

# Yong-Hwan Lee

## List of Publications by Year in descending order

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115  
papers

735  
citations

932766

10  
h-index

752256

20  
g-index

115  
all docs

115  
docs citations

115  
times ranked

536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimum pilot pattern for channel estimation in OFDM systems. IEEE Transactions on Wireless Communications, 2005, 4, 2083-2088.	6.1	87
2	Transmit Power and Bit Allocations for OFDM Systems in a Fading Channel. , 0, , .		83
3	Power Control and Beamforming for Femtocells in the Presence of Channel Uncertainty. IEEE Transactions on Vehicular Technology, 2011, 60, 2545-2554.	3.9	51
4	Opportunistic scheduling with partial channel information in OFDMA/FDD systems. , 0, , .		26
5	Cooperative spectrum sensing with imperfect feedback channel in the cognitive radio systems. International Journal of Communication Systems, 2010, 23, 763-779.	1.6	26
6	Direction-of-Arrival Tracking Scheme for DS/CDMA Systems: Direction Lock Loop. IEEE Transactions on Wireless Communications, 2004, 3, 191-202.	6.1	23
7	A framework design for the next-generation radio access system. IEEE Journal on Selected Areas in Communications, 2006, 24, 554-564.	9.7	23
8	Sequence acquisition of DS-CDMA systems employing Gold sequences. IEEE Transactions on Vehicular Technology, 2000, 49, 2397-2404.	3.9	22
9	Cognitive radio based resource allocation in femto-cells. Journal of Communications and Networks, 2012, 14, 252-256.	1.8	20
10	Complexity reduced zero-forcing beamforming in massive MIMO systems. , 2014, , .		20
11	Mitigation of Co-Channel Interference in Bluetooth Piconets. IEEE Transactions on Wireless Communications, 2012, 11, 1249-1254.	6.1	17
12	Effect of transmit correlation on the sum-rate capacity of two-user broadcast channels. IEEE Transactions on Communications, 2009, 57, 2597-2599.	4.9	16
13	Rapid cell search in OFDM-based cellular systems. , 0, , .		13
14	Coordinated User Scheduling with Transmit Beamforming in the Presence of Inter-Femtocell Interference. , 2011, , .		12
15	Fast Initialization of Equalizers for VSB-Based DTV Transceivers in Multipath Channel. IEEE Transactions on Broadcasting, 2005, 51, 133-138.	2.5	11
16	PHY abstraction methodology for the performance evaluation of PLC channels. , 2010, , .		11
17	Linear Hard Decision Combining for Cooperative Spectrum Sensing in Cognitive Radio Systems. , 2010, , .		11
18	Adaptive beamforming with dimension reduction in spatially correlated MISO channels. IEEE Transactions on Wireless Communications, 2009, 8, 4998-5002.	6.1	10

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19	Cooperative power allocation with partial channel information in multi-cell multi-user dual-hop MIMO relay systems. International Journal of Communication Systems, 2011, 24, 586-606.	1.6	10
20	Scalable network joining mechanism in wireless sensor networks. , 2012, , .		10
21	Coherent opportunistic beamforming with partial channel information in multiuser wireless systems. IEEE Transactions on Wireless Communications, 2008, 7, 705-713.	6.1	9
22	Rapid acquisition of PN signals for DS/SS systems using a phase estimator. IEEE Journal on Selected Areas in Communications, 2001, 19, 1128-1137.	9.7	8
23	Rapid slot synchronization in the presence of large frequency offset and Doppler spread in WCDMA systems. IEEE Transactions on Wireless Communications, 2005, 4, 1325-1330.	6.1	8
24	WLC37-1: Fast Cell Site Selection with Interference Avoidance in Packet Based OFDM Cellular Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	8
25	Design of a Channel-Aware OFDM Transceiver. IEEE Transactions on Wireless Communications, 2007, 6, 1813-1822.	6.1	8
26	Design of 2-D channel estimation filters for OFDM systems. , 0, , .		7
27	Multiuser diversity and multiplexing using multiple random beams in wireless systems. IEEE Transactions on Wireless Communications, 2007, 6, 120-127.	6.1	7
28	Spectrum Sensing Based on Antenna Correlation in Cognitive Radio Systems. Wireless Personal Communications, 2012, 63, 703-712.	1.8	7
29	Cell search robust to initial frequency offset in WCDMA systems. , 0, , .		6
30	Design of Multiple MMSE Subequalizers for Faster-Than-Nyquist-Rate Transmission. IEEE Transactions on Communications, 2004, 52, 1257-1264.	4.9	6
31	Multi-beam multiplexing using multiuser diversity and random beams in wireless systems. , 0, , .		6
32	Mitigation of inter-cell interference in the WiMAX system. , 2007, , .		6
33	3-Dimensional MMSE Channel Estimation in Multi-antenna OFDM Systems. , 2008, , .		6
34	Design of the optimum pilot pattern for channel estimation in OFDM systems. , 0, , .		5
35	Prediction of channel information in multi-user OFDM systems. Midwest Symposium on Circuits and Systems, 2006, , .	1.0	5
36	Correlation-Based Cooperative User Scheduling in the Uplink of Cellular Systems. , 2008, , .		5

