

Hyuncheol 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.

69 papers	829 citations	11 h-index	27 g-index
103 ext. papers	1,021 ext. citations	5.6 avg, IF	4.75 L-index

#	Paper	IF	Citations
69	Energy Balancing Resource Allocation for Wireless Cooperative IoT Networks with SWIPT. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	0
68	MaxMin Throughput Optimization in FDD Multiantenna Wirelessly Powered IoT Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5866-5880	10.7	1
67	120-GHz Wideband I/Q Receiver Based on Baseband Equalizing Technique. <i>IEEE Journal of Solid-State Circuits</i> , 2021 , 56, 1697-1710	5.5	3
66	Joint Time Allocation for Wireless Energy Harvesting Decode-and-Forward Relay-Based IoT Networks With Rechargeable and Nonrechargeable Batteries. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 2792-2801	10.7	5
65	Joint Beamforming and Power Splitting for Wideband Millimeter Wave SWIPT Systems. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 1-1	7.5	2
64	Multiple Intelligent Reflecting Surfaces for Capacity Maximization in LOS MIMO Systems. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1727-1731	5.9	3
63	Joint Precoding and Power Allocation for Multiuser MIMO System With Nonlinear Power Amplifiers. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 8883-8897	6.8	1
62	Phase Aligned Time-Reversal for Multi-User Wireless Power Transfer Systems With Non-Linear Energy Harvesting. <i>IEEE Access</i> , 2021 , 9, 109976-109985	3.5	2
61	Joint Communication and Localization in Millimeter Wave Networks. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 1-1	7.5	5
60	Limited Feedback Hybrid Beamforming for Multi-Mode Transmission in Wideband Millimeter Wave Channel. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 4008-4022	9.6	10
59	A Novel Frequency Domain Preamble Detection for OFDM based WLAN Systems 2020 ,		1
58	Q-Learning-Based Low Complexity Beam Tracking for mmWave Beamforming System 2020 ,		3
57	Polar Coding-Based Selective Mapping for PAPR Reduction Without Redundant Information Transmission. <i>IEEE Communications Letters</i> , 2020 , 24, 1621-1625	3.8	1
56	Design of QAM-FBMC Waveforms Considering MMSE Receiver. <i>IEEE Communications Letters</i> , 2020 , 24, 131-135	3.8	4
55	Machine-Learning-Based Read Reference Voltage Estimation for NAND Flash Memory Systems Without Knowledge of Retention Time. <i>IEEE Access</i> , 2020 , 8, 176416-176429	3.5	5
54	MMSE-Interference Canceling Receiver for QAM-FBMC Systems. <i>IEEE Communications Letters</i> , 2020 , 24, 2589-2593	3.8	3
53	Precoding Design and Power Control for SINR Maximization of MISO System With Nonlinear Power Amplifiers. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 14019-14024	6.8	2

52	ML Phase Estimation in Flat Fading Channel With 1-Bit Quantization and Time-Oversampling 2020 ,		2
51	Analysis of CFO Estimation for QAM-FBMC Systems Considering Non-Orthogonal Prototype Filters. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 6761-6774	6.8	2
50	Regularized Zero-Forcing Precoder for Massive MIMO System With Transceiver I/Q Imbalances. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 1028-1031	5.9	6
49	Design on the Waveform for QAM-FBMC System in the Presence of Residual CFO 2019 ,		4
48	MDS coded caching with MRT and its optimization. <i>ICT Express</i> , 2019 , 5, 60-64	4.9	
47	Joint User Association and Beamforming Design for Millimeter Wave UDN With Wireless Backhaul. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 2653-2668	14.2	23
46	Millimeter Wave SDMA With Limited Feedback: RF-Only Beamforming Can Outperform Hybrid Beamforming. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 1534-1548	6.8	11
45	MDS-Coded Caching Leveraged by Coordinated Multi-Point Transmission. <i>IEEE Communications Letters</i> , 2018 , 22, 1220-1223	3.8	5
44	Beamforming Design for Multi-Hop Amplify-and-Forward MIMO Relay. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 8144-8153	6.8	1
43	Codebook Optimization for the Superposition Transmission of Uplink SCMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 10112-10117	6.8	4
42	Maximizing Ergodic Throughput in Wireless Powered Communication Networks 2018 ,		2
41	Time Reversal Scheme using Multiple Transmit Antennas for SWIPT in Indoor Channel 2018 ,		2
40	Gaussian Approximation-Based Belief Propagation Receiver for Uplink SCMA Systems With Imperfect CSIR. <i>IEEE Communications Letters</i> , 2018 , 22, 2611-2614	3.8	1
39	Beamforming for Full-Duplex Multiuser MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 2423-2432	6.8	17
38	Sparse Structure-Based Channel Estimation for Uplink SCMA System. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 8037-8046	6.8	11
37	Uplink SCMA System With Multiple Antennas. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 6982-6992	6.8	16
36	Joint Relay Beamforming Design for Multilevel Nondistributed and Distributed Amplify-and-Forward Relay Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 4443-4448	6.8	1
35	Waveform design for QAM-FBMC systems 2017 ,		11

