

Kyung-Joon Park

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64

papers

617

citations

13

h-index

21

g-index

76

ext. papers

839

ext. citations

4.7

avg, IF

4.4

L-index

#	Paper	IF	Citations
64	A Controller Switching Mechanism for Resilient Wireless Sensor-Actuator Networks. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1841	2.6	2
63	A Data-driven Indirect Estimation of Machine Parameters for Smart Production Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	
62	Continuous Productivity Improvement Using IoE Data for Fault Monitoring: An Automotive Parts Production Line Case Study. <i>Sensors</i> , 2021 , 21,	3.8	1
61	A Survey on Machine-Learning Based Security Design for Cyber-Physical Systems. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5458	2.6	6
60	Multimodal Named Data Discovery With Interest Broadcast Suppression for Vehicular CPS. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 1877-1891	4.6	3
59	RSU-Assisted Adaptive Scheduling for Vehicle-to-Vehicle Data Sharing in Bidirectional Road Scenarios. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 977-989	6.1	9
58	A Robot Operating System Framework for Secure UAV Communications. <i>Sensors</i> , 2021 , 21,	3.8	3
57	Cyber Insurance Design for Validator Rotation in Sharded Blockchain Networks: A Hierarchical Game-Based Approach. <i>IEEE Transactions on Network and Service Management</i> , 2021 , 18, 3092-3106	4.8	3
56	Stealthy Sensor Attack Detection and Real-Time Performance Recovery for Resilient CPS. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 7412-7422	11.9	10
55	. <i>IEEE Access</i> , 2020 , 8, 49657-49670	3.5	5
54	Channel-Aware Congestion Control in Vehicular Cyber-Physical Systems. <i>IEEE Access</i> , 2020 , 8, 73193-73203	3.5	12
53	Analysis and elimination of noise-induced temperature error in processor thermal control. <i>Real-Time Systems</i> , 2020 , 56, 1-27	1.3	1
52	A Novel Mitigation Method for Noise-Induced Temperature Error in CPU Thermal Control. <i>IEEE Access</i> , 2020 , 8, 94000-94009	3.5	1
51	A Contract-Theoretic Cyber Insurance for Withdraw Delay in the Blockchain Networks with Shards 2020 ,		1
50	Efficient Data Broadcast Mitigation in Multisource Named-Content Discovery for Vehicular CPS. <i>IEEE Communications Letters</i> , 2019 , 23, 1644-1647	3.8	4
49	Cyber-Physical Vulnerability Analysis of Communication-Based Train Control. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 6353-6362	10.7	21
48	Sampling rate optimization for IEEE 802.11 wireless control systems 2019 ,		3

47	Interest Broadcast Suppression Scheme for Named Data Wireless Sensor Networks. <i>IEEE Access</i> , 2019 , 7, 51799-51809	3.5	13
46	BEAT: Beacon Inter-Reception Time Ensured Adaptive Transmission for Vehicle-to-Vehicle Safety Communication. <i>Sensors</i> , 2019 , 19,	3.8	5
45	Resilient architecture for network and control co-design under wireless channel uncertainty in cyber-physical systems. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019 , 30, e3499	1.9	3
44	LAPEL: Hop Limit Based Adaptive PIT Entry Lifetime for Vehicular Named Data Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 5546-5557	6.8	21
43	Maximum Information Coverage in Named Data Vehicular Cyber-Physical Systems 2018 ,		3
42	An Attack-Resilient CPS Architecture for Hierarchical Control: A Case Study on Train Control Systems. <i>Computer</i> , 2018 , 51, 46-55	1.6	6
41	Empirical Analysis of MAVLink Protocol Vulnerability for Attacking Unmanned Aerial Vehicles. <i>IEEE Access</i> , 2018 , 6, 43203-43212	3.5	27
40	Coexistence of Full-Duplex-Based IEEE 802.15.4 and IEEE 802.11. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 5389-5399	11.9	13
39	W-Simplex: Resilient network and control co-design under wireless channel uncertainty in cyber-physical systems 2017 ,		1
38	Cooperative Spatial Retreat for Resilient Drone Networks. <i>Sensors</i> , 2017 , 17,	3.8	4
37	EDOVE: Energy and Depth Variance-Based Opportunistic Void Avoidance Scheme for Underwater Acoustic Sensor Networks. <i>Sensors</i> , 2017 , 17,	3.8	11
36	A Quantitative Electroencephalography Study on Cochlear Implant-Induced Cortical Changes in Single-Sided Deafness with Tinnitus. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 210	3.3	14
35	Fairness-aware radio resource management for medical interoperability between WBAN and WLAN. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2016 , 71, 441	2	2
34	Handover Management of Net-Drones for Future Internet Platforms. <i>International Journal of Distributed Sensor Networks</i> , 2016 , 12, 5760245	1.7	13
33	Advanced Technologies for Mobile IoT and Cyber-Physical Systems. <i>Mobile Information Systems</i> , 2016 , 2016, 1-3	1.4	1
32	Medical-Grade Channel Access and Admission Control in 802.11e EDCA for Healthcare Applications. <i>PLoS ONE</i> , 2016 , 11, e0160052	3.7	6
31	Design of a medical-grade QoS metric for wireless environments. <i>Transactions on Emerging Telecommunications Technologies</i> , 2016 , 27, 1022-1029	1.9	5
30	Robust coordinated transmission for cooperative small cell networks. <i>IET Communications</i> , 2016 , 10, 2184-2191	1.3	

