

Young-Bae Ko

List of Publications by Year in descending order

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87
papers

1,338
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430874

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87
all docs

87
docs citations

87
times ranked

1206
citing authors

#	ARTICLE	IF	CITATIONS
1	Unplanned UAV Trajectory-based Data Collection in Large-scale Sensor Networks. , 2022, , .		0
2	Trust-Based Intelligent Routing Protocol with Q-Learning for Mission-Critical Wireless Sensor Networks. Sensors, 2022, 22, 3975.	3.8	8
3	Q-learning based Stepwise Routing Protocol for Multi-UAV Networks. , 2021, , .		8
4	Energy-Efficient Real-Time Multi-Core Assignment Scheme for Asymmetric Multi-Core Mobile Devices. IEEE Access, 2020, 8, 117324-117334.	4.2	5
5	Enabling DSRC and C-V2X Integrated Hybrid Vehicular Networks: Architecture and Protocol. IEEE Access, 2020, 8, 180909-180927.	4.2	34
6	Improving Deep Learning-Based UWB LOS/NLOS Identification with Transfer Learning: An Empirical Approach. Electronics (Switzerland), 2020, 9, 1714.	3.1	31
7	Intellectual Priority-based Low Latency Data Delivery Scheme for Multi-interface and Multi-channel Devices in Multi-hop Wireless Mesh Networks. , 2020, , .		0
8	Trust Based Multipath QoS Routing Protocol for Mission-Critical Data Transmission in Tactical Ad-Hoc Networks. Sensors, 2020, 20, 3330.	3.8	7
9	A Stepwise and Hybrid Trust Evaluation Scheme for Tactical Wireless Sensor Networks. Sensors, 2020, 20, 1108.	3.8	6
10	Blockchain-Based Lightweight Trust Management in Mobile Ad-Hoc Networks. Sensors, 2020, 20, 698.	3.8	39
11	A Cooperative Trust Evaluation Scheme for Tactical Wireless Sensor Networks. , 2020, , .		1
12	When Blockchain Takes Care of the OLSR Network. , 2019, , .		1
13	Application-aware Task Scheduling in Heterogeneous Edge Cloud. , 2019, , .		11
14	Energy-Aware Distribution of Data Fragments in Unattended Wireless Sensor Networks. , 2018, , .		3
15	A Design and Simulation of the Opportunistic Computation Offloading with Learning-Based Prediction for Unmanned Aerial Vehicle (UAV) Clustering Networks. Sensors, 2018, 18, 3751.	3.8	32
16	A Novel Indoor Positioning System Using Kernel Local Discriminant Analysis in Internet-of-Things. Wireless Communications and Mobile Computing, 2018, 2018, 1-9.	1.2	6
17	Adaptive offloading with MPTCP for unmanned aerial vehicle surveillance system. Annales Des Telecommunications/Annals of Telecommunications, 2018, 73, 613-626.	2.5	12
18	Opportunistic computational offloading system for clusters of drones. , 2018, , .		2

