Kwang Soon Kim

List of Publications by Year
in descending order

61 papers	**1,109** citations	567281 **15** h-index	434195 **31** g-index
61 all docs	**61** docs citations	**61** times ranked	**1223** citing authors

#	Article	IF	Citations
1	Smart Packet Transmission Scheduling in Cognitive IoT Systems: DDQN Based Approach. IEEE Access, 2022, 10, 50023-50036.	4.2	24
2	Refiner GAN Algorithmically Enabled Deep-RL for Guaranteed Traffic Packets in Real-Time URLLC B5G Communication Systems. IEEE Access, 2022, 10, 50662-50676.	4.2	18
3	A Personalized Preference Learning Framework for Caching in Mobile Networks. IEEE Transactions on Mobile Computing, 2021, 20, 2124-2139.	5.8	17
4	Energy-Efficient Resource Allocation for Ultra-Dense Licensed and Unlicensed Dual-Access Small Cell Networks. IEEE Transactions on Mobile Computing, 2021, 20, 983-1000.	5.8	20
5	Interference-Aware Opportunistic Random Access in Dense IoT Networks. IEEE Access, 2020, 8, 93472-93486.	4.2	5
6	Hybrid Precoding Based on Monopulse Ratio for Millimeter Wave Systems With Limited Feedback. IEEE Access, 2020, 8, 175329-175346.	4.2	2
7	Large-scale cloud radio access networks: Fundamental asymptotic analysis. Journal of Communications and Networks, 2019, 21, 85-99.	2.6	1
8	Ultrareliable and Low-Latency Communication Techniques for Tactile Internet Services. Proceedings of the IEEE, 2019, 107, 376-393.	21.3	95
9	Millimeter-Wave Interference Avoidance via Building-Aware Associations. IEEE Access, 2018, 6, 10618-10634.	4.2	9
10	Load-Balancing Scheme With Small-Cell Cooperation for Clustered Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 633-649.	6.3	17
11	OP-Map Based Next Generation Frequency Sharing System. , 2018, , .		1
12	Interference Analysis of Joint-Spatial-Division and Reuse method for Next-Generation WLAN System. , 2018, , .		0
13	DOA estimation in Cyclic Prefix OFDM Systems in LOS mmWave Channel using Monopulse Ratio. , 2018, , .		2
14	Efficient Load Balancing Scheme in 5G Heterogeneous Cellular Networks. , 2018, , .		0
15	Waveform Multiplexing for New Radio: Numerology Management and 3D Evaluation. IEEE Wireless Communications, 2018, 25, 86-94.	9.0	10
16	Map-based System-level Performance of Full-duplex in Small Cell Networks. , 2018, , .		0
17	Self-Interference Cancellation for LTE-Compatible Full-Duplex Systems. , 2018, , .		4
18	User Detection Performance Analysis for Grant-Free Uplink Transmission in Large-Scale Antenna Systems. , 2018, , .		3

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19	A Survey on Hybrid Beamforming Techniques in 5G: Architecture and System Model Perspectives. IEEE Communications Surveys and Tutorials, 2018, 20, 3060-3097.	39.4	456
20	Self-Organized Energy-Efficient Cross-Layer Optimization for Device to Device Communication in Heterogeneous Cellular Networks. IEEE Access, 2017, 5, 1117-1128.	4.2	22
21	Waveform multiplexing for 5G: A concept and 3D evaluation. , 2017, , .		2
22	Accumulate Repeat Accumulate Check Accumulate Codes. IEEE Transactions on Communications, 2017, 65, 4585-4599.	7.8	2
23	Optimal Semi-Persistent Uplink Scheduling Policy for Large-Scale Antenna Systems. IEEE Access, 2017, 5, 22902-22915.	4.2	6
24	A Practical Tessellation-Based Approach for Optimizing Cell-Specific Bias Values in LTE-A Heterogeneous Cellular Networks. Mathematical Problems in Engineering, 2017, 2017, 1-11.	1.1	1
25	Massive MIMO full-duplex for high-efficiency next generation WLAN systems. , 2016, , .		8
26	Smart Small Cell with Hybrid Beamforming for 5G: Theoretical Feasibility and Prototype Results. IEEE Wireless Communications, 2016, 23, 124-131.	9.0	47
27	Multiâ€user massive MIMO for nextâ€generation WLAN systems. Electronics Letters, 2015, 51, 792-794.	1.0	10
28	The impact of interference on large-scale cloud radio access networks. , 2015, , .		0
29	UL e-ICIC Scheme Using SLP-ABS for Self-Organized Heterogeneous Cellular Networks. IEEE Communications Letters, 2015, 19, 86-89.	4.1	0
30	On the Uplink SIR Distributions in Heterogeneous Cellular Networks. IEEE Communications Letters, 2014, 18, 2145-2148.	4.1	22
31	Load Distribution in Heterogeneous Cellular Networks. IEEE Communications Letters, 2014, 18, 237-240.	4.1	12
32	Low-Complexity DFT-Based Channel Estimation with Leakage Nulling for OFDM Systems. IEEE Communications Letters, 2014, 18, 415-418.	4.1	12
33	Delay-Constrained Random Access Transport Capacity. IEEE Transactions on Wireless Communications, 2013, 12, 1628-1639.	9.2	7
34	Hierarchical Tree Search for Runtime-Constrained Soft-Output MIMO Detection. IEEE Transactions on Vehicular Technology, 2013, 62, 890-896.	6.3	2
35	Performance Analysis and Optimization of Best-M Feedback for OFDMA Systems. IEEE Communications Letters, 2012, 16, 1648-1651.	4.1	19
36	Efficient coordinated multi-cell processing (CoMP) scheme selection and radio resource management. , 2012, , .		0