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37	Low Complexity FFT Based Spectrum Sensing in Bluetooth System. , 2009, , .		5
38	Complexity reduced space ML detection for other-cell interference mitigation in SIMO cellular systems. European Transactions on Telecommunications, 2011, 22, 51-60.	1.2	5
39	Interference-Robust Transmission in Wireless Sensor Networks. Sensors, 2016, 16, 1910.	2.1	5
40	Frequency-time domain transmit power adaptation for a multicarrier system in fading channels. , 0, , .		4
41	A complexity-reduced joint detector for OFDM-CDM systems. , 0, , .		4
42	Multi-user diversity and multiplexing with orthogonal multiple beams in packet-based wireless systems. European Transactions on Telecommunications, 2010, 21, 288-297.	1.2	4
43	Sum-rate capacity of correlated multi-user MIMO channels. , 2010, , .		4
44	Interference Mitigation in IEEE 802.15.4 Networks. , 2011, , .		4
45	Alleviation of contention collision in IEEE 802.15.4 networks. , 2013, , .		4
46	Cross-tier interference mitigation in a cellular system with small moving cells. , 2019, , .		4
47	Acquisition performance of Gold sequence based DS-SS systems. , 0, , .		3
48	An adaptive channel estimator in pilot channel based DS-SS systems. , 0, , .		3
49	Adaptive SIR estimation in WCDMA systems. , 0, , .		3
50	Fast training of fractionally-spaced modified decision feedback equalizer in slow frequency selective fading channels. , 0, , .		3
51	Median-prefiltering-based robust acquisition of direct-sequence spread-spectrum signals in wide-band pulse jamming. IEEE Transactions on Vehicular Technology, 2002, 51, 171-179.	3.9	3
52	Design of implementation-efficient channel estimation filter for wireless OFDM transmission. , 0, , .		3
53	Adaptive channel estimation in WCDMA STTD systems. , 0, , .		3
54	Wafer Level Package Using Polymer Bonding of Thick SU-8 Photoresist. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
55	Adaptive Pilot Signaling in the Uplink of OFDM-Based Wireless Systems. , 2007, , .		3
56	Achievable sum-rate analysis of correlated two-antenna MIMO uplink channels. International Journal of Communication Systems, 2009, 22, 927-936.	1.6	3
57	Coordinated Transmission of Interference Mitigation and Power Allocation in Two-User Two-Hop MIMO Relay Systems. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	1.5	3
58	Robust transmission of the IEEE 802.15.4 signal in the presence of co-channel interference. , 2013, , .		3
59	An orthogonal multi-beam based MIMO scheme for multi-user wireless systems. , 0, , .		2
60	Improved AMC using adaptive SIR thresholds in OFDM based wireless systems. , 2006, , .		2
61	Other-Cell Interference Reducing Resource Allocation in OFDM-Based Asynchronous Cellular Systems. Eurasip Journal on Wireless Communications and Networking, 2007, 2008, .	1.5	2
62	Transmit Beamforming with Reduced Feedback Information in OFDM Based Wireless Systems. IEEE Vehicular Technology Conference, 2008, , .	0.2	2
63	Cooperative Transmission with Partial Channel Information in Multi-User MISO Wireless Systems. , 2008, , .		2
64	Optimum Power Allocation for Beamforming-Based Regenerative Dual-Hop MISO Relay Channels. , 2009, , .		2
65	Allocation of transmit power in Spatially-correlated dual-hop MIMO relay channels. , 2009, , .		2
66	Adaptive MIMO Mode and Fast Cell Selection with Interference Avoidance in Multi-cell Environments. , 2009, , .		2
67	Performance improvement of IEEE 802.15.4 in the presence of co-channel interference. , 2011, , .		2
68	Distributed Scalable Network Association in Wireless Sensor Networks. , 2012, , .		2
69	Multi-user coherent beamforming in packet-based wireless systems. Transactions on Emerging Telecommunications Technologies, 2012, 23, 472-479.	2.6	2
70	Uplink Channel Sounding in TDD-OFDM Cellular Systems. Wireless Personal Communications, 2013, 73, 563-585.	1.8	2
71	Transmission performance of wireless sensor networks in the presence of co-channel interference. , 2014, , .		2
72	Rapid acquisition of PN signals for DS/SS systems employing a phase estimator. , 0, , .		1

