Kyung-Joon Park

List of Publications by Year
in descending order

74	1,030	471477	477281
papers	citations	17 h-index	29 g-index

76	76	76	1109
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Empirical Analysis of MAVLink Protocol Vulnerability for Attacking Unmanned Aerial Vehicles. IEEE Access, 2018, 6, 43203-43212.	4.2	64
2	Cyber-Physical Vulnerability Analysis of Communication-Based Train Control. IEEE Internet of Things Journal, 2019, 6, 6353-6362.	8.7	38
3	Robust Path Diversity for Network Quality of Service in Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2014, 10, 2204-2215.	11.3	36
4	A Medical-Grade Wireless Architecture for Remote Electrocardiography. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 260-267.	3.2	34
5	Wireless LAN with medical-grade QoS for e-healthcare. Journal of Communications and Networks, 2011, 13, 149-159.	2.6	33
6	RSU-Assisted Adaptive Scheduling for Vehicle-to-Vehicle Data Sharing in Bidirectional Road Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 977-989.	8.0	30
7	Enhanced Fast Handover for Network Mobility in Intelligent Transportation Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 357-371.	6.3	28
8	A Survey on Machine-Learning Based Security Design for Cyber-Physical Systems. Applied Sciences (Switzerland), 2021, 11, 5458.	2.5	25
9	Stealthy Sensor Attack Detection and Real-Time Performance Recovery for Resilient CPS. IEEE Transactions on Industrial Informatics, 2021, 17, 7412-7422.	11.3	24
10	A Survey on Network Security for Cyberâ€“Physical Systems: From Threats to Resilient Design. IEEE Communications Surveys and Tutorials, 2022, 24, 1534-1573.	39.4	23
11	LAPEL: Hop Limit Based Adaptive PIT Entry Lifetime for Vehicular Named Data Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 5546-5557.	6.3	22
12	Channel-Aware Congestion Control in Vehicular Cyber-Physical Systems. IEEE Access, 2020, 8, 73193-73203.	4.2	22
13	Noncooperative carrier sense game in wireless networks. IEEE Transactions on Wireless Communications, 2009, 8, 5280-5289.	9.2	21
14	Adaptive two-level frame aggregation in IEEE 802.11n WLAN. , 2012, , .		21
15	EDOVE: Energy and Depth Variance-Based Opportunistic Void Avoidance Scheme for Underwater Acoustic Sensor Networks. Sensors, 2017, 17, 2212.	3.8	21
16	Coexistence of Full-Duplex-Based IEEE 802.15.4 and IEEE 802.11. IEEE Transactions on Industrial Informatics, 2018, 14, 5389-5399.	11.3	20
17	Handover Management of Net-Drones for Future Internet Platforms. International Journal of Distributed Sensor Networks, 2016, 12, 5760245.	2.2	20
18	Design and analysis of asynchronous wakeup for wireless sensor networks. IEEE Transactions on Wireless Communications, 2009, 8, 5530-5541.	9.2	17

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19	Performance evaluation of improved fast PMIPv6-based network mobility for intelligent transportation systems. Journal of Communications and Networks, 2013, 15, 142-152.	2.6	17
20	A Quantitative Electroencephalography Study on Cochlear Implant-Induced Cortical Changes in Single-Sided Deafness with Tinnitus. Frontiers in Human Neuroscience, 2017, 11, 210.	2.0	17
21	Anti-windup compensator for active queue management in TCP networks. Control Engineering Practice, 2003, 11, 1127-1142.	5.5	16
22	Interest Broadcast Suppression Scheme for Named Data Wireless Sensor Networks. IEEE Access, 2019, 7, 51799-51809.	4.2	16
23	Design of a crossbar VOQ real-time switch with clock-driven scheduling for a guaranteed delay bound. Real-Time Systems, 2013, 49, 117-135.	1.3	15
24	Optimal coverage control for net-drone handover. , 2015, , .		15
25	Optimal physical carrier sense in wireless networks. Ad Hoc Networks, 2011, 9, 16-27.	5.5	14
26	A novel method for device-related electroencephalography artifact suppression to explore cochlear implant-related cortical changes in single-sided deafness. Journal of Neuroscience Methods, 2015, 255, 22-28.	2.5	14
27	An Attack-Resilient CPS Architecture for Hierarchical Control: A Case Study on Train Control Systems. Computer, 2018, 51, 46-55.	1.1	14
28	SaferCross: Enhancing Pedestrian Safety Using Embedded Sensors of Smartphone. IEEE Access, 2020, 8, 49657-49670.	4.2	13
29	Medical-Grade Quality of Service for Real-Time Mobile Healthcare. Computer, 2015, 48, 41-49.	1.1	11
30	Cyber Insurance Design for Validator Rotation in Sharded Blockchain Networks: A Hierarchical Game-Based Approach. IEEE Transactions on Network and Service Management, 2021, 18, 3092-3106.	4.9	11
31	Medical-Grade Channel Access and Admission Control in 802.11e EDCA for Healthcare Applications. PLoS ONE, 2016, 11, e0160052.	2.5	10
32	A Cross-layer Dual Queue Approach for Improving TCP Fairness in Infrastructure WLANs. Wireless Personal Communications, 2009, 51, 499-516.	2.7	9
33	Cross-Layer Quality Assessment of Scalable Video Services on Mobile Embedded Systems. IEEE Transactions on Mobile Computing, 2010, 9, 1478-1490.	5.8	9
34	BEAT: Beacon Inter-Reception Time Ensured Adaptive Transmission for Vehicle-to-Vehicle Safety Communication. Sensors, 2019, 19, 3061.	3.8	9
35	A Robot Operating System Framework for Secure UAV Communications. Sensors, 2021, 21, 1369.	3.8	9
36	Sampling rate optimization for IEEE 802.11 wireless control systems. , 2019, , .		8

