Lingge Jiang

List of Publications by Year in Descending Order

81 papers	578 citations	12 h-index	20 g-index
114 ext. papers	731 ext. citations	3.8 avg, IF	4.12 L-index

#	Paper	IF	Citations
81	A Non-Stationary 3-D Wideband Channel Model for Intelligent Reflecting Surface-Assisted HAP-MIMO Communication Systems. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	2
80	A Novel Wireless Localization Approach Using Twice Receiving Array Spectra Fusions and ASSR Networks. *IEEE Transactions on Communications*, **2021**, 69, 2628-2642	6.9	
79	Energy-Efficient Beamforming for Beamspace HAP-NOMA Systems. *IEEE Communications Letters*, **2021**, 25, 1678-1681	3.8	4
78	Multi-BS Spatial Spectrum Fusion for 2-D DOA Estimation and Localization Using UCA in Massive MIMO System. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-13	5.2	8
77	A Non-Stationary 3-D Wideband Channel Model for Low Altitude UAV-MIMO Communication Systems. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	4
76	User Grouping and Beamforming for HAP Massive MIMO Systems Based on Statistical-Eigenmode. *IEEE Wireless Communications Letters*, **2019**, 8, 961-964	5.9	15
75	Improvement of Noise Uncertainty and Signal-To-Noise Ratio Wall in Spectrum Sensing Based on Optimal Stochastic Resonance. *Sensors*, **2019**, 19,	3.8	6
74	A Novel Wireless Positioning Approach Based on Distributed Stochastic-Resonance-Enhanced Power Spectrum Fusion Technique **2019**,		3
73	Two-Stage Precoding Design in Rician Channel for HAP Massive MIMO Systems **2019**,		2
72	A 3-D Multiuser HAP-MIMO Channel Model Based on Dynamic Evolution of LOS Components. *Chinese Journal of Electronics*, **2019**, 28, 645-650	0.9	1
71	A Non-Stationary 3-D Wideband GBSM for HAP-MIMO Communication Systems. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 1128-1139	6.8	16
70	A 3-D GBSM Based on Isotropic and Non-Isotropic Scattering for HAP-MIMO Channel. *IEEE Communications Letters*, **2018**, 22, 1090-1093	3.8	5
69	Time Splitting Concurrent Transmission Framework and Resource Allocation in Wireless Powered Communication Networks. *IEEE Transactions on Green Communications and Networking*, **2018**, 2, 666-678[4]		3
68	An Improved Kernel Clustering Algorithm Used in Computer Network Intrusion Detection **2018**,		3
67	User-Centric Energy-Efficient Resource Management for Time Switching Wireless Powered Communications. *IEEE Communications Letters*, **2018**, 22, 165-168	3.8	15
66	User Equipment Beamforming Optimization for Multi-Cell Massive MIMO Systems. *IEEE Wireless Communications Letters*, **2017**, 6, 382-385	5.9	1
65	Modular Precoding Based on Zero Forcing in Large Scale Antenna Systems with Imperfect Channel State Information. *Chinese Journal of Electronics*, **2017**, 26, 424-429	0.9	

