

# Young-Bae Ko

## List of Publications by Year in descending order

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87  
papers

1,338  
citations

430874

18  
h-index

395702

33  
g-index

87  
all docs

87  
docs citations

87  
times ranked

1206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging standards for wireless mesh technology. IEEE Wireless Communications, 2006, 13, 56-63.	9.0	140
2	Flooding-Based Geocasting Protocols for Mobile Ad Hoc Networks. Mobile Networks and Applications, 2002, 7, 471-480.	3.3	138
3	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
4	QGeo: Q-Learning-Based Geographic &lt;itali&gt;Ad Hoc&lt;/itali&gt; Routing Protocol for Unmanned Robotic Networks. IEEE Communications Letters, 2017, 21, 2258-2261.	4.1	68
5	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
6	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
7	Efficient clustering-based data aggregation techniques for wireless sensor networks. Wireless Networks, 2011, 17, 1387-1400.	3.0	48
8	Anycasting-based protocol for geocast service in mobile ad hoc networks. Computer Networks, 2003, 41, 743-760.	5.1	45
9	Blockchain-Based Lightweight Trust Management in Mobile Ad-Hoc Networks. Sensors, 2020, 20, 698.	3.8	39
10	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
11	Enabling DSRC and C-V2X Integrated Hybrid Vehicular Networks: Architecture and Protocol. IEEE Access, 2020, 8, 180909-180927.	4.2	34
12	Wireless LAN with medical-grade QoS for e-healthcare. Journal of Communications and Networks, 2011, 13, 149-159.	2.6	33
13	Inter-Chunk Popularity-Based Edge-First Caching in Content-Centric Networking. IEEE Communications Letters, 2014, 18, 1331-1334.	4.1	32
14	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
15	FTL algorithms for NAND-type flash memories. Design Automation for Embedded Systems, 2011, 15, 191-224.	1.0	31
16	Improving Deep Learning-Based UWB LOS/NLOS Identification with Transfer Learning: An Empirical Approach. Electronics (Switzerland), 2020, 9, 1714.	3.1	31
17	A quadtree-based hierarchical data dissemination for mobile sensor networks. Telecommunication Systems, 2007, 36, 117-128.	2.5	27
18	A Continuous Object Boundary Detection and Tracking Scheme for Failure-Prone Sensor Networks. Sensors, 2017, 17, 361.	3.8	22

#	ARTICLE	IF	CITATIONS
19	Enhanced Power Saving Scheme for IEEE 802.11 DCF Based Wireless Networks. Lecture Notes in Computer Science, 2003, , 835-840.	1.3	18
20	A 3-dimensional triangulation scheme to improve the accuracy of indoor localization for IoT services. , 2015, , .		18
21	Design and implementation of multicasting for multi-channel multi-interface wireless mesh networks. Wireless Networks, 2011, 17, 955-972.	3.0	17
22	Efficient multicasting for multi-channel multi-interface wireless mesh networks. , 2009, , .		16
23	On-demand anchor-based mobility support method for named data networking. , 2017, , .		16
24	Collaborative Topology Control for Many-to-One Communications in Wireless Sensor Networks. IEEE Access, 2017, 5, 15927-15941.	4.2	16
25	Continuous Neighbor Discovery Protocol in Wireless Ad Hoc Networks with Sectorized-Antennas. , 2015, , .		12
26	Adaptive offloading with MPTCP for unmanned aerial vehicle surveillance system. Annales Des Telecommunications/Annals of Telecommunications, 2018, 73, 613-626.	2.5	12
27	Application-aware Task Scheduling in Heterogeneous Edge Cloud. , 2019, , .		11
28	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
29	A reliable and hybrid multi-path routing protocol for multi-interface tactical ad hoc networks. , 2010, , .		10
30	ACODS: adaptive computation offloading for drone surveillance system. , 2017, , .		10
31	JRGP: Jamming resilient geocasting protocol for mobile tactical ad hoc networks. , 2010, , .		9
32	Energy efficient quality-of-service for WLAN-based D2D communications. Ad Hoc Networks, 2015, 25, 102-116.	5.5	9
33	Dynamic power management in Wi-Fi Direct for future wireless serial bus. Wireless Networks, 2014, 20, 1777-1793.	3.0	8
34	A lightweight CoAP-based software defined networking for resource constrained AMI devices. , 2015, , .		8
35	Q-learning based Stepwise Routing Protocol for Multi-UAV Networks. , 2021, , .		8
36	Trust-Based Intelligent Routing Protocol with Q-Learning for Mission-Critical Wireless Sensor Networks. Sensors, 2022, 22, 3975.	3.8	8

