

# Su Min Kim

## List of Publications by Year in descending order

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46  
papers

426  
citations

840776

11  
h-index

794594

19  
g-index

47  
all docs

47  
docs citations

47  
times ranked

397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial Group Based Random Access for M2M Communications. IEEE Communications Letters, 2014, 18, 961-964.	4.1	77
2	An Early Preamble Collision Detection Scheme Based on Tagged Preambles for Cellular M2M Random Access. IEEE Transactions on Vehicular Technology, 2017, 66, 5974-5984.	6.3	48
3	Virtual full-duplex buffer-aided relaying in the presence of inter-relay interference. IEEE Transactions on Wireless Communications, 2016, 15, 2966-2980.	9.2	32
4	Artificial Noise-Aided User Scheduling for Optimal Secrecy Multiuser Diversity. IEEE Communications Letters, 2017, 21, 528-531.	4.1	18
5	A Preamble Collision Resolution Scheme via Tagged Preambles for Cellular IoT/M2M Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 1825-1829.	6.3	18
6	On the Entropy Computation of Large Complex Gaussian Mixture Distributions. IEEE Transactions on Signal Processing, 2015, 63, 4710-4723.	5.3	16
7	A Genetic Algorithm-Based Soft Decision Fusion Scheme in Cognitive IoT Networks with Malicious Users. Wireless Communications and Mobile Computing, 2020, 2020, 1-10.	1.2	16
8	A Double Adaptive Approach to Tackle Malicious Users in Cognitive Radio Networks. Wireless Communications and Mobile Computing, 2019, 2019, 1-9.	1.2	15
9	Support Vector Machine-Based Classification of Malicious Users in Cognitive Radio Networks. Wireless Communications and Mobile Computing, 2020, 2020, 1-11.	1.2	15
10	Message-Embedded Random Access for Cellular M2M Communications. IEEE Communications Letters, 2016, 20, 902-905.	4.1	13
11	Adaptive Multiuser Scheduling for Simultaneous Wireless Information and Power Transfer in a Multicell Environment. IEEE Transactions on Wireless Communications, 2017, 16, 7460-7474.	9.2	13
12	Physical Layer Security in Multi-Tag Ambient Backscatter Communications – Jamming vs. Cooperation. , 2020, , .		13
13	Physical Layer Security Improvement Using Artificial Noise-Aided Tag Scheduling in Ambient Backscatter Communication Systems. , 2019, , .		11
14	Boosted Trees Algorithm as Reliable Spectrum Sensing Scheme in the Presence of Malicious Users. Electronics (Switzerland), 2020, 9, 1038.	3.1	11
15	LSTPD: Least Slack Time-Based Preemptive Deadline Constraint Scheduler for Hadoop Clusters. IEEE Access, 2020, 8, 111751-111762.	4.2	10
16	Establishment of Trust in Internet of Things by Integrating Trusted Platform Module: To Counter Cybersecurity Challenges. Complexity, 2020, 2020, 1-9.	1.6	10
17	Robust Spectrum Sensing via Double-Sided Neighbor Distance Based on Genetic Algorithm in Cognitive Radio Networks. Mobile Information Systems, 2020, 2020, 1-10.	0.6	9
18	Artificial Noise-Aided User Scheduling From the Perspective of Secrecy Outage Probability. IEEE Transactions on Vehicular Technology, 2018, 67, 7816-7820.	6.3	8

#	ARTICLE	IF	CITATIONS
19	Effects of Multiple Antennas and Imperfect Channel Knowledge on Secrecy Multiuser Diversity. IEEE Communications Letters, 2015, 19, 1564-1567.	4.1	7
20	Particle Swarm Optimization in the Presence of Malicious Users in Cognitive IoT Networks with Data. Scientific Programming, 2020, 2020, 1-11.	0.7	7
21	Differential Evolution Based Machine Learning Scheme for Secure Cooperative Spectrum Sensing System. Electronics (Switzerland), 2021, 10, 1687.	3.1	7
22	Enhanced spatial group based random access for cellular M2M communications. , 2015, , .		6
23	Cyber Security and Key Management Issues for Internet of Things: Techniques, Requirements, and Challenges. Complexity, 2020, 2020, 1-9.	1.6	5
24	Optimal Multiuser Diversity in Multi-Cell MIMO Uplink Networks: User Scaling Law and Beamforming Design. Entropy, 2017, 19, 393.	2.2	4
25	A Comparative Analysis of Different Outlier Detection Techniques in Cognitive Radio Networks with Malicious Users. Wireless Communications and Mobile Computing, 2020, 2020, 1-18.	1.2	4
26	Task Priority-Based Cached-Data Prefetching and Eviction Mechanisms for Performance Optimization of Edge Computing Clusters. Security and Communication Networks, 2021, 2021, 1-10.	1.5	4
27	Adaptive Sensing Period Based Distributed Medium Access Control for Cognitive Radio Networks. IEICE Transactions on Communications, 2014, E97.B, 2502-2511.	0.7	4
28	Capacity Analysis of Continuous-Time Time-Variant Asynchronous Uplink Wideband CDMA System. , 2014, , .		3
29	An Efficient Contention-Window Based Reporting for Internet of Things Features in Cognitive Radio Networks. Wireless Communications and Mobile Computing, 2019, 2019, 1-9.	1.2	3
30	Performance Analysis of Multi-Tag Multi-Reader Ambient Backscatter Communication Systems. , 2019, , .		3
31	A Correlation-Based Sensing Scheme for Outlier Detection in Cognitive Radio Networks. Applied Sciences (Switzerland), 2021, 11, 2362.	2.5	3
32	Sidelobe Reduction in NC-OFDM-Based CRNs Using Differential Evolution-Assisted Generalized Sidelobe Canceller. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	1.2	3
33	Robust spectrum sensing against malicious users using particle swarm optimization. ICT Express, 2023, 9, 106-111.	4.8	3
34	Genetic Algorithm Based Cooperative Spectrum Sensing Optimization in the Presence of Malicious Users in Cognitive Radio Networks. , 2019, , .		2
35	Capacity Analysis of Uplink WCDMA Systems with Imperfect Channel State Information. , 2015, , .		1
36	Secrecy multiuser diversity for distributed antenna systems from the perspective of user-scaling law. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Uplink Waveform Channel With Imperfect Channel State Information and Finite Constellation Input. IEEE Transactions on Wireless Communications, 2017, 16, 1107-1119.	9.2	1
38	Virtual full-duplex relay selection in relay-assisted cognitive radio networks. , 2017, , .		1
39	Multi-Tag Selection in Cognitive Ambient Backscatter Communications for Next-Generation IoT Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	1.2	1
40	Waveform domain framework for capacity analysis of uplink WCDMA systems. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	0
41	Improving Spectrum Sensing and Reporting via Multi-Antenna in Cognitive Radio Networks. , 2019, , .		0
42	Impact of Imperfect Spectrum Sensing on Hybrid Backscatter Assisted Cognitive Wireless Powered Radio Networks. , 2019, , .		0
43	Performance Improvement of Ambient Backscatter Communications in Cognitive Radio Environments. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2020, 31, 12-17.	0.3	0
44	Priority-Based Energy Sharing and Management Among Prosumers in Smart Grids. IEEE Access, 2022, 10, 12179-12190.	4.2	0
45	Cognitive User Selection Based on Throughput Estimation in Cognitive Radio Networks. , 2020, , .		0
46	Bulwarking Cooperative Spectrum Sensing via Particle Swarm Optimization in Cognitive Radio Networks in the Presence of Malicious Users. , 2020, , .		0