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73	Parallel acquisition of PN sequences in Rayleigh fading channel and the application to the multi-carrier CDMA systems. , 0, , .		1
74	Adaptive channel estimation in DS-CDMA downlink systems. , 0, , .		1
75	Comparison of two FFT structures for fractionally-spaced frequency domain equalizer. , 0, , .		1
76	Fast initialization of nyquist echo cancelers using circular convolution technique. IEEE Transactions on Communications, 2002, 50, 1865-1870.	4.9	1
77	Combined equalization and nonlinear distortion cancellation for transmission of QAM signal in fixed wireless channel. , 0, , .		1
78	Optimum pilot pattern for MMSE channel estimation in single-carrier MIMO systems. , 0, , .		1
79	Improved Channel Estimation and SIR Measurement in WCDMA Downlink Systems. IEEE Transactions on Vehicular Technology, 2005, 54, 525-537.	3.9	1
80	Multi-user diversity and multiplexing with multiple coherent beams in wireless systems. , 2006, , .		1
81	Coherent opportunistic beamforming in multi-user wireless systems. , 2006, , .		1
82	Random Beamforming in Spatially Correlated Multiuser MISO Channels. , 2008, , .		1
83	Inter-sector beamforming with MMSE receiver in the downlink of TDD cellular systems. Journal of Communications and Networks, 2008, 10, 118-126.	1.8	1
84	Multicast Power Control for VoIP in Mobile WiMAX. , 2009, , .		1
85	Cooperative interference mitigation with partial CSI in multi-user dual-hop MISO relay channels. , 2009, , .		1
86	Preamble-assisted channel estimation in OFDM-based wireless systems. , 2009, , .		1
87	Antenna Correlation Based Spectrum Sensing in Cognitive Radio Systems. , 2010, , .		1
88	Effect of Imperfect Transmit Correlation on Statistical Beamforming in Multi-User Cellular Systems. IEEE Transactions on Wireless Communications, 2010, 9, 3335-3340.	6.1	1
89	Channel Estimation with Dedicated Pilot Signal in MIMO-OFDM Systems. , 2011, , .		1
90	Traffic handling of hybrid MAC in IEEE 802.15.4 networks. , 2012, , .		1

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91	Interference-robust packet transmission in wireless sensor networks. , 2015, , .		1
92	Estimation of MIMO Channel with Imperfect Channel Correlation Information. Wireless Personal Communications, 2017, 95, 3377-3389.	1.8	1
93	Performance analysis of forward link DS-CDMA systems using random and orthogonal spreading sequences. , 0, , .		0
94	Fast echo canceller training based on circular convolution technique. , 0, , .		0
95	Blind beamforming robust to directional error in fixed wireless channel. , 0, , .		0
96	Robust detection of underwater targets using a nonlinear energy tracker. , 0, , .		0
97	MSE-based transmit power control for transmission of QAM signals in frequency selective fading channel. , 0, , .		0
98	Performance analysis of binary-CDMA transceivers in AWGN channel. , 0, , .		0
99	Design of pilot signal for MC-CDMA uplink systems. , 2004, , .		0
100	Fast initialization of equalizers for VSB-based DTV systems in multipath channel. , 0, , .		0
101	Towards the next generation mobile communications. Journal of Communications and Networks, 2005, 7, 97-103.	1.8	0
102	Orthogonal Multi-beam Techniques for Multi-user Diversity and Multiplexing Gain in Packet-based Wireless Systems. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	0
103	Adaptive Transmission with Partial Channel Information in Spatially Correlated MIMO Channels. , 2007, , .		0
104	Resource Allocation for OCI Reduction in OFDM-Based Asynchronous Cellular Systems. IEEE Vehicular Technology Conference, 2007, , .	0.2	0
105	Hybrid Link Adaptation for ICI Adjustment in OFDMA Cellular Uplink Systems. , 2007, , .		0
106	Transmit beamforming with reduced channel information in MIMO-OFDM wireless systems. , 2008, , .		0
107	Multi-sector beamforming with MMSE receiver in spatially correlated channel. , 2008, , .		0
108	Low Complexity ML Detection for Other-Cell Interference Mitigation in Mobile WiMAX Systems. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
109	Performance analysis of uplink sounding in frequency selective fading channel. , 2010, , .		0
110	Multisector Eigenbeamforming With MMSE Reception in Spatially Correlated Channels. IEEE Transactions on Vehicular Technology, 2011, 60, 745-749.	3.9	0
111	Coordinated User Scheduling Based on Hybrid CSI in Multi-User MIMO Relay System with Limited Feedback. Wireless Personal Communications, 2012, 67, 937-950.	1.8	0
112	Effect of channel sensing on CSMA/CA in IEEE 802.15.4 networks. , 2012, , .		0
113	Opportunistic feedback of channel information in multi-user MIMO environments. , 2013, , .		0
114	Fault-tolerant resource allocation in multi-hop wireless sensor networks. , 2014, , .		0
115	Estimation of Channel Correlation for Massive MIMO Signal Transmission. , 2017, , .		0