Kwok Hung Li

List of Publications by Year
in descending order

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120 papers	2,035 citations	304602 22 h-index	265120 42 g-index
120 all docs	120 docs citations	120 times ranked	1749 citing authors

#	Article	IF	Citations
1	Energy-Efficient Design of Sequential Channel Sensing in Cognitive Radio Networks: Optimal Sensing Strategy, Power Allocation, and Sensing Order. IEEE Journal on Selected Areas in Communications, 2011, 29, 1648-1659.	9.7	241
2	How Much Time is Needed for Qideband Spectrum Sensing?. IEEE Transactions on Wireless Communications, 2009, 8, 5466-5471.	6.1	160
3	An Energy-Ratio-Based Approach for Detecting Pilot Spoofing Attack in Multiple-Antenna Systems. IEEE Transactions on Information Forensics and Security, 2015, 10, 932-940.	4.5	119
4	Secure Communication in Multiantenna Cognitive Radio Networks With Imperfect Channel State Information. IEEE Transactions on Signal Processing, 2011, 59, 1683-1693.	3.2	117
5	Downlink and Uplink Intelligent Reflecting Surface Aided Networks: NOMA and OMA. IEEE Transactions on Wireless Communications, 2021, 20, 3988-4000.	6.1	115
6	Energy-Efficient Joint Design of Sensing and Transmission Durations for Protection of Primary User in Cognitive Radio Systems. IEEE Communications Letters, 2013, 17, 565-568.	2.5	96
7	Artificial Noise Aided Physical Layer Security in Multi-Antenna Small-Cell Networks. IEEE Transactions on Information Forensics and Security, 2017, 12, 1470-1482.	4.5	72
8	Secure Transmission Against Pilot Spoofing Attack: A Two-Way Training-Based Scheme. IEEE Transactions on Information Forensics and Security, 2016, 11, 1017-1026.	4.5	68
9	Relay Selection for Secure Successive AF Relaying Networks With Untrusted Nodes. IEEE Transactions on Information Forensics and Security, 2016, 11, 2466-2476.	4.5	53
10	Generalized Relay Selection for Improved Security in Cooperative DF Relay Networks. IEEE Wireless Communications Letters, 2016, 5, 28-31.	3.2	49
11	Enhanced Physical Layer Security in D2D Spectrum Sharing Networks. IEEE Wireless Communications Letters, 2016, , 1-1.	3.2	43
12	Optimal Spectrum Access and Energy Supply for Cognitive Radio Systems With Opportunistic RF Energy Harvesting. IEEE Transactions on Vehicular Technology, 2017, 66, 7114-7122.	3.9	41
13	Sensing-throughput tradeoff for cognitive radio networks: A multiple-channel scenario. , 2009, , .		36
14	An Efficient Successive Relaying Protocol for Multiple-Relay Cooperative Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1892-1899.	6.1	36
15	Physical Layer Security in Heterogeneous Networks With Pilot Attack: A Stochastic Geometry Approach. IEEE Transactions on Communications, 2018, 66, 6437-6449.	4.9	35
16	Secrecy Throughput Maximization for MISO Multi-Eavesdropper Wiretap Channels. IEEE Transactions on Information Forensics and Security, 2017, 12, 505-515.	4.5	34
17	Non-Orthogonal Multiple Access (NOMA) With Multiple Intelligent Reflecting Surfaces. IEEE Transactions on Wireless Communications, 2021, 20, 7184-7195.	6.1	34
18	Channel Selection in Multichannel Cognitive Radio Systems Employing RF Energy Harvesting. IEEE Transactions on Vehicular Technology, 2016, 65, 457-462.	3.9	33

