Yong H Lee

List of Publications by Year
in descending order

61	1,934	516710	454955
papers	citations	16	30
		h-index	g-index

61	61	61	1588
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Channel Estimation via Orthogonal Matching Pursuit for Hybrid MIMO Systems in Millimeter Wave Communications. IEEE Transactions on Communications, 2016, 64, 2370-2386.	7.8	384
2	Capacity of the Gaussian Two-Way Relay Channel to Within ${1over 2}$ Bit. IEEE Transactions on Information Theory, 2010, 56, 5488-5494.	2.4	291
3	MSE-Based Hybrid RF/Baseband Processing for Millimeter-Wave Communication Systems in MIMO Interference Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 2714-2720.	6.3	146
4	Capacity Bounds for Two-Way Relay Channels. , 2008, , .		119
5	Exploiting spatial sparsity for estimating channels of hybrid MIMO systems in millimeter wave communications. , 2014, , .		113
6	AF relaying for millimeter wave communication systems with hybrid RF/baseband MIMO processing. , 2014, , .		95
7	A Two-Step Approach to Power Allocation for OFDM Signals Over Two-Way Amplify-and-Forward Relay. IEEE Transactions on Signal Processing, 2010, 58, 2426-2430.	5.3	88
8	Improved Capacity Scaling in Wireless Networks With Infrastructure. IEEE Transactions on Information Theory, 2011, 57, 5088-5102.	2.4	57
9	Diversityâ€"Multiplexing Tradeoff and Outage Performance for Rician MIMO Channels. IEEE Transactions on Information Theory, 2008, 54, 1186-1196.	2.4	56
10	Regularized Channel Diagonalization for Multiuser MIMO Downlink Using a Modified MMSE Criterion. IEEE Transactions on Signal Processing, 2007, 55, 1573-1579.	5.3	55
11	Nested Lattice Codes for Gaussian Relay Networks With Interference. IEEE Transactions on Information Theory, 2011, 57, 7733-7745.	2.4	54
12	Parallel Opportunistic Routing in Wireless Networks. IEEE Transactions on Information Theory, 2013, 59, 6290-6300.	2.4	54
13	Performance Analysis of User Selection for Multiuser Two-Way Amplify-and-Forward Relay. IEEE Communications Letters, 2010, 14, 1086-1088.	4.1	50
14	Filter Design for Generalized Frequency-Division Multiplexing. IEEE Transactions on Signal Processing, 2017, 65, 1644-1659.	5.3	49
15	Adaptive Compensation for Power Amplifier Nonlinearity in the Presence of Quadrature Modulation/Demodulation Errors. IEEE Transactions on Signal Processing, 2007, 55, 4717-4721.	5.3	36
16	Beam Tracking for Interference Alignment in Slowly Fading MIMO Interference Channels: A Perturbations Approach Under a Linear Framework. IEEE Transactions on Signal Processing, 2012, 60, 1910-1926.	5.3	31
17	Non-Data-Aided Approach to I/Q Mismatch Compensation in Low-IF Receivers. IEEE Transactions on Signal Processing, 2007, 55, 3360-3365.	5.3	28
18	A least squares approach to joint beam design for interference alignment in multiuser interference channels. , 2009, , .		18

