

Ki-il Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6398948/publications.pdf>

Version: 2024-02-01

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	Adaptive scheduling for multi-objective resource allocation through multi-criteria decision-making and deep Q-network in wireless body area networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 16255-16268.	4.9	2
2	Android malware detection through generative adversarial networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2022, 33, e3675.	3.9	30
3	A Comprehensive Review of Internet of Things: Technology Stack, Middlewares, and Fog/Edge Computing Interface. <i>Sensors</i> , 2022, 22, 995.	3.8	35
4	A Deep Learning Ensemble Method to Visual Acuity Measurement Using Fundus Images. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3190.	2.5	6
5	BANSIM: A new discrete-event simulator for wireless body area networks with deep reinforcement learning in Python. <i>Journal of Systems Architecture</i> , 2022, 126, 102489.	4.3	2
6	An extended IEEE 802.15.6 for thermal-aware resource management. <i>Ad Hoc Networks</i> , 2022, 131, 102856.	5.5	1
7	A Fine-Grained Secure Service Provisioning Platform for Hypervisor Systems. <i>Electronics (Switzerland)</i> , 2022, 11, 1606.	3.1	2
8	A survey on analytical models for dynamic resource management in wireless body area networks. <i>Ad Hoc Networks</i> , 2022, 135, 102936.	5.5	3
9	Convolutional Neural Network Based Vehicle Classification in Adverse Illuminous Conditions for Intelligent Transportation Systems. <i>Complexity</i> , 2021, 2021, 1-11.	1.6	24
10	Partial Discharge Online Detection for Long-Term Operational Sustainability of On-Site Low Voltage Distribution Network Using CNN Transfer Learning. <i>Sustainability</i> , 2021, 13, 4692.	3.2	11
11	Evaluating and Enhancing the Robustness of Sustainable Neural Relationship Classifiers Using Query-Efficient Black-Box Adversarial Attacks. <i>Sustainability</i> , 2021, 13, 5892.	3.2	2
12	A Survey on Modern Cloud Computing Security over Smart City Networks: Threats, Vulnerabilities, Consequences, Countermeasures, and Challenges. <i>Electronics (Switzerland)</i> , 2021, 10, 1811.	3.1	16
13	Development of Multi-Quadrotor Simulator Based on Real-Time Hypervisor Systems. <i>Drones</i> , 2021, 5, 59.	4.9	0
14	Communications and Networking for Mobile Sink in Wireless Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-2.	1.2	2
15	A Robust QR and Computer Vision-Based Sensorless Steering Angle Control, Localization, and Motion Planning of Self-Driving Vehicles. <i>IEEE Access</i> , 2021, 9, 151766-151774.	4.2	0
16	Estimation and Interpretation of Machine Learning Models with Customized Surrogate Model. <i>Electronics (Switzerland)</i> , 2021, 10, 3045.	3.1	2
17	Extended OLSR and AODV based on multi-criteria decision making method. <i>Telecommunication Systems</i> , 2020, 73, 241-257.	2.5	9
18	Data-driven hybrid model and operating algorithm to shave peak demand costs of building electricity. <i>Energy and Buildings</i> , 2020, 229, 110493.	6.7	6

