

Long Suo

List of Publications by Year in descending order

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143
papers

2,277
citations

346980

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144
docs citations

144
times ranked

2706
citing authors

#	ARTICLE	IF	CITATIONS
1	Closed-Form Sum-Rate Analysis of Interference Alignment with Limited Feedback Based on Scalar Quantization and Random Vector Quantization. Applied Sciences (Switzerland), 2022, 12, 6117.	1.3	0
2	Link Load Correlation-Based Blocking Performance Analysis for Tree-Type Data Center Networks. Applied Sciences (Switzerland), 2022, 12, 6235.	1.3	0
3	High Altitude Air-to-Ground Channel Modeling for Fixed-Wing UAV Mounted Aerial Base Stations. IEEE Wireless Communications Letters, 2021, 10, 330-334.	3.2	16
4	Stochastic Delay Analysis for Satellite Data Relay Networks With Heterogeneous Traffic and Transmission Links. IEEE Transactions on Wireless Communications, 2021, 20, 156-170.	6.1	4
5	LEO-Satellite-Assisted UAV: Joint Trajectory and Data Collection for Internet of Remote Things in 6G Aerial Access Networks. IEEE Internet of Things Journal, 2021, 8, 9814-9826.	5.5	106
6	Machine Learning-Based Resource Allocation in Satellite Networks Supporting Internet of Remote Things. IEEE Transactions on Wireless Communications, 2021, 20, 6606-6621.	6.1	40
7	Joint UAV Access and GEO Satellite Backhaul in IoRT Networks: Performance Analysis and Optimization. IEEE Internet of Things Journal, 2021, 8, 7126-7139.	5.5	22
8	Leveraging the Coupling of Radio Access Network and mmWave Backhaul Network: Modeling and Optimization. IEEE Transactions on Vehicular Technology, 2021, 70, 4852-4864.	3.9	3
9	Mission Structure Learning-Based Resource Allocation in Space Information Networks. , 2021, , .		3
10	Multi-UAV Trajectory Planning for Energy-Efficient Content Coverage: A Decentralized Learning-Based Approach. IEEE Journal on Selected Areas in Communications, 2021, 39, 3193-3207.	9.7	52
11	Exploiting Aerial Computing for Air-to-Ground Coverage Enhancement. IEEE Wireless Communications, 2021, 28, 50-58.	6.6	5
12	Deep Reinforcement Learning Based Power Allocation for High Throughput Satellites. , 2021, , .		5
13	Joint Data Collection and Transmission in 6G Aerial Access Networks. , 2021, , .		2
14	Towards Efficient Retransmission in Dense Networks With Interference Correlation. IEEE Transactions on Communications, 2020, 68, 6374-6387.	4.9	1
15	Virtual Network Functions Orchestration in Software Defined LEO Small Satellite Networks. , 2020, , .		7
16	Balancing Coverage and Response Time in Area Target Scheduling for Satellite Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 6848-6853.	3.9	2
17	Mission QoS and Satellite Service Lifetime Tradeoff in Remote Sensing Satellite Networks. IEEE Wireless Communications Letters, 2020, , 1-1.	3.2	11
18	Modeling and Performance Analysis for Satellite Data Relay Networks Using Two-Dimensional Markov-Modulated Process. IEEE Transactions on Wireless Communications, 2020, 19, 3894-3907.	6.1	19

