Han-Shin Jo

List of Publications by Year
in descending order

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53	1,955	471509 17	302126 39
papers	citations	h-index	g-index

53	53	53	1571
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heterogeneous Cellular Networks with Flexible Cell Association: A Comprehensive Downlink SINR Analysis. IEEE Transactions on Wireless Communications, 2012, 11, 3484-3495.	9.2	898
2	Interference mitigation using uplink power control for two-tier femtocell networks. IEEE Transactions on Wireless Communications, 2009, 8, 4906-4910.	9.2	264
3	Self-Optimized Coverage Coordination in Femtocell Networks. IEEE Transactions on Wireless Communications, 2010, 9, 2977-2982.	9.2	90
4	Path Loss Prediction Based on Machine Learning Techniques: Principal Component Analysis, Artificial Neural Network, and Gaussian Process. Sensors, 2020, 20, 1927.	3.8	73
5	Reverse-Link Interrogation Range of a UHF MIMO-RFID System in Nakagami- m Fading Channels. IEEE Transactions on Industrial Electronics, 2010, 57, 1468-1477.	7.9	50
6	Downlink Femtocell Networks: Open or Closed?. , 2011, , .		46
7	Coexistence of Power-Controlled Cellular Networks With Rotating Radar. IEEE Journal on Selected Areas in Communications, 2016, 34, 2605-2616.	14.0	39
8	The Feasibility of Coexistence Between 5G and Existing Services in the IMT-2020 Candidate Bands in Malaysia. IEEE Access, 2017, 5, 14867-14888.	4.2	37
9	Performance Analysis of Two-Way Relaying in Cooperative Power Line Communications. IEEE Access, 2019, 7, 97264-97280.	4.2	30
10	Cognitive UAV-Aided URLLC and mMTC Services: Analyzing Energy Efficiency and Latency. IEEE Access, 2021, 9, 5011-5027.	4.2	28
11	Outage Probability for Heterogeneous Cellular Networks with Biased Cell Association. , 2011, , .		27
12	Path Loss Characteristics for IMT-Advanced Systems in Residential and Street Environments. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 867-871.	4.0	25
13	Fundamentals of Inter-Cell Overhead Signaling in Heterogeneous Cellular Networks. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 257-269.	10.8	22
14	Coexistence of 5G With Satellite Services in the Millimeter-Wave Band. IEEE Access, 2020, 8, 163618-163636.	4.2	22
15	The coexistence of OFDM-based systems beyond 3G with fixed service microwave systems. Journal of Communications and Networks, 2006, 8, 187-193.	2.6	20
16	Deep Reinforcement Learning-Based Distributed Congestion Control in Cellular V2X Networks. IEEE Wireless Communications Letters, 2021, 10, 2582-2586.	5.0	19
17	Capacity Loss Due to Polarization-Mismatch and Space-Correlation on MISO Channel. IEEE Transactions on Wireless Communications, 2014, 13, 2124-2136.	9.2	18
18	Spectrum-Sharing Method for Co-Existence Between 5G OFDM-Based System and Fixed Service. IEEE Access, 2019, 7, 77460-77475.	4.2	18

