

Yong-Hwan Lee

List of Publications by Citations

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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.

68

papers

421

citations

10

h-index

17

g-index

115

ext. papers

549

ext. citations

5

avg, IF

3.38

L-index

#	Paper	IF	Citations
68	Optimum pilot pattern for channel estimation in OFDM systems. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 2083-2088	9.6	60
67	Power Control and Beamforming for Femtocells in the Presence of Channel Uncertainty. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 2545-2554	6.8	42
66	Transmit power and bit allocations for OFDM systems in a fading channel		40
65	Direction-of-arrival tracking scheme for DS/CDMA systems: direction lock loop. <i>IEEE Transactions on Wireless Communications</i> , 2004 , 3, 191-202	9.6	19
64	Complexity reduced zero-forcing beamforming in massive MIMO systems 2014 ,		15
63	. <i>Journal of Communications and Networks</i> , 2012 , 14, 252-256	4.1	14
62	Mitigation of Co-Channel Interference in Bluetooth Piconets. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 1249-1254	9.6	12
61	Effect of transmit correlation on the sum-rate capacity of two-user broadcast channels. <i>IEEE Transactions on Communications</i> , 2009 , 57, 2597-2599	6.9	12
60	Sequence acquisition of DS-CDMA systems employing Gold sequences. <i>IEEE Transactions on Vehicular Technology</i> , 2000 , 49, 2397-2404	6.8	12
59	Scalable network joining mechanism in wireless sensor networks 2012 ,		10
58	Cooperative power allocation with partial channel information in multi-cell multi-user dual-hop MIMO relay systems. <i>International Journal of Communication Systems</i> , 2011 , 24, 586-606	1.7	10
57	A framework design for the next-generation radio access system. <i>IEEE Journal on Selected Areas in Communications</i> , 2006 , 24, 554-564	14.2	10
56	Linear Hard Decision Combining for Cooperative Spectrum Sensing in Cognitive Radio Systems 2010 ,		8
55	Coordinated User Scheduling with Transmit Beamforming in the Presence of Inter-Femtocell Interference 2011 ,		8
54	Adaptive beamforming with dimension reduction in spatially correlated MISO channels. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 4998-5002	9.6	8
53	Design of a Channel-Aware OFDM Transceiver. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 1813-1822	9.6	6
52	Design of multiple MMSE subequalizers for faster-than-Nyquist-rate transmission. <i>IEEE Transactions on Communications</i> , 2004 , 52, 1257-1264	6.9	6

51	Fast initialization of equalizers for VSB-based DTV transceivers in multipath channel. <i>IEEE Transactions on Broadcasting</i> , 2005 , 51, 133-138	4.7	6
50	Cooperative spectrum sensing with imperfect feedback channel in the cognitive radio systems. <i>International Journal of Communication Systems</i> , 2010 , 23, n/a-n/a	1.7	5
49	Coherent opportunistic beamforming with partial channel information in multiuser wireless systems. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 705-713	9.6	5
48	Correlation-Based Cooperative User Scheduling in the Uplink of Cellular Systems 2008 ,		5
47	Mitigation of inter-cell interference in the WiMAX system 2007 ,		5
46	Opportunistic scheduling with partial channel information in OFDMA/FDD systems		5
45	Rapid slot synchronization in the presence of large frequency offset and Doppler spread in WCDMA systems. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 1325-1330	9.6	5
44	Spectrum Sensing Based on Antenna Correlation in Cognitive Radio Systems. <i>Wireless Personal Communications</i> , 2012 , 63, 703-712	1.9	4
43	Complexity reduced space ML detection for other-cell interference mitigation in SIMO cellular systems. <i>European Transactions on Telecommunications</i> , 2011 , 22, 51-60		4
42	PHY abstraction methodology for the performance evaluation of PLC channels 2010 ,		4
41	Sum-rate capacity of correlated multi-user MIMO channels 2010 ,		4
40	Low Complexity FFT Based Spectrum Sensing in Bluetooth System 2009 ,		4
39	Multiuser diversity and multiplexing using multiple random beams in wireless systems. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 120-127	9.6	4
38	Design of 2-D channel estimation filters for OFDM systems		4
37	Interference-Robust Transmission in Wireless Sensor Networks. <i>Sensors</i> , 2016 , 16,	3.8	4
36	Alleviation of contention collision in IEEE 802.15.4 networks 2013 ,		3
35	Achievable sum-rate analysis of correlated two-antenna MIMO uplink channels. <i>International Journal of Communication Systems</i> , 2009 , 22, 927-936	1.7	3
34	Rapid acquisition of PN signals for DS/SS systems using a phase estimator. <i>IEEE Journal on Selected Areas in Communications</i> , 2001 , 19, 1128-1137	14.2	3