#	ARTICLE	IF	CITATIONS
19	Effect of Interference Correlation on the Performance of Ultra-Dense Networks. , 2019, , .		4
20	STAG-Based QoS Support Routing Strategy for Multiple Missions Over the Satellite Networks. IEEE Transactions on Communications, 2019, 67, 6912-6924.	4.9	50
21	Resource Mobility in Space Information Networks: Opportunities, Challenges, and Approaches. IEEE Network, 2019, 33, 128-135.	4.9	36
22	Achievable Sum Rate and Degrees of Freedom of Opportunistic Interference Alignment in MIMO Interfering Broadcast Channels. IEEE Transactions on Communications, 2019, 67, 4062-4073.	4.9	14
23	Performance Analysis and Optimization of UAV Integrated Terrestrial Cellular Network. IEEE Internet of Things Journal, 2019, 6, 1841-1855.	5.5	23
24	Multi-Resource Coordinate Scheduling for Earth Observation in Space Information Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 268-279.	9.7	76
25	Traffic Modeling and Performance Analysis for Remote Sensing Satellite Networks. , 2018, , .		6
26	Promoting and Balancing Resource Utilization via Integration by Exploiting the Time-varying Property of Resource Requirements. , 2018, , .		1
27	A Dynamic Combined Flow Algorithm for the Two-Commodity Max-Flow Problem Over Delay-Tolerant Networks. IEEE Transactions on Wireless Communications, 2018, 17, 7879-7893.	6.1	30
28	Performance Analysis of Intermittent Satellite Links With Time-Limited Queuing Model. IEEE Communications Letters, 2018, 22, 2282-2285.	2.5	12
29	Channel-Aware Mission Scheduling in Broadband Data Relay Satellite Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1052-1064.	9.7	55
30	Improving Network Capacity Scaling Law in Ultra-Dense Small Cell Networks. IEEE Transactions on Wireless Communications, 2018, 17, 6218-6230.	6.1	17
31	Spatial Throughput Analysis and Transmission Strategy Design in Energy Harvesting Cognitive Radio Networks. IEEE Transactions on Communications, 2018, 66, 5938-5951.	4.9	12
32	CoSFR: coordinated soft frequency reuse for OFDMA-based multi-cell networks with non-uniform user distribution. Wireless Networks, 2017, 23, 2037-2050.	2.0	3
33	Antenna Slewing Time Aware Mission Scheduling in Space Networks. IEEE Communications Letters, 2017, 21, 516-519.	2.5	13
34	Modeling and Analysis of SCMA Enhanced D2D and Cellular Hybrid Network. IEEE Transactions on Communications, 2017, 65, 173-185.	4.9	27
35	Backtracking Codebook Matching Algorithm Based on Codebook Correlation for Uplink SCMA System. IEEE Communications Letters, 2017, 21, 1597-1600.	2.5	3
36	Toward a Flexible and Reconfigurable Broadband Satellite Network: Resource Management Architecture and Strategies. IEEE Wireless Communications, 2017, 24, 127-133.	6.6	104

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37	Sum Rate Analysis for Multi-Cell Random Beamforming With Heterogeneous Schedule Probabilities. IEEE Communications Letters, 2017, 21, 2706-2709.	2.5	2
38	On the coexistence of Wi-Fi and LTE-U in unlicensed spectrum. , 2017, , .		5
39	Network Densification in 5G: From the Short-Range Communications Perspective. , 2017, 55, 96-102.		73
40	The Impact of Antenna Height Difference on the Performance of Downlink Cellular Networks. , 2017, , .		8
41	Performance Analysis of Heterogeneous Cellular Networks With HARQ Under Correlated Interference. IEEE Transactions on Wireless Communications, 2017, 16, 8377-8389.	6.1	17
42	Resource management for D2D underlaying cellular network with hybrid multiple access technologies. , 2016, , .		2
43	Throughput and Fairness Analysis of Wi-Fi and LTE-U in Unlicensed Band. IEEE Journal on Selected Areas in Communications, 2016, , 1-1.	9.7	31
44	Efficient 3D Resource Management for Spectrum Aggregation in Cellular Networks. IEEE Journal on Selected Areas in Communications, 2016, , 1-1.	9.7	2
45	Traffic Adaptation and Energy Efficiency for Small Cell Networks With Dynamic TDD. IEEE Journal on Selected Areas in Communications, 2016, 34, 3234-3251.	9.7	31
46	Orthogonal Power Division Multiple Access: A Green Communication Perspective. IEEE Journal on Selected Areas in Communications, 2016, 34, 3828-3842.	9.7	36
47	Mobile-Edge Computing: Partial Computation Offloading Using Dynamic Voltage Scaling. IEEE Transactions on Communications, 2016, , 1-1.	4.9	609
48	Rate and Energy Maximization in SCMA Networks With Wireless Information and Power Transfer. IEEE Communications Letters, 2016, 20, 360-363.	2.5	40
49	Correlations of Interference and Link Successes in Heterogeneous Cellular Networks. , 2015, , .		14
50	Efficient learning of statistical primary patterns via Bayesian network. , 2015, , .		1
51	Adaptive Cross-Network Cross-Layer Design in Heterogeneous Wireless Networks. IEEE Transactions on Wireless Communications, 2015, 14, 655-669.	6.1	14
52	On Transmission Capacity Region of D2D Integrated Cellular Networks With Interference Management. IEEE Transactions on Communications, 2015, 63, 1383-1399.	4.9	19
53	Convex optimisation-based joint channel and power allocation scheme for orthogonal frequency division multiple access networks. IET Communications, 2015, 9, 28-32.	1.5	3
54	Distributed Subchannel Allocation for Interference Mitigation in OFDMA Femtocells: A Utility-Based Learning Approach. IEEE Transactions on Vehicular Technology, 2015, 64, 2463-2475.	3.9	73