#	Article	IF	Citations
19	Joint design of sensing and transmission in energyâ€efficient cognitive radio systems over fading channels. IET Communications, 2013, 7, 577-584.	1.5	32
20	Dynamic Cooperative Sensingâ€“Access Policy for Energy-Harvesting Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 10137-10141.	3.9	27
21	A Low-Complexity Kalman Approach for Channel Estimation in Doubly-Selective OFDM Systems. IEEE Signal Processing Letters, 2009, 16, 632-635.	2.1	25
22	Maximum-Likelihood FFH/MFSK Receiver over Rayleigh-Fading Channels with Composite Effects of MTJ and PBNJ. IEEE Transactions on Communications, 2011, 59, 675-679.	4.9	23
23	Joint Iterative Detection/Decoding Scheme for Discrete Two-Dimensional Interference Channels. IEEE Transactions on Communications, 2012, 60, 3548-3555.	4.9	22
24	Achieving Secrecy of MISO Fading Wiretap Channels via Jamming and Precoding With Imperfect Channel State Information. IEEE Wireless Communications Letters, 2014, 3, 357-360.	3.2	22
25	Learning Temporalâ€“Spatial Spectrum Reuse. IEEE Transactions on Communications, 2016, 64, 3092-3103.	4.9	22
26	On the Impact of Adaptive Eavesdroppers in Multi-Antenna Cellular Networks. IEEE Transactions on Information Forensics and Security, 2018, 13, 269-279.	4.5	22
27	Performance Analysis of LDPC Codes with Maximum-Ratio Combining Cascaded with Selection Combining over Nakagami-m Fading. IEEE Transactions on Wireless Communications, 2011, 10, 1886-1894.	6.1	20
28	Error probability analysis of FFH/MFSK receivers over frequency-selective Rician-fading channels with partial-band-noise jamming. IEEE Transactions on Communications, 2009, 57, 2880-2885.	4.9	19
29	Transmit Antenna Selection Systems: A Performance Comparison of Different Types of Receiver Schemes. IEEE Vehicular Technology Magazine, 2013, 8, 104-112.	2.8	19
30	Performance Analysis of a Maximum-Likelihood FFH/MFSK Receiver with Partial-Band-Noise Jamming over Frequency-Selective Fading Channels. IEEE Communications Letters, 2008, 12, 401-403.	2.5	14
31	Performance Analysis of Two-User Cooperative Multiple Access Systems With DF Relaying and Superposition Modulation. IEEE Transactions on Vehicular Technology, 2011, 60, 3118-3126.	3.9	14
32	Energy efficient cognitive radio network based on multiband sensing and spectrum sharing. IET Communications, 2014, 8, 1499-1507.	1.5	14
33	Joint User Pairing and Subchannel Allocation for Multisubchannel Multiuser Nonorthogonal Multiple Access Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 8238-8248.	3.9	14
34	Performance Study of Transmit Antenna Selection With Switch-and-Examine Combining Over Rayleigh Fading. IEEE Transactions on Vehicular Technology, 2012, 61, 4205-4211.	3.9	13
35	Adaptive Spatial Modulation for Uplink mmWave Communication Systems. IEEE Communications Letters, 2017, 21, 2178-2181.	2.5	13
36	Outage Performance of Downlink IRS-Assisted NOMA Systems. , 2020, , .		13