#	Article	IF	Citations
19	Two-Step Approach to Time-Domain Channel Estimation for Wideband Millimeter Wave Systems With Hybrid Architecture. IEEE Transactions on Communications, 2019, 67, 5139-5152.	7.8	18
20	An Efficient Algorithm for Zero-Forcing Coordinated Beamforming. IEEE Communications Letters, 2012, 16, 994-997.	4.1	17
21	Capacity Evaluation of Various Multiuser MIMO Schemes in Downlink Cellular Environments. , 2006, , .		16
22	Energy-Efficient Power Allocation for OFDM Signaling Over a Two-Way AF Relay. IEEE Transactions on Vehicular Technology, 2015, 64, 4856-4863.	6.3	15
23	A Computationally Efficient Criterion for Antenna Shuffling in DSTTD Systems. IEEE Communications Letters, 2007, 11, 732-734.	4.1	14
24	Limited Feedback for Multicell Zero-Forcing Coordinated Beamforming in Time-Varying Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 2349-2360.	6.3	14
25	Spatial Multiplexing of OFDM Signals With QPSK Modulation Over ESPAR. IEEE Transactions on Vehicular Technology, 2017, 66, 4914-4923.	6.3	9
26	Design of ICI Canceling Codes for OFDM Systems Based on Capacity Maximization. IEEE Signal Processing Letters, 2007, 14, 169-172.	3.6	8
27	Superposition data transmission for cognitive radios: Performance and algorithms. , 2008, , .		8
28	Beamforming and PAPR Reduction for MISO-OFDM Systems. , 2007, , .		7
29	Closed Form of Optimum Cooperative Distributed Relay Amplifying Matrix. IEEE Transactions on Wireless Communications, 2014, 13, 2741-2755.	9.2	7
30	Channel estimation via oblique matching pursuit for FDD massive MIMO downlink. , 2015, , .		7
31	Two-level MMSE relay strategy for an AF wireless relay network. , 2012, , .		6
32	Combined Subband-Subcarrier Spectral Shaping in Multi-Carrier Modulation Under the Excess Frame Length Constraint. IEEE Journal on Selected Areas in Communications, 2017, 35, 1339-1352.	14.0	6
33	Achievable rates for cognitive radios opportunistically permitting excessive secondary-to-primary interference. IEEE Transactions on Wireless Communications, 2010, 9, 674-683.	9.2	5
34	Side information-free PTS-PAPR reduction via pilot assisted estimation of phase factors in an OFDM frame with a preamble. , 2010, , .		4
35	Compensation for Power Amplifier Nonlinearity in the Presence of Local Oscillator Coupling Effects. IEEE Communications Letters, 2012, 16, 600-603.	4.1	4
36	A Joint Time-Invariant Filtering Approach to the Linear Gaussian Relay Problem. IEEE Transactions on Signal Processing, 2012, 60, 4360-4375.	5.3	4

#	Article	IF	Citations
37	Optimal Amplify-and-Forward Precode and Relay Amplifying Matrices. , 2013, , .		4
38	A cooperative AF wireless relay network under three wireless communication conditions with relay power constraint. , 2013, , .		4
39	A pilot emitting amplify-and-forward relay and its application to hop-by-hop beamforming. , 2008, , .		3
40	Antenna Selection with Superposition for 4 x 2 DSTTD Systems. IEEE Communications Letters, 2009, 13, 483-485.	4.1	3
41	Adaptive beam tracking for interference alignment in time-varying MIMO interference channels: Conjugate gradient approach. , 2011, , .		3
42	AF MIMO Wireless Relay Networks under Received Power Constraint. , 2012, , .		3
43	Reduced Complexity Beamforming with Optimal Power Allocation in Two-Way Multi-Antenna Relay Systems. IEEE Communications Letters, 2013, 17, 848-851.	4.1	3
44	LoS Spatial Multiplexing and Beamforming Using Uniform Circular Array of Subarrays. , 2016, , .		3
45	Space-Time Alignment for Channel Estimation in Millimeter Wave Communication with Beam Sweeping. , 2017, , .		3
46	Evaluation for Various Resource Allocation Methods for Multiuser-MIMO OFDMA Systems. , 2007, , .		2
47	Limited channel feedback for coordinated beamforming under SINR requirements. , 2013, , .		2
48	ALTERNATING AUTOENCODERS FOR MATRIX COMPLETION. , 2018, , .		2
49	ICI Canceling Space-Frequency Block Code for MISO-OFDM in Fast Fading Channels. , 2007, , .		1
50	Digital predistortion based on envelope feedback. , 2012, , .		1
51	A Nonlinear Transceiver Architecture for Overloaded Multiuser MIMO Interference Channels. IEEE Transactions on Communications, 2012, 60, 946-951.	7.8	1
52	MMSE Relaying Strategy for Two-Way Amplify-and-Forward Wireless Networks. , 2013, , .		1
53	Adverse Wireless Communication Environment Impacts on AF Wireless Relay Networks. , 2013, , .		1
54	Centralized Two-Way AF MIMO Multiple Dispersed Relay Network. IEEE Transactions on Vehicular Technology, 2015, 64, 2133-2138.	6.3	1

#	ARTICLE	IF	CITATIONS
55	Improved throughput scaling in wireless ad hoc networks with infrastructure. , 2008, , .		0
56	Selection of Amplify-and-Forward Mobile Relay under Cascaded Rayleigh Fading. , 2013, , .		0
57	Distributed AF Mobile Relay Networks in Adverse Wireless Communication Environments. , 2013, , .		0
58	Half-duplex and full-duplex distributed relay systems under power constraints. , 2013, , .		0
59	AF Wireless Relay Network Analysis under Receiver Power Constraint. , 2013, , .		0
60	MMSE Relaying Strategies under Jamming, Channel Uncertainty, Node Geometry, and Power Constraint. , 2013, , .		0
61	Maximum a Posteriori OMP Detection for Generalized Space Shift Keying. , 2016, , .		0