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37	Self-Optimization of RACH Power Considering Multi-Cell Outage in 3GPP LTE Systems. , 2012, , .		7
38	Guaranteeing the End-to-End Latency of an IMA System with an Increasing Workload. IEEE Transactions on Computers, 2014, 63, 1460-1473.	3.4	7
39	Cooperative Spatial Retreat for Resilient Drone Networks. Sensors, 2017, 17, 1018.	3.8	7
40	Multimodal Named Data Discovery With Interest Broadcast Suppression for Vehicular CPS. IEEE Transactions on Mobile Computing, 2021, 20, 1877-1891.	5.8	7
41	Adaptive contention control for improving end-to-end throughput performance of multihop wireless networks. IEEE Transactions on Wireless Communications, 2010, 9, 696-705.	9.2	6
42	When thermal control meets sensor noise: analysis of noise-induced temperature error. , 2015, , .		6
43	Design of a medicalâ€grade QoS metric for wireless environments. Transactions on Emerging Telecommunications Technologies, 2016, 27, 1022-1029.	3.9	6
44	Efficient Data Broadcast Mitigation in Multisource Named-Content Discovery for Vehicular CPS. IEEE Communications Letters, 2019, 23, 1644-1647.	4.1	6
45	Functional-Level Energy Characterization of ÂµC/OS-II and Cache Locking for Energy Saving. Bell Labs Technical Journal, 2012, 17, 219-227.	0.7	5
46	Spatial retreat of net-drones under communication failure. , 2016, , .		5
47	Resilient architecture for network and control coâ€design under wireless channel uncertainty in cyberâ€physical systems. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3499.	3.9	5
48	Continuous Productivity Improvement Using IoE Data for Fault Monitoring: An Automotive Parts Production Line Case Study. Sensors, 2021, 21, 7366.	3.8	5
49	A Hybrid Architecture for Delay Analysis of Interleaved FEC on Mobile Platforms. IEEE Transactions on Vehicular Technology, 2010, 59, 2087-2092.	6.3	4
50	A Data-Driven Indirect Estimation of Machine Parameters for Smart Production Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 6537-6546.	11.3	4
51	Optimization driven bandwidth provisioning in service overlay networks. Computer Communications, 2008, 31, 3169-3177.	5.1	3
52	Scheduling and control co-design under end-to-end response time constraints in cyber-physical systems. , 2011, , .		3
53	Simultaneous Attack on Drone and GCS in UAV Systems. , 2018, , .		3
54	Maximum Information Coverage in Named Data Vehicular Cyber-Physical Systems. , 2018, , .		3

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55	Wireless SDN Self-Recovery for Unmanned Swarm Cyber-Physical Systems. , 2021, , .		3
56	A Controller Switching Mechanism for Resilient Wireless Sensorâ€“Actuator Networks. Applied Sciences (Switzerland), 2022, 12, 1841.	2.5	3
57	Capacity analysis of best-effort broadcasting services with reliability constraint. , 2012, , .		2
58	Contention window adaptation for coexistence of WBAN and WLAN in medical environments. , 2014, , .		2
59	Advanced Technologies for Mobile IoT and Cyber-Physical Systems. Mobile Information Systems, 2016, 2016, 1-3.	0.6	2
60	Fairness-aware radio resource management for medical interoperability between WBAN and WLAN. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 441.	2.5	2
61	W-Simplex: Resilient network and control co-design under wireless channel uncertainty in cyber-physical systems. , 2017, , .		2
62	WiP Abstract: KRS-DGIST: A Resilient CPS Testbed for Radio-Based Train Control. , 2018, , .		2
63	Realâ€time Internet of things and cyberâ€physical systems. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3616.	3.9	2
64	An Empirical Study on Cyber Attack and Defense of Robot Operating System using Security Platform in UAV. Journal of Institute of Control, Robotics and Systems, 2021, 27, 111-117.	0.2	2
65	Analysis and Design of Best-Effort Broadcasting Services in Cellular Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 3953-3963.	6.3	1
66	Harnessing self-cancellation for coexistence of Wi-Fi and Bluetooth. , 2013, , .		1
67	Deadline-aware routing with probabilistic delay guarantee in cyber-physical systems. , 2017, , .		1
68	Guest Editorial Special Issue on RRCPS: Reliable and Resilient Cyber-Physical Systems. IEEE Internet of Things Journal, 2019, 6, 6271-6275.	8.7	1
69	Analysis and elimination of noise-induced temperature error in processor thermal control. Real-Time Systems, 2020, 56, 1-27.	1.3	1
70	A Novel Mitigation Method for Noise-Induced Temperature Error in CPU Thermal Control. IEEE Access, 2020, 8, 94000-94009.	4.2	1
71	A Contract-Theoretic Cyber Insurance for Withdraw Delay in the Blockchain Networks with Shards. , 2020, , .		1
72	Robust delay estimator for playout buffering in Internet audio applications. Computer Communications, 2005, 28, 1938-1946.	5.1	0

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73	Robust coordinated transmission for cooperative small cell networks. IET Communications, 2016, 10, 2184-2191.	2.2	0
74	Situation-Aware Survivable Network Design for Tactical Environments. Applied Sciences (Switzerland), 2022, 12, 6738.	2.5	0