34	CFO estimation for QAM-FBMC systems considering non-orthogonal prototype filters 2017 ,		2
33	Beamforming Design for Full-Duplex Two-Way Amplify-and-Forward MIMO Relay. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 6705-6715	9.6	23
32	A joint scheduling and millimeter wave hybrid beamforming system with partial side information 2016 ,		16
31	An Enhanced QAM-FBMC Scheme With Interference Mitigation. <i>IEEE Communications Letters</i> , 2016 , 20, 2237-2240	3.8	12
30	The effect of void on characteristics of LDMOS power amplifier. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 691-694	1.2	
29	BER of MIMO-BICM System at Current Detection/Decoding Cycle. <i>IEEE Wireless Communications Letters</i> , 2016 , 1-1	5.9	
28	Centralized Two-Way AF MIMO Multiple Dispersed Relay Network. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 2133-2138	6.8	1
27	An Efficient Hybrid Beamforming Scheme for Sparse Millimeter Wave Channel 2015 ,		4
26	Asymptotic Sum Rate in Spatially Correlated Two-Cell Channel With User Scheduling. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 1235-1243	6.8	1
25	Spin nano-oscillator-based wireless communication. <i>Scientific Reports</i> , 2014 , 4, 5486	4.9	82
24	A Closed-Form Expression of Optimal Time for Two-Way Relay Using DF MABC Protocol. <i>IEEE Communications Letters</i> , 2014 , 18, 721-724	3.8	10
23	Closed Form of Optimum Cooperative Distributed Relay Amplifying Matrix. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 2741-2755	9.6	4
22	A low complexity user selection scheme in downlink MU-MIMO system 2014 ,		2
21	A Coding Scheme for Visible Light Communication With Wide Dimming Range. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 465-468	2.2	36
20	Optimal time allocation for two-way relay channel using physical-layer network coding. <i>IET Communications</i> , 2014 , 8, 2469-2475	1.3	3
19	An Efficient Cooperation Strategy and Cooperation Region Analysis in Cognitive Femtocell Networks 2014 ,		1
18	Design of Millimeter Wave Hybrid Beamforming Systems 2014 ,		14
17	Optimal Amplify-and-Forward Precode and Relay Amplifying Matrices 2013 ,		2

16	A Binary Space-Time Code for Additional Diversity Gains. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 5780-5787	9.6	1
15	A cooperative AF wireless relay network under three wireless communication conditions with relay power constraint 2013 ,		2
14	New Subcarrier Allocation for Uplink-OFDMA under Time-Varying Channels. <i>IEEE Transactions on Communications</i> , 2013 , 61, 7-12	6.9	3
13	AF MIMO Beamforming Relay Networks under Various Power Constraints 2013 ,		1
12	Optimal power allocation for two-way decode-and-forward relay networks with equal transmit power at source nodes 2013 ,		7
11	A Spatial-Domain Joint-Nulling Method of Self-Interference in Full-Duplex Relays. <i>IEEE Communications Letters</i> , 2012 , 16, 436-438	3.8	51
10	Optimum Clustered Pilot Sequence for OFDM Systems under Rapidly Time-Varying Channel. <i>IEEE Transactions on Communications</i> , 2012 , 60, 1357-1370	6.9	9
9	Quantization error reduction scheme for hybrid beamforming 2012 ,		1
8	AF MIMO Wireless Relay Networks under Received Power Constraint 2012 ,		2
7	Adaptive frame size estimation using extended Kalman filter for high-stressed WLANs 2012 ,		2
6	Indoor Channel Characteristics for Visible Light Communications. <i>IEEE Communications Letters</i> , 2011 , 15, 217-219	3.8	330
5	Improved Stopping Set Elimination by Parity-Check Matrix Extension of LDPC Codes. <i>IEEE Communications Letters</i> , 2011 , 15, 557-559	3.8	2
4	High-Throughput Low-Complexity Link Adaptation for MIMO BIC-OFDM Systems. <i>IEEE Transactions on Communications</i> , 2011 , 59, 1078-1088	6.9	6
3	An efficient CP compensation for SC-FDE with insufficient CP symbols. <i>IEEE Communications Letters</i> , 2010 , 14, 548-550	3.8	10
2	A per-stream coded bit loading algorithm for MIMO BIC-OFDM systems 2010 ,		2
1	Performance of MC-CDM Systems With MMSEC Over Rayleigh Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 3126-3130	6.8	5