64	A 3-D Wideband Model Based on Dynamic Evolution of Scatterers for HAP-MIMO Channel. *IEEE Communications Letters*, **2017**, 21, 684-687	3.8	14
63	Decode-and-forward relaying with full-duplex wireless information and power transfer. *IET Communications*, **2017**, 11, 2110-2115	1.3	18
62	A 3-D HAP-MIMO channel model based on dynamic properties of scatterers **2017**,		4
61	A novel multiuser HAP-MIMO channel model based on birth-death process **2016**,		6
60	A Novel Channel Model for 3-D HAP-MIMO Communication Systems **2016**,		8
59	Dynamic Spectrum Allocation for Energy Harvesting-Based Underlaying D2D Communication **2016**,		9
58	Robust beamforming with block diagonalisation for MIMO interference channels. *IET Communications*, **2016**, 10, 945-949	1.3	2
57	Joint Relay Selection and Power Allocation for Full-Duplex DF Co-Operative Networks With Outdated CSI. *IEEE Communications Letters*, **2016**, 20, 510-513	3.8	8
56	Robust Beamforming Design for Max⊠Min SINR in MIMO Interference Channels. *IEEE Communications Letters*, **2016**, 20, 724-727	3.8	10
55	User Clustered Opportunistic Beamforming for Stratospheric Communications. *IEEE Communications Letters*, **2016**, 20, 1832-1835	3.8	9
54	Stochastic Geometry Based Cell Load Analysis in Heterogeneous Networks **2016**,		1
53	Joint energy-efficient resource allocation and interference alignment for HetNets. *IET Communications*, **2016**, 10, 1104-1110	1.3	4
52	Power Allocation Optimization for Full-Duplex D2D Communications Underlaying Cellular Networks **2016**,		7
51	Interference Mitigation with Dual Antenna Users in Massive MIMO Systems **2016**,		1
50	Per-Stream MSE Based Linear Transceiver Design for MIMO Interference Channels With CSI Error. *IEEE Transactions on Communications*, **2015**, 63, 1676-1689	6.9	13
49	QoS-aware energy-efficient radio resource allocation in heterogeneous wireless networks **2015**,		4
48	Power optimization for D2D communication based on rate requirement in relay-assisted networks **2015**,		4
47	Optimal Price-Based Power Control Algorithm with Quality of Service Constraints in Cognitive Radio Networks. *Chinese Journal of Electronics*, **2015**, 24, 393-397	0.9	4

46	Dynamic Decode-and-Forward Relaying with Partial CSIT and Optimal Time Allocation. *Chinese Journal of Electronics*, **2015**, 24, 193-198	0.9	
45	Resource sharing optimization for device-to-device wireless system with femtocells **2015**,		2
44	Cooperative spectrum sensing based on stochastic resonance in cognitive radio networks. *Science China Information Sciences*, **2014**, 57, 1-10	3.4	2
43	CSIT Error Analysis in TDD Systems with Estimation Delay, Noise and Pilot Interference. *IEEE Communications Letters*, **2014**, 18, 285-288	3.8	2
42	Distributed Precoding for Worst-Case MSE Optimization in Multi-Cell Downlink Systems. *IEEE Communications Letters*, **2014**, 18, 301-304	3.8	3
41	Optimal Price-Based Power Control Algorithm in Cognitive Radio Networks. *IEEE Transactions on Wireless Communications*, **2014**, 13, 5909-5920	9.6	29
40	Distributed beamforming design of the Pareto boundary for MISO interference channels **2014**,		1
39	Guard Zone Protected Capacity in Multi-Cell MISO Networks under Fading and Shadowing. *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, **2014**, E97.A, 899-903	0.4	
38	Effective Per-Antenna SSLNR Precoding for MIMO Broadcast Channel. *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, **2014**, E97.A, 665-668	0.4	1
37	The tradeoff between transmission cost and network lifetime of data gathering tree in Wireless Sensor Networks **2013**,		2
36	A Novel Game Theoretic Utility Function for Power Control in Cognitive Radio Networks **2013**,		2
35	An proportional fair resource allocation in OFDM-based cognitive radio networks under imperfect Channel-State information **2013**,		1
34	Performance Analysis of Spectrum Sensing With Multiple Primary Users. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 914-918	6.8	14
33	A Frequency-Domain Sounding Scheme for LTE TDD Beamforming Systems **2012**,		1
32	A cluster-based energy efficient MAC protocol for multi-hop cognitive radio sensor networks **2012**,		1
31	Achieving Maximum Weighted Sum-Rate in Multicell Downlink MISO Systems. *IEEE Communications Letters*, **2012**, 16, 1808-1811	3.8	6
30	Sounding reference signal design for TDD LTE-Advanced system **2012**,		3
29	A distributed power control algorithm in cognitive radio networks based on Nash bargaining solution **2012**,		3