#	Article	IF	Citations
37	Achieving cognitive and secure transmissions using multiple antennas. , 2009, , .		12
38	Performance analysis of LDPC codes with selection diversity combining over identical and non-identical rayleigh fading channels. IEEE Communications Letters, 2010, 14, 333-335.	2.5	12
39	Symbol-error rate of selection combining over two-wave with diffuse power fading. , 2011, , .		12
40	Jamming Rejection Using FFH/MFSK ML Receiver Over Fading Channels With the Presence of Timing and Frequency Offsets. IEEE Transactions on Information Forensics and Security, 2013, 8, 1195-1200.	4.5	12
41	Distributed Boundary Estimation for Spectrum Sensing in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 1961-1973.	9.7	12
42	A Semidefinite Relaxation Approach for Beamforming in Cooperative Clustered Multicell Systems With Novel Limited Feedback Scheme. IEEE Transactions on Vehicular Technology, 2014, 63, 1740-1748.	3.9	12
43	Analysis of MIMO Diversity With LDPC Codes Based on a Gaussian Approximation Approach Over Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2011, 60, 4650-4656.	3.9	11
44	Blind identification of convolutional interleaver parameters. , 2009, , .		10
45	Performance and diversity analysis of decodeâ€andâ€forward cooperative system over Nakagamiâ€m fading channels. Wireless Communications and Mobile Computing, 2011, 11, 742-749.	0.8	10
46	Performance Analysis of Twoâ€Dimensional Massive Antenna Arrays for Future Mobile Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5400-5405.	3.9	10
47	Study of Three-Dimensional Beamforming Strategies in Cellular Networks With Clustered User Distribution. IEEE Transactions on Vehicular Technology, 2016, 65, 10208-10213.	3.9	10
48	Multisampling decision-feedback linear prediction receivers for differential space-time modulation over rayleigh fast-fading channels. IEEE Transactions on Communications, 2003, 51, 1214-1223.	4.9	9
49	Enhanced BIOlogically-inspired Spectrum Sharing for cognitive radio networks. , 2010, , .		9
50	Analysis of Transmit Antenna Selection With Switch-and-Examine Combining With Postselection at the Receiver Over Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2013, 62, 2859-2865.	3.9	9
51	Pseudocoherent Detection of OOK/PPM Signals as Zero-Delay Transmitted-Reference Signals With Bandpass Downsampling for UWB Communications. IEEE Transactions on Vehicular Technology, 2009, 58, 4141-4148.	3.9	8
52	Joint Message-Passing Decoding of LDPC Codes and 2-D ISI Channels. IEEE Transactions on Magnetics, 2013, 49, 675-681.	1.2	8
53	Title is missing!. Wireless Personal Communications, 2001, 18, 275-287.	1.8	7
54	Performance of two-way amplify-and-forward relay networks over asymmetric channels. , 2009, , .		7

#	Article	IF	Citations
55	Performance Analysis of Orthogonal Space-Time Block Code With Minimum-Selection Generalized Selection Combining Receiver Over Rayleigh Fading. IEEE Transactions on Vehicular Technology, 2012, 61, 1463-1467.	3.9	7
56	Two-Step User Pairing for OFDM-Based Cooperative NOMA Systems. IEEE Communications Letters, 2020, 24, 903-906.	2.5	7
57	Throughput optimization of double-threshold based improved energy detection in cooperative sensing over imperfect reporting channels. , 2013, , .		6
58	Analysis of MIMO Band-Limited DS-CDMA Systems in the Presence of Multitone Jamming Over Generalized-K Fading Channels. IEEE Transactions on Vehicular Technology, 2009, 58, 3825-3829.	3.9	5
59	Reduced-State Bahlâ€“Cockeâ€“Jelinekâ€“Raviv Detector for Patterned Media Storage. IEEE Transactions on Magnetics, 2010, 46, 4108-4110.	1.2	5
60	Lowâ€complexity channel estimation and turbo equalisation for high frequency channels. IET Communications, 2013, 7, 980-987.	1.5	5
61	Performance evaluation of improved double-threshold energy detector over Rayleigh-faded sensing and imperfect reporting channels. Physical Communication, 2015, 17, 58-71.	1.2	5
62	Rejection of Multitone Jamming for FFH/MFSK Spread-Spectrum Systems over Frequency-Selective Rayleigh-Fading Channels. IEEE Vehicular Technology Conference, 2008, , .	0.2	4
63	An Achievable Rate Region for the Cognitive Interference Channel With Causal Bidirectional Cooperation. IEEE Transactions on Vehicular Technology, 2010, 59, 1721-1728.	3.9	4
64	Performance Evaluation of Maximum-Likelihood Page Detection for 2-D Interference Channel. IEEE Transactions on Magnetics, 2012, 48, 2239-2242.	1.2	4
65	Analysis of transmit antenna selection with outputâ€threshold generalised selection combining over Rayleigh fading. IET Communications, 2013, 7, 1587-1595.	1.5	4
66	Detection and countermeasure of interference in slow FH/MFSK systems over fading channels. Physical Communication, 2014, 10, 11-23.	1.2	4
67	Energy-Harvesting Cognitive Radio Systems Cooperating for Spectrum Sensing and Utilization. , 2015, , .		4
68	Opportunistic spectrum access with temporal-spatial reuse in cognitive radio networks. , 2016, , .		4
69	Performance Analysis of Cooperative NOMA Systems With Adaptive Mode Selection and Subchannel Allocation. IEEE Transactions on Vehicular Technology, 2019, 68, 10981-10990.	3.9	4
70	Evaluation of forward-link performance in cellular DS-CDMA with Rayleigh fading and power control. International Journal of Communication Systems, 2001, 14, 243-250.	1.6	3
71	Gallager Bounds for Noncoherent Decoders in Fading Channels. IEEE Transactions on Information Theory, 2007, 53, 4605-4614.	1.5	3
72	Delay coefficients based variable step size algorithm for subband affine projection adaptive filters. IEICE Electronics Express, 2009, 6, 20-26.	0.3	3