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55	Beyond eICIC-Two-dimensional resource pattern optimization for macro-femto interference avoidance. , 2014, , .		1
56	On the Capacity of Downlink Multi-Hop Heterogeneous Cellular Networks. IEEE Transactions on Wireless Communications, 2014, 13, 4092-4103.	6.1	26
57	Interference management for rate-constrained moving relay node in a heterogeneous network. Science China Information Sciences, 2014, 57, 1-12.	2.7	1
58	Adaptive joint bandwidth and power allocation in heterogeneous wireless access environment. Science China Information Sciences, 2014, 57, 1-14.	2.7	1
59	Multi-user Multi-stream Vector Perturbation Precoding. Wireless Personal Communications, 2013, 69, 335-355.	1.8	7
60	Dynamic Joint Resource Optimization for LTE-Advanced Relay Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5668-5678.	6.1	30
61	Uplink resource allocation in OFDMA system using distributed antennas. Science China Information Sciences, 2013, 56, 1-6.	2.7	1
62	An iteration resource allocation method to maximize number of users with QoS demand in femtocell networks. , 2013, , .		4
63	Dynamic Power Allocation for Throughput Utility Maximization in Interference-Limited Networks. IEEE Wireless Communications Letters, 2013, 2, 22-25.	3.2	15
64	Efficient Soft Decision Fusion Rule in Cooperative Spectrum Sensing. IEEE Transactions on Signal Processing, 2013, 61, 1931-1943.	3.2	104
65	Radio resource mobility management in B3G heterogeneous networks. , 2012, , .		0
66	Robust Uniform Channel Decomposition and Power Allocation for MIMO Systems with Imperfect CSI. Wireless Personal Communications, 2012, 64, 761-781.	1.8	3
67	Dynamic Sensing Strategies for Efficient Spectrum Utilization in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3644-3655.	6.1	14
68	Spatial False Alarms in Cognitive Radio. IEEE Communications Letters, 2011, 15, 518-520.	2.5	17
69	A practical scheme for CSI mismatch in limited feedback MIMO joint transceiver design. , 2010, , .		3
70	Joint Frequency Offset and Channel Estimation for MIMO Systems in the Presence of Timing Error. Circuits, Systems, and Signal Processing, 2010, 29, 275-293.	1.2	2
71	Intercarrier interference alleviation beamforming for OFDM with space diversity. Journal of Electronics, 2010, 27, 321-327.	0.2	2
72	Interference mitigation for asynchronous cooperative STBC-OFDM systems. Journal of Electronics, 2010, 27, 440-445.	0.2	1