28	Performance Analysis of Fixed Gain MIMO Relay Systems in the Presence of Co-Channel Interference. *IEEE Communications Letters*, **2012**, 16, 1133-1136	3.8	25
27	Performance of multi-antenna systems with fixed gain AF relay in the presence of co-channel interference **2012**,		1
26	A novel secondary user assisted relay mechanism in cognitive radio networks with multiple primary users **2012**,		2
25	An Analytical Model for IEEE 802.15.4 with Sleep Mode Based on Time-Varying Queue **2011**,		5
24	Near-Ideal M-ary LDGM Quantization with Recovery. *IEEE Transactions on Communications*, **2011**, 59, 1830-1839	6.9	
23	A Novel Spectrum Handoff Scheme with Spectrum Admission Control in Cognitive Radio Networks **2011**,		3
22	A Censoring Cooperative Spectrum Sensing Scheme Based on Stochastic Resonance in Cognitive Radio **2011**,		2
21	Successive SLNR Based Precoding for Downlink Multi-User MIMO Systems **2011**,		8
20	Optimal Uplink Pilot Time Interval Design for TDD MISO Beamforming Systems with Channel Estimation Error and Delay **2011**,		5
19	Impact of imperfect channel state information on TDD downlink Multiuser MIMO system **2011**,		1
18	Spectrum Sensing Approach Based on Optimal Stochastic Resonance Technique under Color Noise Background in Cognitive Radio Networks **2010**,		2
17	Distributed Wireless Sensor Network Localization Via Sequential Greedy Optimization Algorithm. *IEEE Transactions on Signal Processing*, **2010**, 58, 3328-3340	4.8	124
16	Slot-based model for IEEE 802.15.4 MAC with sleep mechanism. *IEEE Communications Letters*, **2010**, 14, 154-156	3.8	11
15	A Cyclostationary-Based Spectrum Sensing Method Using Stochastic Resonance in Cognitive Radio **2010**,		5
14	A Turbo-BICM Based Scheme for Joint Network Coding and Channel Coding **2010**,		4
13	A Channel Statistic Based Power Allocation in a Butterfly Wireless Network with Network Coding **2010**,		2
12	An analytical model for SMAC protocol in multi-hop wireless sensor networks. *Science China Information Sciences*, **2010**, 53, 2323-2331	3.4	12
11	Advanced Joint Transceiver Design for Block-Diagonal Geometric-Mean-Decomposition-Based Multiuser MIMO Systems. *IEEE Transactions on Vehicular Technology*, **2010**, 59, 692-703	6.8	10

10	A Novel Spectrum-Sensing Technique in Cognitive Radio Based on Stochastic Resonance. *IEEE Transactions on Vehicular Technology*, **2010**, 59, 1680-1688	6.8	25
9	Average entropy functions **2009**,		1
8	Normalized Incremental Subgradient Algorithm and Its Application. *IEEE Transactions on Signal Processing*, **2009**, 57, 3759-3774	4.8	10
7	A spectrum sensing method in cognitive radio based on the third order cyclic cumulant **2009**,		4
6	Inter-cell interference coordination based on softer frequency reuse in OFDMA cellular systems **2008**,		6
5	Cross-Layer Optimization for Energy-Timeliness Tradeoff in TDMA Based Sensor Networks **2008**,		2
4	Sensor Network Localization via Nondifferentiable Optimization **2008**,		3
3	Modeling and analysis of IEEE 802.15.4 CSMA/CA with sleep mode enabled **2008**,		4
2	Performance Analysis of Synchronous Wakeup Patterns in Contention-Based Sensor Networks Using a Finite Queuing Model **2007**,		7
1	Blind Detection of LSB Watermarking at Low Embedding Rate in Grayscale Images **2007**,		2