

Ki Won Sung

List of Publications by Year in descending order

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58
papers

762
citations

759190

12
h-index

642715

23
g-index

60
all docs

60
docs citations

60
times ranked

834
citing authors

#	ARTICLE	IF	CITATIONS
1	Sparse Channel Estimation in Wideband Systems With Geometric Sequence Decomposition. IEEE Wireless Communications Letters, 2022, 11, 169-172.	5.0	2
2	Geometric Sequence Decomposition With k -Simplexes Transform. IEEE Transactions on Communications, 2021, 69, 94-107.	7.8	5
3	Noise Learning-Based Denoising Autoencoder. IEEE Communications Letters, 2021, 25, 2983-2987.	4.1	29
4	On the benefit of inter-operator cooperation in C-RAN. IET Communications, 2021, 15, 191-199.	2.2	1
5	Ground Based Sense and Avoid System for Air Traffic Management. , 2019, , .		5
6	Millimeter-Wave Interference Avoidance via Building-Aware Associations. IEEE Access, 2018, 6, 10618-10634.	4.2	9
7	Cooperation Strategies for Partly Wireless C-RAN. IEEE Communications Letters, 2018, 22, 1248-1251.	4.1	5
8	Semianalytical Approach to the PDF of SINR in HPHT and LPLT Single-Frequency Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4173-4181.	6.3	5
9	Reducing initial cell-search latency in mmWave networks. , 2018, , .		10
10	A performance comparison of in-band full duplex and dynamic TDD for 5G indoor wireless networks. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	2.4	14
11	Is spectrum sharing in the radar bands commercially attractive? a regulatory and business overview. Transactions on Emerging Telecommunications Technologies, 2016, 27, 428-438.	3.9	3
12	Energy-efficient 5G deployment in rural areas. , 2016, , .		17
13	Impact of Packet Arrivals on Wi-Fi and Cellular System Sharing Unlicensed Spectrum. IEEE Transactions on Vehicular Technology, 2016, 65, 10204-10208.	6.3	13
14	Energy efficiency and sum rate tradeoffs for massive MIMO systems with underlaid device-to-device communications. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	19
15	An economic viability analysis on energy-saving solutions for wireless access networks. Computer Communications, 2016, 75, 50-61.	5.1	5
16	Coexistence of Wi-Fi and Cellular With Listen-Before-Talk in Unlicensed Spectrum. IEEE Communications Letters, 2016, 20, 161-164.	4.1	112
17	On the throughput gain of device-to-device communications. ICT Express, 2015, 1, 67-70.	4.8	14
18	Energy efficiency and sum rate when massive MIMO meets device-to-device communication. , 2015, , .		34

#	ARTICLE	IF	CITATIONS
19	Future TV Content Delivery Over Cellular Networks From Urban to Rural Environments. IEEE Transactions on Wireless Communications, 2015, 14, 6177-6187.	9.2	8
20	Hybrid Fiber and Microwave Protection for Mobile Backhauling. Journal of Optical Communications and Networking, 2014, 6, 869.	4.8	6
21	On the sharing opportunities for ultra-dense networks in the radar bands. , 2014, , .		14
22	On Metrics and Models for Energy-Efficient Design of Wireless Access Networks. IEEE Wireless Communications Letters, 2014, 3, 649-652.	5.0	73
23	CellTV”On the Benefit of TV Distribution Over Cellular Networks: A Case Study. IEEE Transactions on Broadcasting, 2014, 60, 73-84.	3.2	24
24	Spectrum requirement for cellular TV distribution in UHF band from urban to rural environment. , 2014, , .		5
25	Energy Efficient Network Deployment With Cell DTX. IEEE Communications Letters, 2014, 18, 977-980.	4.1	32
26	Measurement of Spectrum Utilization Efficiency Considering Spectrum Sharing. The Journal of the Korea Contents Association, 2014, 14, 589-597.	0.1	0
27	Exploiting Temporal Secondary Access Opportunities in Radar Spectrum. Wireless Personal Communications, 2013, 72, 1663-1674.	2.7	15
28	On the scalability of cognitive radio: assessing the commercial viability of secondary spectrum access. IEEE Wireless Communications, 2013, 20, 28-36.	9.0	17
29	High capacity indoor and hotspot wireless systems in shared spectrum: a techno-economic analysis. , 2013, 51, 102-109.		16
30	Effect of propagation environment on area throughput of dense WLAN deployments. , 2013, , .		11
31	Attainable user throughput by dense Wi-Fi deployment at 5 GHz. , 2013, , .		2
32	A techno-economic framework of spectrum combining for indoor capacity provisioning. , 2013, , .		3
33	On the feasibility of indoor broadband secondary access to 960”1215”MHz aeronautical spectrum. Transactions on Emerging Telecommunications Technologies, 2013, 24, 724-733.	3.9	3
34	Availability assessment of secondary usage in aeronautical spectrum. , 2013, , .		2
35	Impact of densification on energy efficiency in wireless access networks. , 2012, , .		23
36	Operator competition with asymmetric strategies in shared spectrum. , 2012, , .		1

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37	Is multicell interference coordination worthwhile in indoor wireless broadband systems?. , 2012, , .		3
38	Energy and Throughput Tradeoff in Temporal Spectrum Sharing. , 2012, , .		2
39	Secondary spectrum access in TV-bands with combined co-channel and adjacent channel interference constraints. , 2012, , .		16
40	Scenario making for assessment of secondary spectrum access. IEEE Wireless Communications, 2012, 19, 25-31.	9.0	10
41	Controlling Aggregate Interference under Adjacent Channel Interference Constraint in TV White Space. , 2012, , .		16
42	On the Permissible Transmit Power for Secondary User in TV White Spaces. , 2012, , .		4
43	Cost and feasibility analysis of self-deployed cellular network. , 2011, , .		1
44	Aggregate interference from secondary users with heterogeneous density. , 2011, , .		5
45	On the requirements of secondary access to 960–1215 MHz aeronautical spectrum. , 2011, , .		12
46	Coordination of Clusters for Inter-Cell Scheduling. , 2011, , .		2
47	Cooperation and competition between wireless networks in shared spectrum. , 2011, , .		4
48	Aggregate Interference in Secondary Access with Interference Protection. IEEE Communications Letters, 2011, 15, 629-631.	4.1	33
49	Opportunistic secondary spectrum access-opportunities and limitations. , 2011, , .		1
50	Impact of aggregate interference on meteorological radar from secondary users. , 2011, , .		19
51	Distributed timeslot allocation with crossed slots in CDMA–TDD systems. Wireless Communications and Mobile Computing, 2010, 10, 337-348.	1.2	0
52	Coexistence of LTE femtocells with GSM cellular network. , 2010, , .		7
53	Temporal Spectrum Sharing Based on Primary User Activity Prediction. IEEE Transactions on Wireless Communications, 2010, 9, 3848-3855.	9.2	62
54	Downlink Capacity Analysis of Collaborative Crossed Timeslots in CDMA TDD Systems. Wireless Personal Communications, 2009, 50, 469-481.	2.7	0

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55	Determination of the multi-slot transmission in Bluetooth systems with the estimation of the channel error probability. <i>Wireless Communications and Mobile Computing</i> , 2006, 6, 61-68.	1.2	0
56	Dynamic resource allocation for CDMA-TDD indoor wireless systems. <i>Wireless Communications and Mobile Computing</i> , 2003, 3, 921-931.	1.2	4
57	Cell based QoS provisioning scheme for indoor wireless network. , 0, , .		0
58	Call admission control for real time multimedia services with variable bit rate in WCDMA systems. , 0, , .		2