

# Kwok Hung Li

## List of Publications by Year in Descending Order

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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.

86  
papers

1,430  
citations

19  
h-index

34  
g-index

120  
ext. papers

1,804  
ext. citations

5  
avg, IF

5  
L-index

#	Paper	IF	Citations
86	Two-Tier NOMA-Based Wireless Powered Communication Networks. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-10	4.3	1
85	Downlink and Uplink Intelligent Reflecting Surface Aided Networks: NOMA and OMA. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 3988-4000	9.6	22
84	Non-Orthogonal Multiple Access (NOMA) with Multiple Intelligent Reflecting Surfaces. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	8
83	Two-Step User Pairing for OFDM-Based Cooperative NOMA Systems. <i>IEEE Communications Letters</i> , <b>2020</b> , 24, 903-906	3.8	5
82	Outage Performance of Downlink IRS-Assisted NOMA Systems <b>2020</b> ,		5
81	Performance Analysis of Cooperative NOMA Systems With Adaptive Mode Selection and Subchannel Allocation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 10981-10990	6.8	3
80	Modelling and analysis for two-tier HCNs with co-tier and cross-tier separation dependencies. <i>IET Communications</i> , <b>2019</b> , 13, 2639-2648	1.3	
79	On the Impact of Adaptive Eavesdroppers in Multi-Antenna Cellular Networks. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2018</b> , 13, 269-279	8	15
78	Physical Layer Security in Heterogeneous Networks With Pilot Attack: A Stochastic Geometry Approach. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 6437-6449	6.9	22
77	Joint User Pairing and Subchannel Allocation for Multisubchannel Multiuser Nonorthogonal Multiple Access Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 8238-8248	6.8	11
76	Optimal Spectrum Access and Energy Supply for Cognitive Radio Systems With Opportunistic RF Energy Harvesting. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 7114-7122	6.8	34
75	Artificial Noise Aided Physical Layer Security in Multi-Antenna Small-Cell Networks. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2017</b> , 12, 1470-1482	8	52
74	A 1-Persistent Based Spectrum Sensing Among the Stochastic Cooperative Users in the Presence of the State-Variable Primary User. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 5284-5295	9.6	1
73	Adaptive Spatial Modulation for Uplink mmWave Communication Systems. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 2178-2181	3.8	11
72	Secrecy Throughput Maximization for MISO Multi-Eavesdropper Wiretap Channels. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2017</b> , 12, 505-515	8	19
71	Generalized Relay Selection for Improved Security in Cooperative DF Relay Networks. <i>IEEE Wireless Communications Letters</i> , <b>2016</b> , 5, 28-31	5.9	34
70	Channel Selection in Multichannel Cognitive Radio Systems Employing RF Energy Harvesting. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 457-462	6.8	26

69	Learning TemporalSpatial Spectrum Reuse. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 3092-3103	6.9	17
68	Application of Extra Sensing by Stochastic-Modeled Secondary Users Over a Medium-Traffic Network. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 5708-5718	9.6	1
67	Dynamic Cooperative SensingAccess Policy for Energy-Harvesting Cognitive Radio Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 10137-10141	6.8	25
66	Secure Transmission Against Pilot Spoofing Attack: A Two-Way Training-Based Scheme. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2016</b> , 11, 1017-1026	8	48
65	Distributed Optimization for Resilient Transmission of Confidential Information in Interference Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 1-1	6.8	2
64	Opportunistic spectrum access with temporal-spatial reuse in cognitive radio networks <b>2016</b> ,		3
63	Relay Selection for Secure Successive AF Relaying Networks With Untrusted Nodes. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2016</b> , 11, 2466-2476	8	40
62	Enhanced Physical Layer Security in D2D Spectrum Sharing Networks. <i>IEEE Wireless Communications Letters</i> , <b>2016</b> , 1-1	5.9	32
61	Study of Three-Dimensional Beamforming Strategies in Cellular Networks With Clustered User Distribution. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 10208-10213	6.8	6
60	Performance Analysis of Two-Dimensional Massive Antenna Arrays for Future Mobile Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 5400-5405	6.8	9
59	Performance evaluation of improved double-threshold energy detector over Rayleigh-faded sensing and imperfect reporting channels. <i>Physical Communication</i> , <b>2015</b> , 17, 58-71	2.2	4
58	A two-way training method for defending against pilot spoofing attack in MISO systems <b>2015</b> ,		1
57	An Energy-Ratio-Based Approach for Detecting Pilot Spoofing Attack in Multiple-Antenna Systems. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2015</b> , 10, 932-940	8	86
56	A Semidefinite Relaxation Approach for Beamforming in Cooperative Clustered Multicell Systems With Novel Limited Feedback Scheme. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 1740-1748	6.8	8
55	Energy efficient cognitive radio network based on multiband sensing and spectrum sharing. <i>IET Communications</i> , <b>2014</b> , 8, 1499-1507	1.3	11
54	Achieving Secrecy of MISO Fading Wiretap Channels via Jamming and Precoding With Imperfect Channel State Information. <i>IEEE Wireless Communications Letters</i> , <b>2014</b> , 3, 357-360	5.9	15
53	Detection and countermeasure of interference in slow FH/MFSK systems over fading channels. <i>Physical Communication</i> , <b>2014</b> , 10, 11-23	2.2	3
52	Distributed Boundary Estimation for Spectrum Sensing in Cognitive Radio Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2014</b> , 32, 1961-1973	14.2	11