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73	Detection of Unknown Multitone Interference Using the AR Method in Slow FH/BFSK Systems over Rayleigh Fading Channels. , 2011, , .		3
74	Detection of partial-band noise interference in slow FH/QPSK systems. , 2012, , .		3
75	Cooperative Spectrum Sensing in a Medium-Traffic Primary Network Using Double-Threshold Scheme over Imperfect Reporting Channels. , 2014, , .		3
76	Delay Coefficients Based Variable Regularization Subband Affine Projection Algorithms in Acoustic Echo Cancellation Applications. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 1699-1703.	0.2	3
77	Multitone interference detection after dehopping process in slow FH/BFSK systems over Rayleigh fading channels. , 2011, , .		2
78	DMT performance analysis of a symmetric two-user interference channel with multiple full-duplex relays. , 2012, , .		2
79	Semidefinite relaxation based beamforming in clustered cooperative multicell MISO systems. , 2013, , .		2
80	Distributed opportunistic spectrum access with spatial reuse in cognitive radio networks. , 2014, , .		2
81	A two-way training method for defending against pilot spoofing attack in MISO systems. , 2015, , .		2
82	Distributed Optimization for Resilient Transmission of Confidential Information in Interference Channels. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	2
83	A 1-Persistent Based Spectrum Sensing Among the Stochastic Cooperative Users in the Presence of the State-Variable Primary User. IEEE Transactions on Wireless Communications, 2017, 16, 5284-5295.	6.1	2
84	Secure Transmission in MISOME Wiretap Channels with Half and Full-Duplex Active Eavesdroppers. , 2017, , .		2
85	Joint User Clustering and Subcarrier Allocation for Downlink Non-Orthogonal Multiple Access Systems. , 2018, , .		2
86	Low-Complexity Iterative Receiver for Interleaved FDMA (IFDMA) with Cyclic Delay Diversity. , 2006, , .		1
87	Comments on "Variable Explicit Regularization in Affine Projection Algorithm: Robustness Issues and Optimal Choice. IEEE Transactions on Signal Processing, 2010, 58, 3952-3953.	3.2	1
88	Efficient BER computation of LDPC coded SC/MRC systems over Rayleigh fading. , 2010, , .		1
89	Effects of composite PBNJ and MTJ on FFH/MFSK systems with maximum-likelihood receiver over frequency-selective fading channels. , 2011, , .		1
90	Iterative detection scheme with LDPC codes for two-dimensional interference channels. , 2012, , .		1