29	Spatial retreat of net-drones under communication failure 2016 ,		5
28	Medical-Grade Quality of Service for Real-Time Mobile Healthcare. <i>Computer</i> , 2015 , 48, 41-49	1.6	9
27	2015 ,		3
26	A novel method for device-related electroencephalography artifact suppression to explore cochlear implant-related cortical changes in single-sided deafness. <i>Journal of Neuroscience Methods</i> , 2015 , 255, 22-8	3	12
25	Optimal coverage control for net-drone handover 2015 ,		8
24	Enhanced Fast Handover for Network Mobility in Intelligent Transportation Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 357-371	6.8	19
23	Guaranteeing the End-to-End Latency of an IMA System with an Increasing Workload. <i>IEEE Transactions on Computers</i> , 2014 , 63, 1460-1473	2.5	5
22	Robust Path Diversity for Network Quality of Service in Cyber-Physical Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 2204-2215	11.9	24
21	Contention window adaptation for coexistence of WBAN and WLAN in medical environments 2014 ,		2
20	Performance evaluation of improved fast PMIPv6-based network mobility for intelligent transportation systems. <i>Journal of Communications and Networks</i> , 2013 , 15, 142-152	4.1	11
19	Analysis and Design of Best-Effort Broadcasting Services in Cellular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 3953-3963	6.8	0
18	Design of a crossbar VOQ real-time switch with clock-driven scheduling for a guaranteed delay bound. <i>Real-Time Systems</i> , 2013 , 49, 117-135	1.3	13
17	Adaptive two-level frame aggregation in IEEE 802.11n WLAN 2012 ,		14
16	Functional-level energy characterization of μ /OS-II and Cache locking for energy saving. <i>Bell Labs Technical Journal</i> , 2012 , 17, 219-227	0.5	4
15	Capacity analysis of best-effort broadcasting services with reliability constraint 2012 ,		2
14	Self-Optimization of RACH Power Considering Multi-Cell Outage in 3GPP LTE Systems 2012 ,		5
13	Wireless LAN with medical-grade QoS for e-healthcare. <i>Journal of Communications and Networks</i> , 2011 , 13, 149-159	4.1	27
12	A medical-grade wireless architecture for remote electrocardiography. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2011 , 15, 260-7		28

11	Scheduling and control co-design under end-to-end response time constraints in cyber-physical systems 2011 ,		2
10	Optimal physical carrier sense in wireless networks. <i>Ad Hoc Networks</i> , 2011 , 9, 16-27	4.8	8
9	Adaptive contention control for improving end-to-end throughput performance of multihop wireless networks. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 696-705	9.6	2
8	Cross-Layer Quality Assessment of Scalable Video Services on Mobile Embedded Systems. <i>IEEE Transactions on Mobile Computing</i> , 2010 , 9, 1478-1490	4.6	5
7	A Hybrid Architecture for Delay Analysis of Interleaved FEC on Mobile Platforms. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 2087-2092	6.8	4
6	A Cross-layer Dual Queue Approach for Improving TCP Fairness in Infrastructure WLANs. <i>Wireless Personal Communications</i> , 2009 , 51, 499-516	1.9	7
5	. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 5280-5289	9.6	15
4	Design and analysis of asynchronous wakeup for wireless sensor networks. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 5530-5541	9.6	13
3	Optimization driven bandwidth provisioning in service overlay networks. <i>Computer Communications</i> , 2008 , 31, 3169-3177	5.1	2
2	Robust delay estimator for playout buffering in Internet audio applications. <i>Computer Communications</i> , 2005 , 28, 1938-1946	5.1	
1	Anti-windup compensator for active queue management in TCP networks. <i>Control Engineering Practice</i> , 2003 , 11, 1127-1142	3.9	14