#	Article	IF	Citations
19	Delay Optimization in Mobile Edge Computing: Cognitive UAV-Assisted eMBB and mMTC Services. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1019-1033.	7.9	18
20	Secrecy Outage Analysis in NOMA Power Line Communications. IEEE Communications Letters, 2021, 25, 1448-1452.	4.1	17
21	Low-Resolution ADC Quantized Full-Duplex Massive MIMO-Enabled Wireless Backhaul in Heterogeneous Networks Over Rician Channels. IEEE Transactions on Wireless Communications, 2020, 19, 5503-5517.	9.2	14
22	Spectrum requirements for the future development of IMT-2000 and systems beyond IMT-2000. Journal of Communications and Networks, 2006, 8, 169-174.	2.6	13
23	Modeling and Analysis on Radio Interference of OFDM Waveforms for Coexistence Study. IEEE Access, 2019, 7, 35132-35147.	4.2	13
24	Interference mitigation technique for the sharing between IMT-advanced and fixed satellite service. Journal of Communications and Networks, 2007, 9, 159-166.	2.6	11
25	Noise-Jamming Effect as a Countermeasure Against TEMPEST During High-Speed Signaling. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1491-1500.	2.2	11
26	Preamble-Based Adaptive Channel Estimation for IEEE 802.11p. Sensors, 2019, 19, 2971.	3.8	11
27	An optimization based approach to enhance the throughput and energy efficiency for cognitive unmanned aerial vehicle networks. Wireless Networks, 2021, 27, 475-493.	3.0	11
28	Codebook-Based Precoding for SDMA-OFDMA with Spectrum Sharing. ETRI Journal, 2011, 33, 831-840.	2.0	11
29	Path-loss characteristics in subway tunnels at 2.65 GHz. Microwave and Optical Technology Letters, 2006, 48, 383-386.	1.4	10
30	An Advanced MCL Method for Assessing Interference Potential of OFDM-Based Systems beyond 3G with Dynamic Power Allocation. , 2006, , .		9
31	Deep Q-Learning-Based Transmission Power Control of a High Altitude Platform Station with Spectrum Sharing. Sensors, 2022, 22, 1630.	3.8	9
32	Modeling Method for Interference Analysis between IMT-2020 and Satellite in the mmWave Band. , 2019, , .		8
33	Coexistence of OFDM-Based IMT-Advanced and FM Broadcasting Systems. ETRI Journal, 2011, 33, 279-282.	2.0	8
34	Spectral Coexistence of IMT-2020 with Fixed-Satellite Service in the 27-27.5 GHz Band. , 2018, , .		7
35	Adjacent Channel Compatibility Evaluation and Interference Mitigation Technique Between Earth Station in Motion and IMT-2020. IEEE Access, 2020, 8, 213185-213205.	4.2	7
36	SLES: Scheduling-Based Low Energy Synchronization for Industrial Internet of Things. IEEE Sensors Journal, 2022, 22, 16652-16661.	4.7	6

#	Article	IF	Citations
37	A Low-Complexity I/Q Imbalance Calibration Method for Quadrature Modulator. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2019, 27, 974-977.	3.1	5
38	Compatibility between LTE and airport surveillance radar in 2700â€“2900 MHz radar bands. , 2015, , .		4
39	Adjacent Channel Interference from Maritime Earth Station in Motion to 5G Mobile Service. , 2018, , .		4
40	Methods to Evaluate and Mitigate the Interference from Maritime ESIM to Other Services in 27.5-29.5 GHz Band. , 2018, , .		3
41	Radio Remote Head Clustering with Affinity Propagation Algorithm in C-RAN. , 2019, , .		3
42	RRH Clustering Using Affinity Propagation Algorithm with Adaptive Thresholding and Greedy Merging in Cloud Radio Access Network. Sensors, 2021, 21, 480.	3.8	3
43	Opportunistic Polarization-Matching for Multiuser Polarized MISO Downlink. IEEE Communications Letters, 2017, 21, 909-912.	4.1	2
44	Adjacent Channel Compatibility between OFDM-Based Earth Station in Motion and 5G. , 2019, , .		2
45	Interference Analysis for Compatibility Evaluation between Aeronautical Earth Station in Motion and 5G Mobile Communications. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 733-741.	0.3	2
46	Coexistence between 5G Mobile Communication and Fixed-Satellite Service in the Millimeter Wave Band. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 742-753.	0.3	2
47	Generalized Gradient Scheduling for Vector Network Utility Maximization. IEEE Communications Letters, 2013, 17, 111-114.	4.1	1
48	Optimal Planar Array Architecture for Full-Dimensional Multi-user Multiple-Input Multiple-Output with Elevation Modeling. ETRI Journal, 2017, 39, 234-244.	2.0	1
49	Decode-and-Forward Two-Way Relaying in Power Line Communications. , 2019, , .		1
50	Dynamic Small-Cell Clustering Using Affinity Propagation Algorithm in Asynchronous 5G NR OFDM Systems. IEEE Communications Letters, 2021, 25, 3629-3633.	4.1	1
51	Dynamic RRH Clustering using Affinity Propagation Algorithm in Ultra-Dense C-RAN. , 2020, , .		1
52	Spatio-Temporal Opportunistic Spectrum Sharing between Rotating Radar and Cellular Networks. , 2017, , .		0
53	Frequency and circularâ€polarization switchable microstrip antenna for dynamic spectrum allocation. Microwave and Optical Technology Letters, 2018, 60, 2753-2759.	1.4	0