33	Uplink Channel Sounding in TDD-OFDM Cellular Systems. <i>Wireless Personal Communications</i> , 2013 , 73, 563-585	1.9	2
32	Robust transmission of the IEEE 802.15.4 signal in the presence of co-channel interference 2013 ,		2
31	Transmission performance of wireless sensor networks in the presence of co-channel interference 2014 ,		2
30	Multi-user coherent beamforming in packet-based wireless systems. <i>Transactions on Emerging Telecommunications Technologies</i> , 2012 , 23, 472-479	1.9	2
29	Coordinated Transmission of Interference Mitigation and Power Allocation in Two-User Two-Hop MIMO Relay Systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2010 , 2010,	3.2	2
28	Performance improvement of IEEE 802.15.4 in the presence of co-channel interference 2011 ,		2
27	Distributed Scalable Network Association in Wireless Sensor Networks 2012 ,		2
26	Allocation of transmit power in Spatially-correlated dual-hop MIMO relay channels 2009 ,		2
25	Cooperative Transmission with Partial Channel Information in Multi-User MISO Wireless Systems 2008 ,		2
24	Wafer Level Package Using Polymer Bonding of Thick SU-8 Photoresist 2006 ,		2
23	Prediction of channel information in multi-user OFDM systems. <i>Midwest Symposium on Circuits and Systems</i> , 2006 ,	1	2
22	WLC37-1: Fast Cell Site Selection with Interference Avoidance in Packet Based OFDM Cellular Systems. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,		2
21	Other-Cell Interference Reducing Resource Allocation in OFDM-Based Asynchronous Cellular Systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2007 , 2008,	3.2	2
20	Adaptive Pilot Signaling in the Uplink of OFDM-Based Wireless Systems 2007 ,		2
19	A complexity-reduced joint detector for OFDM-CDM systems		2
18	Design of the optimum pilot pattern for channel estimation in OFDM systems		2
17	Median-prefiltering-based robust acquisition of direct-sequence spread-spectrum signals in wide-band pulse jamming. <i>IEEE Transactions on Vehicular Technology</i> , 2002 , 51, 171-179	6.8	2
16	Cross-tier interference mitigation in a cellular system with small moving cells 2019 ,		2

15	Estimation of MIMO Channel with Imperfect Channel Correlation Information. <i>Wireless Personal Communications</i> , 2017 , 95, 3377-3389	1.9	1
14	Effect of Imperfect Transmit Correlation on Statistical Beamforming in Multi-User Cellular Systems. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 3335-3340	9.6	1
13	Multicast Power Control for VoIP in Mobile WiMAX 2009 ,		1
12	Adaptive MIMO Mode and Fast Cell Selection with Interference Avoidance in Multi-cell Environments 2009 ,		1
11	Inter-sector beamforming with MMSE receiver in the downlink of TDD cellular systems. <i>Journal of Communications and Networks</i> , 2008 , 10, 118-126	4.1	1
10	Improved AMC using adaptive SIR thresholds in OFDM based wireless systems 2006 ,		1
9	Adaptive channel estimation in WCDMA STTD systems		1
8	Multi-beam multiplexing using multiuser diversity and random beams in wireless systems		1
7	Adaptive channel estimation in DS-CDMA downlink systems		1
6	Adaptive SIR estimation in WCDMA systems		1
5	Fast initialization of Nyquist echo cancelers using circular convolution technique. <i>IEEE Transactions on Communications</i> , 2002 , 50, 1865-1870	6.9	0
4	Coordinated User Scheduling Based on Hybrid CSI in Multi-User MIMO Relay System with Limited Feedback. <i>Wireless Personal Communications</i> , 2012 , 67, 937-950	1.9	
3	Multisector Eigenbeamforming With MMSE Reception in Spatially Correlated Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 745-749	6.8	
2	Towards the next generation mobile communications. <i>Journal of Communications and Networks</i> , 2005 , 7, 97-103	4.1	
1	Improved channel estimation and SIR measurement in WCDMA downlink systems. <i>IEEE Transactions on Vehicular Technology</i> , 2005 , 54, 525-537	6.8	