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91	Detection of interference in slow FH/16-QAM systems using generalized likelihood ratio test. , 2012, , .		1
92	Low-complexity iterative receivers with adaptive channel estimation algorithm over high frequency waveform channels. , 2012, , .		1
93	Interference detection in slow frequencyâ€hopped quadrature phaseâ€shiftâ€keying systems over fading channels. IET Communications, 2013, 7, 1317-1321.	1.5	1
94	Distributed boundary estimation for spectrum sensing in cognitive radio networks. , 2013, , .		1
95	Detection of pilot spoofing attack in multi-antenna systems via energy-ratio comparison. , 2015, , .		1
96	Application of Extra Sensing by Stochastic-Modeled Secondary Users Over a Medium-Traffic Network. IEEE Transactions on Wireless Communications, 2016, 15, 5708-5718.	6.1	1
97	Interference exploitation for enhanced security in D2D spectrum sharing networks. , 2017, , .		1
98	Macro Spatial Modulation for Uplink mmWave Communication Systems. , 2017, , .		1
99	Two-Tier NOMA-Based Wireless Powered Communication Networks. IEEE Systems Journal, 2022, 16, 4698-4707.	2.9	1
100	Effect of intercell pilot signals on cellular CDMA forward link. International Journal of Communication Systems, 1999, 12, 167-173.	1.6	0
101	Adaptive Window Length Estimation for Channel Estimation in CDMA Receivers. , 2007, , .		0
102	Suppression of partial-band-noise jamming for FFH/MFSK systems over frequency-selective Rician-fading channels. , 2008, , .		0
103	An optimum diversity-combining technique for FFH/MFSK communication systems over frequency-selective fading channels with multitone jamming. , 2009, , .		0
104	Analysis of Asynchronous Band-Limited DS-CDMA with MMSE Multiuser Detector over Generalized-k Fading Channels. Wireless Personal Communications, 2010, 53, 581-590.	1.8	0
105	Detection and classification of unknown MTI and PBNI in slow FH/BFSK systems over Rayleigh fading channels. , 2011, , .		0
106	Performance analysis of synchronous FFH-MA systems with ML receiver over frequency-selective Rayleigh-fading channels. , 2012, , .		0
107	Analysis of transmit antenna selection/switch-and-examine combining over Nakagami-m fading channels. , 2012, , .		0
108	Downlink beamforming in clustered cooperative multicell MIMO systems. , 2012, , .		0

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109	Novel channel covariance matrix feedback strategy in coordinated multicell MISO networks. , 2013, , .		0
110	Classification of follower/stationary interference and multitone interference/partial-band interference in slow frequency-hopping systems. , 2013, , .		0
111	Performance study of scan-and-wait combining over Nakagami-q (Hoyt) fading channels. , 2013, , .		0
112	Secure Transmission with Hybrid Relay Scheme: Relaying and Jamming. , 2013, , .		0
113	Throughput analysis of secondary network over a medium-traffic primary network using cooperative spectrum sensing. , 2014, , .		0
114	Analysis of beam pattern and spatial capacity of massive antenna array networks with non-uniform user distribution. , 2014, , .		0
115	Energy-Harvesting Cognitive Radio Systems Cooperating for Spectrum Sensing and Utilization. , 2014, , .		0
116	Distribution of observed energy level over medium-traffic primary network using improved energy detector. , 2015, , .		0
117	Cooperative IDED in a medium-traffic primary network over Rayleigh-faded sensing channels. , 2015, , .		0
118	Secure Cooperative AF Relaying Networks with Untrustworthy Relay Nodes. , 2016, , .		0
119	Study of distance distributions and clustered user association in separation based two-tier HCNs. , 2018, , .		0
120	Modelling and analysis for twoâ€tier HCNs with coâ€tier and crossâ€tier separation dependencies. IET Communications, 2019, 13, 2639-2648.	1.5	0