

Lie-Liang Yang

List of Publications by Year in descending order

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285
papers

5,761
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101496

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138417

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all docs

286
docs citations

286
times ranked

3511
citing authors

#	ARTICLE	IF	CITATIONS
1	Taking Drones to the Next Level: Cooperative Distributed Unmanned-Aerial-Vehicular Networks for Small and Mini Drones. IEEE Vehicular Technology Magazine, 2017, 12, 73-82.	2.8	343
2	Performance of generalized multicarrier DS-CDMA over Nakagami-m fading channels. IEEE Transactions on Communications, 2002, 50, 956-966.	4.9	190
3	Information-guided channel-hopping for high data rate wireless communication. IEEE Communications Letters, 2008, 12, 225-227.	2.5	179
4	Generalised Pre-Coding Aided Spatial Modulation. IEEE Transactions on Wireless Communications, 2013, 12, 5434-5443.	6.1	174
5	Transmitter Preprocessing Aided Spatial Modulation for Multiple-Input Multiple-Output Systems. , 2011, , .		159
6	Multicarrier ds-cdma: a multiple access scheme for ubiquitous broadband wireless communications. , 2003, 41, 116-124.		140
7	Aeronautical \$Ad-Hoc\$ Networking for the Internet-Above-the-Clouds. Proceedings of the IEEE, 2019, 107, 868-911.	16.4	132
8	Performance Analysis of Multihop-Diversity-Aided Multihop Links. IEEE Transactions on Vehicular Technology, 2012, 61, 2504-2516.	3.9	103
9	Error probability of digital communications using relay diversity over Nakagami-m fading channels. IEEE Transactions on Wireless Communications, 2008, 7, 1806-1811.	6.1	96
10	Survey of Turbo, LDPC, and Polar Decoder ASIC Implementations. IEEE Communications Surveys and Tutorials, 2019, 21, 2309-2333.	24.8	92
11	Error Probability and Capacity Analysis of Generalised Pre-Coding Aided Spatial Modulation. IEEE Transactions on Wireless Communications, 2015, 14, 364-375.	6.1	89
12	A recursive algorithm for the error probability evaluation of M-QAM. IEEE Communications Letters, 2000, 4, 304-306.	2.5	85
13	Transmit-Diversity-Assisted Space-Shift Keying for Colocated and Distributed/Cooperative MIMO Elements. IEEE Transactions on Vehicular Technology, 2011, 60, 2864-2869.	3.9	72
14	Transmitter Precoding-Aided Spatial Modulation for Secrecy Communications. IEEE Transactions on Vehicular Technology, 2016, 65, 467-471.	3.9	72
15	Secret Precoding-Aided Spatial Modulation. IEEE Communications Letters, 2015, 19, 1544-1547.	2.5	70
16	Non-Orthogonal Multiple Access: A Unified Perspective. IEEE Wireless Communications, 2018, 25, 10-16.	6.6	63
17	Serial acquisition of DS-CDMA signals in multipath fading mobile channels. IEEE Transactions on Vehicular Technology, 2001, 50, 617-628.	3.9	61
18	Compressed Sensing Improves the Performance of Subcarrier Index-Modulation-Assisted OFDM. IEEE Access, 2016, 4, 7859-7873.	2.6	61