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37	A multicast protocol for physically hierarchical ad hoc networks. , 0, , .		7
38	Trust Based Multipath QoS Routing Protocol for Mission-Critical Data Transmission in Tactical Ad-Hoc Networks. Sensors, 2020, 20, 3330.	3.8	7
39	Multi-path routing with load-aware metric for tactical ad hoc networks. , 2010, , .		6
40	Efficient topology construction and routing for IEEE 802.15.4m-based smart grid networks. Wireless Networks, 2017, 23, 533-551.	3.0	6
41	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
42	Opportunistic computational offloading system for clusters of drones. , 2018, , .		6
43	A Stepwise and Hybrid Trust Evaluation Scheme for Tactical Wireless Sensor Networks. Sensors, 2020, 20, 1108.	3.8	6
44	Design and implementation of adaptive WLAN mesh networks for video surveillance. Wireless Networks, 2013, 19, 1511-1524.	3.0	5
45	Infrastructure-assisted efficient broadcasting in hybrid vehicular networks. , 2015, , .		5
46	Improved Multi-hop Routing in Integrated VANET-LTE Hybrid Vehicular Networks. , 2016, , .		5
47	Energy-Efficient Real-Time Multi-Core Assignment Scheme for Asymmetric Multi-Core Mobile Devices. IEEE Access, 2020, 8, 117324-117334.	4.2	5
48	Efficient geocasting with multi-target regions in mobile multi-hop wireless networks. Wireless Networks, 2010, 16, 1253-1262.	3.0	4
49	Implementation of a front-end and back-end NDN system for climate modeling application. , 2015, , .		4
50	Data aggregation in precision agriculture for low-power and lossy networks. , 2015, , .		4
51	CTMAC: A cooperative TDMA MAC in vehicular ad hoc networks. , 2017, , .		4
52	On the mobile wireless access via MIMO relays. , 2009, , .		3
53	Reliable dual-path geocasting for tactical ad hoc networks. , 2009, , .		3
54	Modifying the IEEE 802.11 MAC Protocol for Multi-hop Reservation in MIMC Tactical Ad Hoc Networks. , 2011, , .		3

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55	A hybrid topology based multicast routing for cognitive radio ad hoc networks. , 2014, , .		3
56	Two-hop distance estimation in wireless sensor networks. International Journal of Distributed Sensor Networks, 2017, 13, 155014771668968.	2.2	3
57	Energy-Aware Distribution of Data Fragments in Unattended Wireless Sensor Networks. , 2018, , .		3
58	ts-PWLAN: a value-add system for providing tiered wireless services in public hot-spots. , 0, , .		2
59	Link-state routing without broadcast storming for multichannel mesh networks. Computer Networks, 2010, 54, 330-340.	5.1	2
60	Congestion-aware multi-gateway routing for wireless mesh video surveillance networks. , 2011, , .		2
61	TOP-CCN: Topology aware Content Centric Networking for Mobile Ad Hoc Networks. , 2013, , .		2
62	On the interplay between clustering and power control in multihop wireless networks. , 2014, , .		2
63	Link Quality based Geographic Routing resilient to location errors. , 2015, , .		2
64	Interleaving-based orphan channel Scanning for the IEEE 802.15.4m in TVWS smart grid networks. , 2015, , .		2
65	Utilising partially overlapped channels for OFDM-based 802.11 WLANs. Computer Communications, 2015, 63, 77-86.	5.1	2
66	Opportunistic computational offloading system for clusters of drones. , 2018, , .		2
67	(VVOF)velocity vector-based opportunistic forwarding in vehicular sensor network. , 2009, , .		1
68	Distributed channel adaptation using instantaneous clusters in energy-constrained multi-hop wireless networks. , 2011, , .		1
69	The beacon identification using low pass filter for Physical Web based IoT services. , 2015, , .		1
70	Continuous phenomena boundary detection and tracking in wireless sensor networks through optimized monitoring. , 2015, , .		1
71	Neighbor-assisted data delivery to mobile sink in wireless sensor networks. , 2015, , .		1
72	Analysis of NDN repository architectures. , 2016, , .		1

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73	The Betweenness Centrality based Geographic Routing Protocol for Unmanned Ground Systems. , 2016, , .		1
74	When Blockchain Takes Care of the OLSR Network. , 2019, , .		1
75	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
76	Block-Based Incremental Caching for Information Centric Networking. IEICE Transactions on Communications, 2016, E99.B, 2550-2558.	0.7	1
77	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
78	A Cooperative Trust Evaluation Scheme for Tactical Wireless Sensor Networks. , 2020, , .		1
79	A novel geocasting protocol for multi-interface tactical ad hoc networks. , 2011, , .		0
80	Improve your USB experience with Wi-Fi through dynamic QoS adaptation. , 2015, , .		0
81	IPv6 based real-time acoustic data streaming service over Bluetooth Low Energy. , 2015, , .		0
82	Reliable Packet Flow Control for Preventing Buffer Overflow in Wi-Fi Serial Bus. IEEE Communications Letters, 2015, 19, 1009-1012.	4.1	0
83	Optimizing fast handover in MIPv6 through buffered packet forwarding and out of sequence packets reduction. , 2016, , .		0
84	Service-oriented Wifi connectivity maintenance with a mobile AP. , 2016, , .		0
85	Analysis of NDN repository architecture and its improvement for I/O intensive applications. , 2017, , .		0
86	Intellectual Priority-based Low Latency Data Delivery Scheme for Multi-interface and Multi-channel Devices in Multi-hop Wireless Mesh Networks. , 2020, , .		0
87	Unplanned UAV Trajectory-based Data Collection in Large-scale Sensor Networks. , 2022, , .		0