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19	Opportunistic computational offloading system for clusters of drones. , 2018, , .		6
20	Reliable Mutual Node Evaluation for Trust-Based OLSR in Tactical MANETs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 114-119.	0.3	1
21	Trust Guaranteed Multi-Path Routing Protocol by Considering Mission-Critical IoT Data. The Journal of Korean Institute of Communications and Information Sciences, 2018, 43, 995-1004.	0.1	1
22	Efficient topology construction and routing for IEEE 802.15.4m-based smart grid networks. Wireless Networks, 2017, 23, 533-551.	3.0	6
23	QGeo: Q-Learning-Based Geographic <i>Ad Hoc</i> Routing Protocol for Unmanned Robotic Networks. IEEE Communications Letters, 2017, 21, 2258-2261.	4.1	68
24	On-demand anchor-based mobility support method for named data networking. , 2017, , .		16
25	Analysis of NDN repository architecture and its improvement for I/O intensive applications. , 2017, , .		0
26	Two-hop distance estimation in wireless sensor networks. International Journal of Distributed Sensor Networks, 2017, 13, 155014771668968.	2.2	3
27	Collaborative Topology Control for Many-to-One Communications in Wireless Sensor Networks. IEEE Access, 2017, 5, 15927-15941.	4.2	16
28	ACODS: adaptive computation offloading for drone surveillance system. , 2017, , .		10
29	CTMAC: A cooperative TDMA MAC in vehicular ad hoc networks. , 2017, , .		4
30	A Continuous Object Boundary Detection and Tracking Scheme for Failure-Prone Sensor Networks. Sensors, 2017, 17, 361.	3.8	22
31	Optimizing fast handover in MIPv6 through buffered packet forwarding and out of sequence packets reduction. , 2016, , .		0
32	Service-oriented Wifi connectivity maintenance with a mobile AP. , 2016, , .		0
33	Analysis of NDN repository architectures. , 2016, , .		1
34	Mitigation of black hole attacks in Routing Protocol for Low Power and Lossy Networks. Security and Communication Networks, 2016, 9, 5143-5154.	1.5	63
35	The Betweenness Centrality based Geographic Routing Protocol for Unmanned Ground Systems. , 2016, , .		1
36	Improved Multi-hop Routing in Integrated VANET-LTE Hybrid Vehicular Networks. , 2016, , .		5

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37	Block-Based Incremental Caching for Information Centric Networking. IEICE Transactions on Communications, 2016, E99.B, 2550-2558.	0.7	1
38	A lightweight CoAP-based software defined networking for resource constrained AMI devices. , 2015, , .		8
39	Infrastructure-assisted efficient broadcasting in hybrid vehicular networks. , 2015, , .		5
40	Implementation of a front-end and back-end NDN system for climate modeling application. , 2015, , .		4
41	Trends and Potentials of the Smart Grid Infrastructure: From ICT Sub-System to SDN-Enabled Smart Grid Architecture. Applied Sciences (Switzerland), 2015, 5, 706-727.	2.5	38
42	Continuous Neighbor Discovery Protocol in Wireless Ad Hoc Networks with Sectorized-Antennas. , 2015, , .		12
43	Link Quality based Geographic Routing resilient to location errors. , 2015, , .		2
44	The beacon identification using low pass filter for Physical Web based IoT services. , 2015, , .		1
45	Interleaving-based orphan channel Scanning for the IEEE 802.15.4m in TVWS smart grid networks. , 2015, , .		2
46	Continuous phenomena boundary detection and tracking in wireless sensor networks through optimized monitoring. , 2015, , .		1
47	A 3-dimensional triangulation scheme to improve the accuracy of indoor localization for IoT services. , 2015, , .		18
48	Data aggregation in precision agriculture for low-power and lossy networks. , 2015, , .		4
49	Improve your USB experience with Wi-Fi through dynamic QoS adaptation. , 2015, , .		0
50	IPv6 based real-time acoustic data streaming service over Bluetooth Low Energy. , 2015, , .		0
51	Reliable Packet Flow Control for Preventing Buffer Overflow in Wi-Fi Serial Bus. IEEE Communications Letters, 2015, 19, 1009-1012.	4.1	0
52	Utilising partially overlapped channels for OFDM-based 802.11 WLANs. Computer Communications, 2015, 63, 77-86.	5.1	2
53	Neighbor-assisted data delivery to mobile sink in wireless sensor networks. , 2015, , .		1
54	Energy efficient quality-of-service for WLAN-based D2D communications. Ad Hoc Networks, 2015, 25, 102-116.	5.5	9

