for (m,k)-firm streams in wireless sensor networks. , 2013, , .		1
107	A New DTN Routing Protocol for Sparse Airborne Networks. , 2013, , .		1
108	Design of hierarchical routing protocol for heterogeneous airborne ad hoc networks. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
109	Evaluating revised MintRoute protocol in wireless sensor networks. <i>Wireless Communications and Mobile Computing</i> , 2015, 15, 431-441.	1.2	1
110	Mobility and Temperature Aware QoS Routing Protocol in Wireless Body Area Networks. , 2017, , .		1
111	Fuzzy searching and routing in unstructured mobile peer-to-peer networks. <i>Cluster Computing</i> , 2018, 21, 363-375.	5.0	1
112	Delay and Energy Based Message Delivery in Delay Tolerant Networks. , 2019, , .		1
113	Object Tracking Based on (m,k)-firm Model in Multimedia Wireless Sensor Networks. <i>Proceedings (mdpi)</i> , 2019, 15, .	0.2	1
114	Automatic reconstruction of deleted AVI video files composed of scattered and corrupted fragments. <i>Multimedia Tools and Applications</i> , 2020, 79, 28355-28367.	3.9	1
115	An Enhanced Searching Algorithm over Unstructured Mobile P2P Overlay Networks. <i>Journal of Information and Communication Convergence Engineering</i> , 2013, 11, 173-178.	0.2	1
116	Load Balancing for Greedy Forwarding of Geographic Routing in Wireless Networks. <i>IEICE Transactions on Communications</i> , 2010, E93-B, 2184-2187.	0.7	1
117	Modeling of Energy Consumption for K-Coverage in Wireless Sensor Networks. <i>Lecture Notes in Electrical Engineering</i> , 2012, , 55-61.	0.4	1
118	Geospatial Data System Architecture for Disaster Risk Management. <i>International Journal of Grid and Distributed Computing</i> , 2017, 10, 39-52.	0.8	1
119	An extended IEEE 802.15.6 for thermal-aware resource management. <i>Ad Hoc Networks</i> , 2022, 131, 102856.	5.5	1
120	Domain based approach for QoS provisioning over Mobile IP. , 0, , .		0
121	Dynamic traffic estimation scheme for UMTS radio resource efficiency. , 0, , .		0
122	Native multicast datagram delivery using Xcast over IPv6 networks. , 0, , .		0
123	Distributed IPv6 multihoming support. , 0, , .		0
124	Deployment issues for application level multicast. , 0, , .		0
125	Resource-efficient and robust group communication in mobile ad hoc networks. , 0, , .		0
126	A new fair call admission control in packet radio networks. , 0, , .		0

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127	Establishing measurement-based reliable path in mobile ad hoc networks. , 0, , .		0
128	Reducing delivery failure influence over overlay multicast tree. , 0, , .		0
129	Performance evaluation of traffic control based on geographical information. , 2009, , .		0
130	New link estimation for reliability in wireless sensor networks. , 2009, , .		0
131	Load balancing parameters for geographic routing protocol in wireless sensor networks. , 2010, , .		0
132	A revised Mint-Route protocol in wireless sensor networks. , 2010, , .		0
133	A revised SPEED protocol for (m, k)-firm streams in wireless sensor networks. , 2011, , .		0
134	Time-Reuse Partitioning with Blind Interference Management for Cellular Systems. , 2011, , .		0
135	A congestion control scheme for (m, k)-firm realtime streams in wireless sensor networks. , 2012, , .		0
136	Enhanced parent selection algorithms in minroute protocol. AIP Conference Proceedings, 2012, , .	0.4	0
137	Design of Movement Scenarios for Aircraft Ad Hoc Networks. Communications in Computer and Information Science, 2012, , 9-14.	0.5	0
138	Deadline Aware Hybrid Data Forwarding Scheme in Delay Tolerant Networks. International Journal of Control and Automation, 2014, 7, 69-80.	0.3	0
139	Software Architecture for Open Source Based Flight Simulator. , 2015, , .		0
140	Beaconless Geographic Routing Protocol with Adaptive Delay Timer in Wireless Sensor Networks. , 2015, , .		0
141	Variants of Spray and Forwarding Scheme in Delay Tolerant Networks. IEICE Transactions on Communications, 2017, E100.B, 1807-1817.	0.7	0
142	Three-dimensional wireless ad hoc and sensor networks 2016. International Journal of Distributed Sensor Networks, 2017, 13, 155014771771597.	2.2	0
143	A Spectrum Aware Routing Protocol in Cognitive Radio Ad Hoc Networks. , 2018, , .		0
144	Adaptive Optimized Pattern Extracting Algorithm for Forecasting Maximum Electrical Load Duration Using Random Sampling and Cumulative Slope Index. Energies, 2018, 11, 1723.	3.1	0

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145	Experimental Comparison of Pure Flooding and Its Variants on Raspberry Pi in Small Scale Ad Hoc Networks. , 2019, , .		0
146	Dynamic Timer Based on Expected Link Duration in Mobile Ad Hoc Networks. , 2019, , .		0
147	A Comparative Study on Gateway Selection in Mobile-Assisted Sensor Data Collection. , 2019, , .		0
148	Development of Multi-Quadrotor Simulator Based on Real-Time Hypervisor Systems. Drones, 2021, 5, 59.	4.9	0
149	Implementation of Display Based on Pilot Preference. Communications in Computer and Information Science, 2011, , 461-466.	0.5	0
150	Impact on Realistic Mobility Model for Aircraft Ad Hoc Networks. Communications in Computer and Information Science, 2012, , 22-27.	0.5	0
151	Design of DTRS Viewer with Commercial Flight Simulators. Communications in Computer and Information Science, 2012, , 153-156.	0.5	0
152	Three Dimensional Wireless Ad Hoc and Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 643737.	2.2	0
153	A New Software Architecture for Drone Flight and Analysis of Accident. International Journal of Control and Automation, 2017, 10, 1-10.	0.3	0
154	Design of Temperature-Aware Routing for IEEE 802.15.6 Based Wireless Body Area Networks. , 2020, , .		0
155	Genetic Analysis for Breast Cancer Prediction and Diagnosis. , 2020, , .		0
156	A Robust QR and Computer Vision-Based Sensorless Steering Angle Control, Localization, and Motion Planning of Self-Driving Vehicles. IEEE Access, 2021, 9, 151766-151774.	4.2	0