51	Distributed opportunistic spectrum access with spatial reuse in cognitive radio networks <b>2014</b> ,		2
50	Low-complexity channel estimation and turbo equalisation for high frequency channels. <i>IET Communications</i> , <b>2013</b> , 7, 980-987	1.3	4
49	Jamming Rejection Using FFH/MFSK ML Receiver Over Fading Channels With the Presence of Timing and Frequency Offsets. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2013</b> , 8, 1195-1200	8	7
48	Analysis of Transmit Antenna Selection With Switch-and-Examine Combining With Postselection at the Receiver Over Rayleigh Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 2859-2865	6.8	7
47	Energy-Efficient Joint Design of Sensing and Transmission Durations for Protection of Primary User in Cognitive Radio Systems. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 565-568	3.8	78
46	Transmit Antenna Selection Systems: A Performance Comparison of Different Types of Receiver Schemes. <i>IEEE Vehicular Technology Magazine</i> , <b>2013</b> , 8, 104-112	9.9	12
45	Joint Message-Passing Decoding of LDPC Codes and 2-D ISI Channels. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 675-681	2	6
44	Throughput optimization of double-threshold based improved energy detection in cooperative sensing over imperfect reporting channels <b>2013</b> ,		4
43	Interference detection in slow frequency-hopped quadrature phase-shift-keying systems over fading channels. <i>IET Communications</i> , <b>2013</b> , 7, 1317-1321	1.3	1
42	Joint design of sensing and transmission in energy-efficient cognitive radio systems over fading channels. <i>IET Communications</i> , <b>2013</b> , 7, 577-584	1.3	29
41	Analysis of transmit antenna selection with output-threshold generalised selection combining over Rayleigh fading. <i>IET Communications</i> , <b>2013</b> , 7, 1587-1595	1.3	4
40	Distributed boundary estimation for spectrum sensing in cognitive radio networks <b>2013</b> ,		1
39	Performance Analysis of Orthogonal Space-Time Block Code With Minimum-Selection Generalized Selection Combining Receiver Over Rayleigh Fading. <i>IEEE Transactions on Vehicular Technology</i> , <b>2012</b> , 61, 1463-1467	6.8	6
38	Performance Evaluation of Maximum-Likelihood Page Detection for 2-D Interference Channel. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 2239-2242	2	4
37	An Efficient Successive Relaying Protocol for Multiple-Relay Cooperative Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2012</b> , 11, 1892-1899	9.6	25
36	Performance Study of Transmit Antenna Selection With Switch-and-Examine Combining Over Rayleigh Fading. <i>IEEE Transactions on Vehicular Technology</i> , <b>2012</b> , 61, 4205-4211	6.8	11
35	Iterative detection scheme with LDPC codes for two-dimensional interference channels <b>2012</b> ,		1
34	Joint Iterative Detection/Decoding Scheme for Discrete Two-Dimensional Interference Channels. <i>IEEE Transactions on Communications</i> , <b>2012</b> , 60, 3548-3555	6.9	20