#	ARTICLE	IF	CITATIONS
55	A hybrid topology based multicast routing for cognitive radio ad hoc networks. , 2014, , .		3
56	On the interplay between clustering and power control in multihop wireless networks. , 2014, , .		2
57	Inter-Chunk Popularity-Based Edge-First Caching in Content-Centric Networking. IEEE Communications Letters, 2014, 18, 1331-1334.	4.1	32
58	Dynamic power management in Wi-Fi Direct for future wireless serial bus. Wireless Networks, 2014, 20, 1777-1793.	3.0	8
59	TOP-CCN: Topology aware Content Centric Networking for Mobile Ad Hoc Networks. , 2013, , .		2
60	Design and implementation of adaptive WLAN mesh networks for video surveillance. Wireless Networks, 2013, 19, 1511-1524.	3.0	5
61	Improving the reliability of IEEE 802.11s based wireless mesh networks for smart grid systems. Journal of Communications and Networks, 2012, 14, 629-639.	2.6	67
62	Congestion-aware multi-gateway routing for wireless mesh video surveillance networks. , 2011, , .		2
63	A novel geocasting protocol for multi-interface tactical ad hoc networks. , 2011, , .		0
64	Wireless LAN with medical-grade QoS for e-healthcare. Journal of Communications and Networks, 2011, 13, 149-159.	2.6	33
65	FTL algorithms for NAND-type flash memories. Design Automation for Embedded Systems, 2011, 15, 191-224.	1.0	31
66	Design and implementation of multicasting for multi-channel multi-interface wireless mesh networks. Wireless Networks, 2011, 17, 955-972.	3.0	17
67	Efficient clustering-based data aggregation techniques for wireless sensor networks. Wireless Networks, 2011, 17, 1387-1400.	3.0	48
68	Distributed channel adaptation using instantaneous clusters in energy-constrained multi-hop wireless networks. , 2011, , .		1
69	Modifying the IEEE 802.11 MAC Protocol for Multi-hop Reservation in MIMC Tactical Ad Hoc Networks. , 2011, , .		3
70	A reliable and hybrid multi-path routing protocol for multi-interface tactical ad hoc networks. , 2010, , .		10
71	Efficient geocasting with multi-target regions in mobile multi-hop wireless networks. Wireless Networks, 2010, 16, 1253-1262.	3.0	4
72	Link-state routing without broadcast storming for multichannel mesh networks. Computer Networks, 2010, 54, 330-340.	5.1	2

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73	Multi-path routing with load-aware metric for tactical ad hoc networks. , 2010, , .		6
74	JRGP: Jamming resilient geocasting protocol for mobile tactical ad hoc networks. , 2010, , .		9
75	Efficient multicasting for multi-channel multi-interface wireless mesh networks. , 2009, , .		16
76	On the mobile wireless access via MIMO relays. , 2009, , .		3
77	Reliable dual-path geocasting for tactical ad hoc networks. , 2009, , .		3
78	(VVOF)velocity vector-based opportunistic forwarding in vehicular sensor network. , 2009, , .		1
79	MAC protocols using directional antennas in IEEE 802.11 based ad hoc networks. Wireless Communications and Mobile Computing, 2008, 8, 783-795.	1.2	10
80	Design and implementation of intelligent home control systems based on active sensor networks. IEEE Transactions on Consumer Electronics, 2008, 54, 1177-1184.	3.6	106
81	A quadtree-based hierarchical data dissemination for mobile sensor networks. Telecommunication Systems, 2007, 36, 117-128.	2.5	27
82	Emerging standards for wireless mesh technology. IEEE Wireless Communications, 2006, 13, 56-63.	9.0	140
83	Anycasting-based protocol for geocast service in mobile ad hoc networks. Computer Networks, 2003, 41, 743-760.	5.1	45
84	Enhanced Power Saving Scheme for IEEE 802.11 DCF Based Wireless Networks. Lecture Notes in Computer Science, 2003, , 835-840.	1.3	18
85	Flooding-Based Geocasting Protocols for Mobile Ad Hoc Networks. Mobile Networks and Applications, 2002, 7, 471-480.	3.3	138
86	A multicast protocol for physically hierarchical ad hoc networks. , 0, , .		7
87	ts-PWLAN: a value-add system for providing tiered wireless services in public hot-spots. , 0, , .		2