#	ARTICLE	IF	CITATIONS
19	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
20	Bodacious-Instance Coverage Mechanism for Wireless Sensor Network. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-11.	1.2	23
21	Reducing Dynamic Power Consumption in Mixed-Critical Real-Time Systems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7256.	2.5	5
22	Energy Harvested and Cooperative Enabled Efficient Routing Protocol (EHCRP) for IoT-WBAN. <i>Sensors</i> , 2020, 20, 6267.	3.8	26
23	Q-LBR: Q-Learning Based Load Balancing Routing for UAV-Assisted VANET. <i>Sensors</i> , 2020, 20, 5685.	3.8	16
24	An NS-3 Implementation and Experimental Performance Analysis of IEEE 802.15.6 Standard under Different Deployment Scenarios. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4007.	2.6	12
25	Adaptive Real-Time Routing Protocol for (m,k)-Firm in Industrial Wireless Multimedia Sensor Networks. <i>Sensors</i> , 2020, 20, 1633.	3.8	4
26	Overlap Avoidance of Mobility Models for Multi-UAVs Reconnaissance. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4051.	2.5	7
27	Guaranteed lifetime protocol for IoT based wireless sensor networks with multiple constraints. <i>Ad Hoc Networks</i> , 2020, 104, 102158.	5.5	17
28	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
29	Design of Temperature-Aware Routing for IEEE 802.15.6 Based Wireless Body Area Networks. , 2020, , .		0
30	Genetic Analysis for Breast Cancer Prediction and Diagnosis. , 2020, , .		0
31	A Priority-based Dynamic Link Scheduling Algorithm Using Multi-criteria Decision Making in Wireless Body Area Networks. , 2020, , .		4
32	An Efficient Real-Time Data Dissemination Multicast Protocol for Big Data in Wireless Sensor Networks. <i>Journal of Grid Computing</i> , 2019, 17, 341-355.	3.9	14
33	Experimental Comparison of Pure Flooding and Its Variants on Raspberry Pi in Small Scale Ad Hoc Networks. , 2019, , .		0
34	Editorial on "Special issue on fog computing for healthcare". <i>Peer-to-Peer Networking and Applications</i> , 2019, 12, 1214-1215.	3.9	4
35	Load Balancing Algorithm for Multiple UAVs Relayed Tactical Ad Hoc Networks. , 2019, , .		8
36	Delay and Energy Based Message Delivery in Delay Tolerant Networks. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	Opportunistic Multipath Routing in Long-Hop Wireless Sensor Networks. Sensors, 2019, 19, 4072.	3.8	7
38	UAV-enabled healthcare architecture: Issues and challenges. Future Generation Computer Systems, 2019, 97, 425-432.	7.5	69
39	Wireless Sensor Networks for Big Data Systems. Sensors, 2019, 19, 1565.	3.8	46
40	Object Tracking Based on (m,k)-firm Model in Multimedia Wireless Sensor Networks. Proceedings (mdpi), 2019, 15, .	0.2	1
41	Implementation of AODV-UU on Linux 4.15 Kernel. , 2019, , .		3
42	Dynamic Timer Based on Expected Link Duration in Mobile Ad Hoc Networks. , 2019, , .		0
43	A Comparative Study on Gateway Selection in Mobile-Assisted Sensor Data Collection. , 2019, , .		0
44	Fuzzy searching and routing in unstructured mobile peer-to-peer networks. Cluster Computing, 2018, 21, 363-375.	5.0	1
45	A study on fuzzy logic based cloud computing. Cluster Computing, 2018, 21, 589-603.	5.0	11
46	A Spectrum Aware Routing Protocol in Cognitive Radio Ad Hoc Networks. , 2018, , .		0
47	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
48	Hierarchical Routing for Unmanned Aerial Vehicle Relayed Tactical Ad Hoc Networks. , 2018, , .		9
49	Performance Analysis of Priority-Based IEEE 802.15.6 Protocol in Saturated Traffic Conditions. IEEE Access, 2018, 6, 66198-66209.	4.2	14
50	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
51	A new routing protocol for UAV relayed tactical mobile ad hoc networks. , 2018, , .		11
52	Real-Time Communication in Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.	1.2	3
53	An Enhanced Temperature Aware Routing Protocol in Wireless Body Area Networks. , 2018, , .		2
54	Energy-Efficient Region Shift Scheme to Support Mobile Sink Group in Wireless Sensor Networks. Sensors, 2018, 18, 90.	3.8	2