33	Secure Communication in Multiantenna Cognitive Radio Networks With Imperfect Channel State Information. <i>IEEE Transactions on Signal Processing</i> , <b>2011</b> , 59, 1683-1693	4.8	97
32	Energy-Efficient Design of Sequential Channel Sensing in Cognitive Radio Networks: Optimal Sensing Strategy, Power Allocation, and Sensing Order. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2011</b> , 29, 1648-1659	14.2	194
31	Performance Analysis of Two-User Cooperative Multiple Access Systems With DF Relaying and Superposition Modulation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 3118-3126	6.8	10
30	Analysis of MIMO Diversity With LDPC Codes Based on a Gaussian Approximation Approach Over Rayleigh Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 4650-4656	6.8	10
29	Maximum-Likelihood FFH/MFSK Receiver over Rayleigh-Fading Channels with Composite Effects of MTJ and PBNJ. <i>IEEE Transactions on Communications</i> , <b>2011</b> , 59, 675-679	6.9	17
28	Performance and diversity analysis of decode-and-forward cooperative system over Nakagami-m fading channels. <i>Wireless Communications and Mobile Computing</i> , <b>2011</b> , 11, 742-749	1.9	6
27	Performance Analysis of LDPC Codes with Maximum-Ratio Combining Cascaded with Selection Combining over Nakagami-m Fading. <i>IEEE Transactions on Wireless Communications</i> , <b>2011</b> , 10, 1886-1894	9.6	14
26	Detection of Unknown Multitone Interference Using the AR Method in Slow FH/BFSK Systems over Rayleigh Fading Channels <b>2011</b> ,		1
25	Symbol-error rate of selection combining over two-wave with diffuse power fading <b>2011</b> ,		9
24	Enhanced BIOlogically-inspired Spectrum Sharing for cognitive radio networks <b>2010</b> ,		6
23	Comments on "Variable Explicit Regularization in Affine Projection Algorithm: Robustness Issues and Optimal Choice. <i>IEEE Transactions on Signal Processing</i> , <b>2010</b> , 58, 3952-3953	4.8	1
22	Performance analysis of LDPC codes with selection diversity combining over identical and non-identical rayleigh fading channels. <i>IEEE Communications Letters</i> , <b>2010</b> , 14, 333-335	3.8	10
21	Analysis of Asynchronous Band-Limited DS-CDMA with MMSE Multiuser Detector over Generalized-k Fading Channels. <i>Wireless Personal Communications</i> , <b>2010</b> , 53, 581-590	1.9	
20	An Achievable Rate Region for the Cognitive Interference Channel With Causal Bidirectional Cooperation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2010</b> , 59, 1721-1728	6.8	4
19	Reduced-State Bahl-Cocke-Jelinek-Raviv Detector for Patterned Media Storage. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 4108-4110	2	5
18	Performance of two-way amplify-and-forward relay networks over asymmetric channels <b>2009</b> ,		3
17	Sensing-throughput tradeoff for cognitive radio networks: A multiple-channel scenario <b>2009</b> ,		21
16	A Low-Complexity Kalman Approach for Channel Estimation in Doubly-Selective OFDM Systems. <i>IEEE Signal Processing Letters</i> , <b>2009</b> , 16, 632-635	3.2	19

15	Error probability analysis of FFH/MFSK receivers over frequency-selective Rician-fading channels with partial-band-noise jamming. <i>IEEE Transactions on Communications</i> , <b>2009</b> , 57, 2880-2885	6.9	17
14	Analysis of MIMO Band-Limited DS-SS Systems in the Presence of Multitone Jamming Over Generalized- $\alpha$ - $\beta$ Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 3825-3829	6.8	4
13	Pseudocoherent Detection of OOK/PPM Signals as Zero-Delay Transmitted-Reference Signals With Bandpass Downsampling for UWB Communications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 4141-4148	6.8	3
12	Blind identification of convolutional interleaver parameters <b>2009</b> ,		8
11	How Much Time is Needed for Qideband Spectrum Sensing?. <i>IEEE Transactions on Wireless Communications</i> , <b>2009</b> , 8, 5466-5471	9.6	107
10	Achieving cognitive and secure transmissions using multiple antennas <b>2009</b> ,		9
9	Delay coefficients based variable step size algorithm for subband affine projection adaptive filters. <i>IEICE Electronics Express</i> , <b>2009</b> , 6, 20-26	0.5	2
8	Delay Coefficients Based Variable Regularization Subband Affine Projection Algorithms in Acoustic Echo Cancellation Applications. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2009</b> , E92-A, 1699-1703	0.4	2
7	Performance Analysis of a Maximum-Likelihood FFH/MFSK Receiver with Partial-Band-Noise Jamming over Frequency-Selective Fading Channels. <i>IEEE Communications Letters</i> , <b>2008</b> , 12, 401-403	3.8	8
6	Gallager Bounds for Noncoherent Decoders in Fading Channels. <i>IEEE Transactions on Information Theory</i> , <b>2007</b> , 53, 4605-4614	2.8	3
5	Low-Complexity Iterative Receiver for Interleaved FDMA (IFDMA) with Cyclic Delay Diversity <b>2006</b> ,		1
4	Multisampling decision-feedback linear prediction receivers for differential space-time modulation over Rayleigh fast-fading channels. <i>IEEE Transactions on Communications</i> , <b>2003</b> , 51, 1214-1223	6.9	5
3	Evaluation of forward-link performance in cellular DS-SS with Rayleigh fading and power control. <i>International Journal of Communication Systems</i> , <b>2001</b> , 14, 243-250	1.7	3
2	Performance Evaluation for Forward-Link Cellular DS-SS over Frequency-Selective Nakagami Multipath Fading Channels. <i>Wireless Personal Communications</i> , <b>2001</b> , 18, 275-287	1.9	5
1	Effect of intercell pilot signals on cellular CDMA forward link. <i>International Journal of Communication Systems</i> , <b>1999</b> , 12, 167-173	1.7	