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73	Parameter Estimation for Correlated MIMO Channels with Frequency-Selective Fading. <i>Wireless Personal Communications</i> , 2010, 52, 813-828.	1.8	4
74	Inter-carrier cooperative coding/decoding for OFDM systems using geometric mean decomposition. , 2010, , .		0
75	Efficient Cooperative Spectrum Sensing with Minimum Overhead in Cognitive Radio. <i>IEEE Transactions on Wireless Communications</i> , 2010, 9, 3006-3011.	6.1	40
76	Lattice-reduction-aided robust detection for MIMO systems with channel estimation error. , 2010, , .		1
77	Performance analysis and improvement of cooperative MAC for multi-hop Ad Hoc networks. , 2010, , .		2
78	A Fair Cross-Layer Resource Allocation Scheme with Diverse QoS Guaranteeing. , 2009, , .		1
79	A scheme for cancelling intercarrier interference using partial response encoding for MIMO-OFDM systems. , 2009, , .		3
80	Optimal Resource Allocation for Energy Efficient Transmissions with QoS Constrains in Coded Cooperative Networks. , 2009, , .		0
81	Energy-Aware Self-Adjusted Topology Control Algorithm for Heterogeneous Wireless Ad Hoc Networks. , 2009, , .		6
82	Robust uniform channel decomposition for MIMO communications. , 2009, , .		2
83	A modified spectrum sensing method for wideband cognitive radio based on compressive sensing. , 2009, , .		7
84	An Improved Channel Estimation Algorithm for OFDM Systems with Virtual Carriers. , 2009, , .		1
85	Auction-based inter bs spectrum sharing for IEEE 802.22 WRAN systems. , 2009, , .		5
86	Multiple accumulated-crossover parallel concatenated SPC codes. <i>Science in China Series F: Information Sciences</i> , 2009, 52, 894-898.	1.1	0
87	Parameter estimation for MIMO system based on MUSIC and ML methods. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2009, 4, 161-165.	0.6	2
88	Improving Throughput Using MIMO-Based Routing Protocol with Multi-Links and Antenna-Selection. , 2009, , .		0
89	Cross-layer design of AODV-based routing in ad hoc networks with MIMO links. , 2009, , .		6
90	Joint Frequency Offset and Channel Estimation in Frequency Selective MIMO Correlated Fading Channels. , 2009, , .		0

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91	A Cross-Layer WiMAX Scheduling Algorithm Based on Genetic Algorithm. , 2009, , .		9
92	Total Least-Squares Solution of Active Target Localization Using TDOA and FDOA Measurements in WSN. , 2008, , .		23
93	Critical Transmitting Range for Biconnectivity of One-Dimensional Wireless Ad Hoc Networks. IEEE Vehicular Technology Conference, 2008, , .	0.2	2
94	Energy-Aware Dynamic Topology Control Algorithm for Wireless Ad Hoc Networks. , 2008, , .		7
95	Spectrum sensing based on linear self-signal elimination for opportunistic spectrum access. , 2008, , .		3
96	Joint Frequency Offset and Channel Estimation for MIMO Systems Based on Particle Swarm Optimization. IEEE Vehicular Technology Conference, 2008, , .	0.2	4
97	Virtual Grid Spatial Reusing Algorithm for MAC Address Assignment in Wireless Sensor Network. International Journal of Distributed Sensor Networks, 2008, 4, 142-154.	1.3	3
98	Parameter Estimation for MIMO Systems with Multiple Frequency Offsets. , 2008, , .		0
99	In-Band Sensing without Quiet Period in Cognitive Radio. , 2008, , .		11
100	Performance Analysis of Active Target Localization Using TDOA and FDOA Measurements in WSN. , 2008, , .		4
101	A Novel Distributed Topology Control Algorithm for Ad Hoc Networks. , 2007, , .		2
102	BER Analysis of a GMSK System Using Decision Feedback. , 2007, , .		1
103	Further Results on the Maximum-Likelihood IFO Estimation for OFDM Systems. IEEE Transactions on Consumer Electronics, 2007, 53, 286-288.	3.0	4
104	Optimal Training Sequences for MIMO Channel Estimation with Spatial Correlation. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	20
105	Design of the Periodic Training Sequence for Joint Channel and Frequency Estimation in MIMO Frequency-Selective Channels. Circuits, Systems, and Signal Processing, 2007, 26, 379-392.	1.2	5
106	Broadcast scheduling with MIMO links in multi-hop ad hoc networks. Journal of Electronics, 2007, 24, 477-483.	0.2	1
107	Ergodic capacity formula of MIMO-OFDM systems under correlated frequency selective Rayleigh fading channels. Journal of Electronics, 2007, 24, 588-592.	0.2	1
108	Iterative parameter estimation in MIMO flat-fading channels with frequency offsets. , 2006, , .		8