#	ARTICLE	IF	CITATIONS
55	Real-time routing protocols for (m,k)-firm streams based on multi-criteria in wireless sensor networks. <i>Wireless Networks</i> , 2017, 23, 1233-1248.	3.0	8
56	A mobility-based temperature-aware routing protocol for Wireless Body Sensor Networks. , 2017, , .		2
57	Development of data collecting system for forecasting with meteorological sensors. , 2017, , .		4
58	Adaptive Forwarding Scheme for Bounded Time Constraint in Delay Tolerant Networks. <i>Wireless Personal Communications</i> , 2017, 96, 1803-1817.	2.7	3
59	A Tree Based Broadcast Scheme for (m, k)-firm Real-Time Stream in Wireless Sensor Networks. <i>Sensors</i> , 2017, 17, 2578.	3.8	3
60	A Survey on Real-Time Communications in Wireless Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2017, 2017, 1-14.	1.2	60
61	Variants of Spray and Forwarding Scheme in Delay Tolerant Networks. <i>IEICE Transactions on Communications</i> , 2017, E100.B, 1807-1817.	0.7	0
62	Mobility and Temperature Aware QoS Routing Protocol in Wireless Body Area Networks. , 2017, , .		1
63	A Survey on Mobility Support in Wireless Body Area Networks. <i>Sensors</i> , 2017, 17, 797.	3.8	38
64	Three-dimensional wireless ad hoc and sensor networks 2016. <i>International Journal of Distributed Sensor Networks</i> , 2017, 13, 155014771771597.	2.2	0
65	A New Software Architecture for Drone Flight and Analysis of Accident. <i>International Journal of Control and Automation</i> , 2017, 10, 1-10.	0.3	0
66	Geospatial Data System Architecture for Disaster Risk Management. <i>International Journal of Grid and Distributed Computing</i> , 2017, 10, 39-52.	0.8	1
67	Simulation-based performance comparison of two routing protocols for aircraft ad-hoc networks. <i>International Journal of Ad Hoc and Ubiquitous Computing</i> , 2016, 22, 128.	0.5	2
68	A tiny hypervisor-based trusted geolocation framework with minimized TPM operations. <i>Journal of Systems and Software</i> , 2016, 122, 202-214.	4.5	6
69	A survey on network simulators in three-dimensional wireless ad hoc and sensor networks. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 155014771666474.	2.2	18
70	An architecture for (m, k)-firm real-time streams in wireless sensor networks. <i>Wireless Networks</i> , 2016, 22, 69-81.	3.0	5
71	Adaptive TDMA scheduling for real-time flows in cluster-based wireless sensor networks. <i>Computer Science and Information Systems</i> , 2016, 13, 475-492.	1.0	2
72	Clustering Scheme for (m,k)-Firm Streams in Wireless Sensor Networks. <i>Journal of Information and Communication Convergence Engineering</i> , 2016, 14, 84-88.	0.2	6

