Hyun Jong Yang

List of Publications by Year
in descending order

50 papers	718 citations	623734 14 h-index	526287 27 g-index
50 all docs	50 docs citations	50 times ranked	735 citing authors

#	Article	IF	Citations
1	Multiuser Overhearing for Cooperative Two-Way Multiantenna Relays. IEEE Transactions on Vehicular Technology, 2016, 65, 3796-3802.	6.3	113
2	Opportunistic Interference Alignment for MIMO Interfering Multiple-Access Channels. IEEE Transactions on Wireless Communications, 2013, 12, 2180-2192.	9.2	73
3	Modified High-Order PAMs for Binary Coded Physical-Layer Network Coding. IEEE Communications Letters, 2010, 14, 689-691.	4.1	55
4	Adaptive Overhearing in Two-Way Multi-Antenna Relay Channels. IEEE Signal Processing Letters, 2016, 23, 117-120.	3.6	53
5	Asymptotic Capacity of the Separated MIMO Two-Way Relay Channel. IEEE Transactions on Information Theory, 2011, 57, 7542-7554.	2.4	51
6	Distributed Sum-Rate Optimization for Full-Duplex MIMO System Under Limited Dynamic Range. IEEE Signal Processing Letters, 2013, 20, 555-558.	3.6	48
7	Blind Calibration for a Linear Array With Gain and Phase Error Using Independent Component Analysis. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1259-1262.	4.0	45
8	Opportunistic Downlink Interference Alignment for Multi-Cell MIMO Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1533-1548.	9.2	41
9	Performance Analysis of License Assisted Access LTE with Asymmetric Hidden Terminals. IEEE Transactions on Mobile Computing, 2018, 17, 2141-2154.	5.8	25
10	Codebook-Based Opportunistic Interference Alignment. IEEE Transactions on Signal Processing, 2014, 62, 2922-2937.	5.3	24
11	Deep Reinforcement Learning-Based Resource Allocation and Power Control in Small Cells With Limited Information Exchange. IEEE Transactions on Vehicular Technology, 2020, 69, 13768-13783.	6.3	19
12	Achievable Sum-Rate of MU-MIMO Cellular Two-Way Relay Channels: Lattice Code-Aided Linear Precoding. IEEE Journal on Selected Areas in Communications, 2012, 30, 1304-1318.	14.0	18
13	A Closed-Form Power Allocation and Signal Alignment for a Diagonalized MIMO Two-Way Relay Channel With Linear Receivers. IEEE Transactions on Signal Processing, 2012, 60, 5948-5962.	5.3	16
14	Min-SINR Maximization With DL SWIPT and UL WPCN in Multi-Antenna Interference Networks. IEEE Wireless Communications Letters, 2017, 6, 318-321.	5.0	16
15	Opportunistic downlink interference alignment. , 2014, , .		12
16	Approximate Closed-Form Energy Efficient PA for MIMO Relaying Systems in the High SNR Regime. IEEE Communications Letters, 2014, 18, 1367-1370.	4.1	12
17	Resource Allocation and Power Control in Cooperative Small Cell Networks With Backhaul Constraint. IEEE Transactions on Vehicular Technology, 2019, 68, 10926-10942.	6.3	12
18	Linear-Quadratic Time-Inconsistent Mean-Field Type Stackelberg Differential Games: Time-Consistent Open-Loop Solutions. IEEE Transactions on Automatic Control, 2021, 66, 375-382.	5.7	10