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109	Carrier-frequency offsets estimation based on ML and ESPRIT method for OFDMA uplink. , 2006, , .		0
110	Critical nodes detection in mobile ad hoc network. , 2006, , .		11
111	Novel WPDM System Based on Channel Equalization for Multipath Fading Channels. , 2006, , .		2
112	A novel self-adaptive transmission scheme over an IEEE 802.11 WLAN for supporting multi-service. Wireless Communications and Mobile Computing, 2006, 6, 467-474.	0.8	5
113	Virtual Grid Spatial Reusing Algorithm for MAC Address Assignment in Wireless Sensor Netetwork. , 2006, , .		3
114	A novel geographic routing algorithm for ad hoc networks based on localized Delaunay triangulation. , 2006, , .		3
115	Relative Degree Adaptive Flooding Broadcast Algorithm for Ad Hoc Networks. IEEE Transactions on Broadcasting, 2005, 51, 216-222.	2.5	32
116	A novel integer frequency offset estimator for OFDM. Journal of Electronics, 2005, 22, 569-574.	0.2	0
117	A traffic overstock reslove scheme in WLAN. Journal of Electronics, 2005, 22, 478-484.	0.2	0
118	A new interference cancellation arithmetic of space-time coding system. , 2004, , .		1
119	A universal algorithm of modulation and demodulation. Journal of Electronics, 2002, 19, 289-295.	0.2	0
120	A user-dependent Perfect-scheduling Multiple Access protocol for voice-data integration in wireless networks. Journal of Electronics, 2002, 19, 392-398.	0.2	0
121	Maximum likelihood estimation of integer frequency offset for OFDM. , 0, , .		4
122	A user adaptive scheduling multiple access protocol. , 0, , .		0
123	An efficient estimator for OFDM integer frequency offset synchronization. , 0, , .		0
124	Adaptive control protocol in mobile wireless ad hoc networks. , 0, , .		0
125	Adaptive acquisition collision avoidance multiple access for multihop ad hoc wireless networks. , 0, , .		2
126	Adaptive acquisition multiple access protocol in wireless multihop mobile ad hoc networks. , 0, , .		2

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127	An analysis of the optimum interactive mode of control message for ad hoc mobile networks. , 0, , .		0
128	A novel qos-supported mac protocol for wireless network with smart antennas. , 0, , .		0
129	A novel multiple access protocol for mobile ad hoc networks with smart antennas. , 0, , .		7
130	A novel multiple access protocol for wireless Internet access network with smart antennas. , 0, , .		0
131	ML-based estimator for integer frequency offset estimation of OFDM systems. , 0, , .		0
132	Comparison of integer frequency offset estimators for OFDM systems. , 0, , .		1
133	A study of selfadaptive transmission for integrated voice and data services over an IEEE 802.11 WLAN. , 0, , .		0
134	Performance analysis of IEEE 802.11 WLAN to support voice services. , 0, , .		8
135	Performance evaluation of IEEE 802.11 WLAN - high speed packet wireless data network for supporting voice service. , 0, , .		3
136	A novel integer frequency offset estimator for OFDM. , 0, , .		1
137	Access Delay of Efficient Media Access Schemes for Wireless LAN with Smart Antenna. , 0, , .		0
138	An Enhanced User-Dependent Perfect-Scheduling Multiple Access Protocol for Wireless Packet Network. , 0, , .		1
139	Adaptive QoS-guarantee multiple access protocol in multimedia wireless network. , 0, , .		0
140	WPDM system based on FSE and ML algorithm for multipath fading channel. , 0, , .		0
141	Performance evaluation of access delay of efficient media access schemes for WLAN with smart antenna. , 0, , .		1
142	Cost-Efficient QoS Routing Protocol for Mobile Ad Hoc Networks. , 0, , .		3
143	Effect of Mobility on the Critical Transmitting Range for Connectivity in Wireless Ad Hoc Networks. , 0, , .		3