#	ARTICLE	IF	CITATIONS
73	Three Dimensional Cloud Modeling Approach Based on L-System. , 2015, , .		2
74	Software Architecture for Open Source Based Flight Simulator. , 2015, , .		0
75	Fuzzy Logic-Based Guaranteed Lifetime Protocol for Real-Time Wireless Sensor Networks. Sensors, 2015, 15, 20373-20391.	3.8	29
76	Region-Based Collision Avoidance Beaconless Geographic Routing Protocol in Wireless Sensor Networks. Sensors, 2015, 15, 13222-13241.	3.8	14
77	Optimal Configuration of Virtual Links for Avionics Network Systems. International Journal of Aerospace Engineering, 2015, 2015, 1-9.	0.9	5
78	New feasible grouping algorithms for virtual link in AFDX networks. , 2015, , .		3
79	A fuzzy logic scheme for real-time routing in wireless sensor networks. , 2015, , .		2
80	Beaconless Geographic Routing Protocol with Adaptive Delay Timer in Wireless Sensor Networks. , 2015, , .		0
81	Evaluating revised MintRoute protocol in wireless sensor networks. Wireless Communications and Mobile Computing, 2015, 15, 431-441.	1.2	1
82	Delay bounded spray and wait in delay tolerant networks. , 2015, , .		7
83	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
84	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
85	A Deadline Aware DTN Approach Based on Epidemic Routing. , 2014, , .		6
86	Deadline Aware Hybrid Data Forwarding Scheme in Delay Tolerant Networks. International Journal of Control and Automation, 2014, 7, 69-80.	0.3	0
87	Towards Enhanced Searching Architecture for Unstructured Peer-to-Peer Over Mobile Ad Hoc Networks. Wireless Personal Communications, 2014, 77, 1167-1189.	2.7	15
88	A novel real-time scheme for (m,k)-firm streams in wireless sensor networks. Wireless Networks, 2014, 20, 719-731.	3.0	5
89	Design of hierarchical routing protocol for heterogeneous airborne ad hoc networks. , 2014, , .		1
90	Fuzzy Search Controller in Unstructured Mobile Peer-to-Peer Networks. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
91	A Guaranteed Lifetime Protocol for Real-Time Wireless Sensor Networks. , 2014, , .		3
92	A Survey on Three-Dimensional Wireless Ad Hoc and Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 616014.	2.2	30
93	A New Real-Time and Guaranteed Lifetime Protocol in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 837457.	2.2	5
94	Three Dimensional Wireless Ad Hoc and Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 643737.	2.2	0
95	Cross-Layered Approach for (m, k)-Firm Stream in Wireless Sensor Networks. Wireless Personal Communications, 2013, 68, 1883-1902.	2.7	5
96	A real-time routing protocol for (m,k)-firm streams in wireless sensor networks. , 2013, , .		1
97	Towards Cluster-Based Real-Time Flow Scheduling in Interference-Aware Wireless Sensor Networks. , 2013, , .		2
98	A New DTN Routing Protocol for Sparse Airborne Networks. , 2013, , .		1
99	An Enhanced Searching Algorithm over Unstructured Mobile P2P Overlay Networks. Journal of Information and Communication Convergence Engineering, 2013, 11, 173-178.	0.2	1
100	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
101	A congestion control scheme for (m, k)-firm realtime streams in wireless sensor networks. , 2012, , .		0
102	A novel routing protocol for (m, k)-firm-based real-time streams in Wireless Sensor Networks. , 2012, , .		12
103	Enhanced parent selection algorithms in minroute protocol. AIP Conference Proceedings, 2012, , .	0.4	0
104	Design of Movement Scenarios for Aircraft Ad Hoc Networks. Communications in Computer and Information Science, 2012, , 9-14.	0.5	0
105	A new geographical routing protocol for heterogeneous aircraft Ad Hoc Networks. , 2012, , .		3
106	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
107	Modeling of Energy Consumption for K-Coverage in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2012, , 55-61.	0.4	1
108	Impact on Realistic Mobility Model for Aircraft Ad Hoc Networks. Communications in Computer and Information Science, 2012, , 22-27.	0.5	0

#	ARTICLE	IF	CITATIONS
109	Design of DTRS Viewer with Commercial Flight Simulators. Communications in Computer and Information Science, 2012, , 153-156.	0.5	0
110	Development of simulator for aircraft ad hoc networks. , 2011, , .		1
111	A revised SPEED protocol for (m, k)-firm streams in wireless sensor networks. , 2011, , .		0
112	Spatial cooperative diversity and asynchronous spectrum sensing for cognitive radio networks. , 2011, , .		2
113	Time-Reuse Partitioning with Blind Interference Management for Cellular Systems. , 2011, , .		0
114	Performance Evaluation of MINTRoute Protocol at Different Scenarios. Lecture Notes in Computer Science, 2011, , 9-15.	1.3	4
115	Implementation of Display Based on Pilot Preference. Communications in Computer and Information Science, 2011, , 461-466.	0.5	0
116	Network Layer Approaches for (m, k)-Firm Stream in Wireless Sensor Networks. IEICE Transactions on Communications, 2010, E93-B, 3165-3168.	0.7	7
117	AdaFF: Adaptive Failure-Handling Framework for Composite Web Services. IEICE Transactions on Information and Systems, 2010, E93-D, 834-842.	0.7	2
118	Load balancing parameters for geographic routing protocol in wireless sensor networks. , 2010, , .		0
119	A new geographic routing protocol for aircraft ad hoc networks. , 2010, , .		19
120	A revised Mint-Route protocol in wireless sensor networks. , 2010, , .		0
121	A Survey on Real-Time MAC Protocols in Wireless Sensor Networks. Communications and Network, 2010, 02, 104-112.	0.8	30
122	Load Balancing for Greedy Forwarding of Geographic Routing in Wireless Networks. IEICE Transactions on Communications, 2010, E93-B, 2184-2187.	0.7	1
123	Performance evaluation of traffic control based on geographical information. , 2009, , .		0
124	New link estimation for reliability in wireless sensor networks. , 2009, , .		0
125	Reliable and real-time data dissemination in wireless sensor networks. , 2008, , .		12
126	Managing Cancellations and No-Shows of Reservations with Overbooking to Increase Resource Revenue. , 2008, , .		46