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37	Joint feedback design for multiple access channel. , 2012, , .		0
38	Generalized Cross-Correlation Properties of Chu Sequences. IEEE Transactions on Information Theory, 2012, 58, 438-444.	2.4	42
39	Optimal Pilot Sequence Design for Multi-Cell MIMO-OFDM Systems. IEEE Transactions on Wireless Communications, 2011, 10, 3354-3367.	9.2	27
40	An overlaid Hybrid-Duplex OFDMA system with partial frequency reuse. , 2011, , .		1
41	Throughput analysis of MIMO cooperative decode-and-forward HARQ protocols. , 2010, , .		0
42	Variable power and rate allocation using simple CQI for multiuser OFDMA-CDM systems. IEEE Transactions on Wireless Communications, 2009, 8, 2776-2782.	9.2	0
43	Performance Analysis of Proportional Fair Scheduling with Partial Feedback Information for Multiuser Multicarrier Systems. , 2009, , .		26
44	A Self-Organized Femtocell for IEEE 802.16e System. , 2009, , .		22
45	The maximum achievable throughput of a decode-and-forward based hybrid-ARQ protocol. , 2009, , .		4
46	Practical network-coding scheme for two-way relay channels employing a rate-compatible punctured code. IEICE Electronics Express, 2009, 6, 1522-1527.	0.8	1
47	Performance analysis of a decode-and-forward based hybrid-ARQ protocol. , 2008, , .		4
48	Adaptive Inter-Cell Interference Management for Downlink FH-OFDMA Systems. International Conference on Advanced Communication Technology, 2008, , .	0.0	1
49	Closed-Form SINR Distributions for OFDMA Cellular System using Fixed Relays. , 2008, , .		1
50	Structured puncturing for rate-compatible B-LDPC codes with dual-diagonal parity structure. IEEE Transactions on Wireless Communications, 2008, 7, 3692-3696.	9.2	12
51	Overlaid HDD System Using Relays. International Conference on Advanced Communication Technology, 2008, , .	0.0	0
52	Low Complexity MMSE-SIC Equalizer Employing Time-Domain Recursion for OFDM Systems. IEEE Signal Processing Letters, 2008, 15, 633-636.	3.6	27
53	Synchronization and Cell-Search Technique Using Preamble for OFDM Cellular Systems. IEEE Transactions on Vehicular Technology, 2007, 56, 3469-3485.	6.3	28
54	Efficient Puncturing Method for Rate-Compatible Low-Density Parity-Check Codes. IEEE Transactions on Wireless Communications, 2007, 6, 3914-3919.	9.2	34

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55	Opportunistic Scheduling with Partial CQRI Feedback in OFSDMA Systems. , 2007, , .		0
56	Efficient Adaptive Transmission Technique for Multiuser OFDMA Systems with Reduced Feedback Rate. , 2006, , .		1
57	Adaptive Modulation Technique with Partial CQI for Multiuser OFDMA Systems. , 2006, , .		6
58	Adaptive modulation and coding on multipath Rayleigh fading channels based on channel prediction. , 2006, , .		6
59	Design of an LDPC code with low error floor. , 2005, , .		2
60	On LDPC Decoding for Frequency Hopping OFDMA Cellular Systems in the Downlink. , 0, , .		1
61	Efficient adaptive modulation and power allocation algorithm for OFDMA cellular systems. , 0, , .		7