#	Article	IF	Citations
19	Development of a Privacy-Preserving UAV System With Deep Learning-Based Face Anonymization. IEEE Access, 2021, 9, 132652-132662.	4.2	10
20	Downlink Interference Control of LAA-LTE for Coexistence With Asymmetric Hidden Wi-Fi APs. IEEE Transactions on Vehicular Technology, 2019, 68, 10909-10925.	6.3	8
21	Lightweight Wi-Fi Frame Detection for Licensed Assisted Access LTE. IEEE Access, 2019, 7, 77618-77628.	4.2	7
22	Codebook-Based Lattice-Reduction-Aided Precoding for Limited-Feedback Coded MIMO Systems. IEEE Transactions on Communications, 2012, 60, 510-524.	7.8	6
23	Sum-Rate Maximization of Multicell MISO Networks With Limited Information Exchange. IEEE Transactions on Vehicular Technology, 2020, 69, 7247-7263.	6.3	6
24	Opportunistic Network Decoupling with Virtual Full-Duplex Operation in Multi-Source Interfering Relay Networks. IEEE Transactions on Mobile Computing, 2017, 16, 2321-2333.	5.8	4
25	Optimal Multiuser Diversity in Multi-Cell MIMO Uplink Networks: User Scaling Law and Beamforming Design. Entropy, 2017, 19, 393.	2.2	4
26	Multicell Downlink Beamforming With Limited Backhaul Signaling. IEEE Access, 2018, 6, 64122-64130.	4.2	4
27	Downlink MU-MIMO LTE-LAA for Coexistence with Asymmetric Hidden Wi-Fi APs. IEEE Transactions on Mobile Computing, 2020, , 1-1.	5.8	4
28	On the Degrees of Freedom of the Large-Scale Interfering Two-Way Relay Network. IEEE Transactions on Vehicular Technology, 2016, 65, 9442-9450.	6.3	3
29	Sum rates of asynchronous GFDMA and SC-FDMA for 5G uplink. ICT Express, 2015, 1, 127-131.	4.8	2
30	Learning-Based Distributed Resource Allocation in Asynchronous Multicell Networks. , 2018, , .		2
31	RNN-Based Node Selection for Sensor Networks with Energy Harvesting. , 2018, , .		2
32	Deep Learning-Aided User Association and Power Control With Renewable Energy Sources. IEEE Transactions on Communications, 2022, 70, 2387-2403.	7.8	2
33	Î±-Fairness-Maximizing User Association in Energy-Constrained Small Cell Networks. IEEE Transactions on Wireless Communications, 2022, 21, 7443-7459.	9.2	2
34	GFDM-Based Asynchronous Grant-Free Multiple-Access. IEEE Access, 2022, 10, 31012-31030.	4.2	2
35	Opportunistic network decoupling in multi-source interfering relay networks. , 2014, , .		1
36	Joint user association and resource allocation in small cells with limited backhaul capacity. , 2016, , .		1

#	Article	IF	Citations
37	Beam Synthesis under Feasible Scenarios for Radar and Communications Combined Systems. , 2018, , .		1
38	Performance Analysis of Beamforming for Radar and Communications Coexisting Systems. , 2018, , .		1
39	On-demand route discovery in a unicast manner. PLoS ONE, 2018, 13, e0204555.	2.5	1
40	Supervised-Learning-Based Resource Allocation in Wireless Networks. , 2020, , .		1
41	Recurrent Neural Network-Based User Association and Power Control in Dynamic HetNets. IEEE Transactions on Vehicular Technology, 2022, 71, 9674-9689.	6.3	1
42	Preamble and Pilot Design with Computationally Efficient Synchronization and Cell Search Algorithms in Cellular OFDM Systems. Wireless Personal Communications, 2013, 70, 731-742.	2.7	0
43	System-level performance evaluation of multicell two-way relay networks with fractional frequency reuse. , 2014, , .		0
44	The design of optimal receiver for opportunistic interference alignment. , 2014, , .		0
45	Downlink beamforming in small cells with scalar information exchange. , 2014, , .		0
46	Two-Cell Two-Way Relaying with Reduced Interference. , 2016, , .		0
47	Two-stage downlink beamforming in MISO multicell networks with limited backhaul signaling. , 2016, , .		0
48	On Spectral Efficiency of Asynchronous GFDMA and SC-FDMA in Frequency Selective Channels. , 2016, , .		0
49	Adaptive Integral Super-Twisting Sliding Mode Control for Uncertain Stochastic Systems. , 2019, , .		0
50	DNN-based Sum-Rate Maximization of Multicell MISO Networks. , 2020, , .		0