#	ARTICLE	IF	CITATIONS
127	Using Revenue Management to Determine Pricing of Reservations. , 2007, , .		22
128	A Model to Support Mobile Users in Wireless Sensor Networks. , 2007, , .		4
129	A cross layered approach for multihoming on SCTP in Mobile Ad Hoc networks. , 2007, , .		4
130	Exploring Performance of Hypercube Structure for Multicast in Mobile Ad Hoc Networks. Wireless Personal Communications, 2007, 43, 1633-1651.	2.7	1
131	Packaging for RF MEMS devices using LTCC substrate and BCB adhesive layer. Journal of Micromechanics and Microengineering, 2006, 16, 150-156.	2.6	44
132	Bandwidth Dependent Overlay Multicast Scheme. , 2006, , .		4
133	Effectiveness of Reliable Routing Protocols in Mobile Ad Hoc Networks. Wireless Personal Communications, 2006, 38, 377-390.	2.7	8
134	DREAM : Density Aware Overlay Multicast Forwarding in Mobile Ad Hoc Networks. Wireless Personal Communications, 2006, 39, 381-400.	2.7	3
135	A Novel Overlay Multicast Protocol in Mobile Ad Hoc Networks: Design and Evaluation. IEEE Transactions on Vehicular Technology, 2005, 54, 2094-2101.	6.3	20
136	Hierarchical overlay multicast based on host group model and topology-awareness. , 2005, , .		1
137	Multicast delivery using explicit multicast over IPv6 networks. IEEE Communications Letters, 2003, 7, 91-93.	4.1	10
138	Scalable IPv6 multi-homing scheme based on end-to-end argument. IEEE Communications Letters, 2003, 7, 340-342.	4.1	4
139	Domain based approach for QoS provisioning over Mobile IP. , 0, , .		0
140	New approach for mobile multicast based on SSM. , 0, , .		3
141	Dynamic traffic estimation scheme for UMTS radio resource efficiency. , 0, , .		0
142	Domain based approach for QoS provisioning in Mobile IP. , 0, , .		4
143	Two phase edge-to-edge distributed measurement based admission control mechanism in large IP networks. , 0, , .		8
144	Internet multicast provisioning issues for hierarchical architecture. , 0, , .		1

#	ARTICLE	IF	CITATIONS
145	Backup path provisioning scheme and delay time analysis in GMPLS networks. , 0, , .		1
146	Hierarchical admission control scheme for supporting mobility in mobile IP. , 0, , .		2
147	Native multicast datagram delivery using Xcast over IPv6 networks. , 0, , .		0
148	Distributed IPv6 multihoming support. , 0, , .		0
149	Deployment issues for application level multicast. , 0, , .		0
150	Robust and cost-efficient group communication using overlay multicast in mobile ad hoc networks. , 0, , .		3
151	Resource-efficient and robust group communication in mobile ad hoc networks. , 0, , .		0
152	A new fair call admission control in packet radio networks. , 0, , .		0
153	Integration of scoped flooding and overlay multicast in mobile ad hoc networks. , 0, , .		1
154	Scalable and topology-aware application layer multicast architecture. , 0, , .		1
155	Establishing measurement-based reliable path in mobile ad hoc networks. , 0, , .		0
156	Reducing delivery failure influence over overlay multicast tree. , 0, , .		0