#	ARTICLE	IF	CITATIONS
19	Extrinsic Information Transfer Charts for Characterizing the Iterative Decoding Convergence of Fully Parallel Turbo Decoders. IEEE Access, 2015, 3, 2100-2110.	2.6	59
20	Carrier Phase Ranging for Indoor Positioning With 5G NR Signals. IEEE Internet of Things Journal, 2022, 9, 10908-10919.	5.5	55
21	Sixty Years of Coherent Versus Non-Coherent Tradeoffs and the Road From 5G to Wireless Futures. IEEE Access, 2019, 7, 178246-178299.	2.6	49
22	Adaptive Coding and Modulation for Large-Scale Antenna Array-Based Aeronautical Communications in the Presence of Co-Channel Interference. IEEE Transactions on Wireless Communications, 2018, 17, 1343-1357.	6.1	48
23	A Survey and Tutorial on Low-Complexity Turbo Coding Techniques and a Holistic Hybrid ARQ Design Example. IEEE Communications Surveys and Tutorials, 2013, 15, 1546-1566.	24.8	47
24	Secure Spatial Modulation With a Full-Duplex Receiver. IEEE Wireless Communications Letters, 2017, 6, 838-841.	3.2	46
25	Spatial Modulation for Molecular Communication. IEEE Transactions on Nanobioscience, 2019, 18, 381-395.	2.2	45
26	A Low-Complexity Turbo Decoder Architecture for Energy-Efficient Wireless Sensor Networks. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2013, 21, 14-22.	2.1	44
27	A Fully-Parallel Turbo Decoding Algorithm. IEEE Transactions on Communications, 2015, 63, 2762-2775.	4.9	44
28	Mapping-Variied Spatial Modulation for Physical Layer Security: Transmission Strategy and Secrecy Rate. IEEE Journal on Selected Areas in Communications, 2018, 36, 877-889.	9.7	44
29	Zero-Forcing and Minimum Mean-Square Error Multiuser Detection in Generalized Multicarrier DS-CDMA Systems for Cognitive Radio. Eurasip Journal on Wireless Communications and Networking, 2007, 2008, .	1.5	42
30	A zero-forcing multiuser transmitter preprocessing scheme for downlink communications. IEEE Transactions on Communications, 2008, 56, 862-865.	4.9	42
31	Spatial Modulation Aided Sparse Code-Division Multiple Access. IEEE Transactions on Wireless Communications, 2018, 17, 1474-1487.	6.1	42
32	The Development, Operation and Performance of the 5G Polar Codes. IEEE Communications Surveys and Tutorials, 2020, 22, 96-122.	24.8	42
33	Sparse or Dense: A Comparative Study of Code-Domain NOMA Systems. IEEE Transactions on Wireless Communications, 2021, 20, 4768-4780.	6.1	42
34	Error Performance Analysis of Diffusive Molecular Communication Systems With On-Off Keying Modulation. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2017, 3, 224-238.	1.4	41
35	A low-complexity subcarrier-power allocation scheme for frequency-division multiple-access systems. IEEE Transactions on Wireless Communications, 2010, 9, 1564-1570.	6.1	40
36	Energy Pattern Aided Simultaneous Wireless Information and Power Transfer. IEEE Journal on Selected Areas in Communications, 2015, 33, 1492-1504.	9.7	40

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37	Residue number system assisted fast frequency-hopped synchronous ultra-wideband spread-spectrum multiple-access: a design alternative to impulse radio. IEEE Journal on Selected Areas in Communications, 2002, 20, 1652-1663.	9.7	38
38	Optical Jamming Enhances the Secrecy Performance of the Generalized Space-Shift-Keying-Aided Visible-Light Downlink. IEEE Transactions on Communications, 2018, 66, 4087-4102.	4.9	38
39	Performance of broadband multicarrier DS-CDMA using space-time spreading-assisted transmit diversity. IEEE Transactions on Wireless Communications, 2005, 4, 885-894.	6.1	37
40	Serial acquisition performance of single-carrier and multicarrier DS-CDMA over Nakagami-m fading channels. IEEE Transactions on Wireless Communications, 2002, 1, 692-702.	6.1	35
41	A Novel Transmission Policy for Intelligent Reflecting Surface Assisted Wireless Powered Sensor Networks. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 1143-1158.	7.3	35
42	Signal Detection in Antenna-Hopping Space-Division Multiple-Access Systems With Space-Shift Keying Modulation. IEEE Transactions on Signal Processing, 2012, 60, 351-366.	3.2	34
43	Bridging the Social and Wireless Networking Divide: Information Dissemination in Integrated Cellular and Opportunistic Networks. IEEE Access, 2015, 3, 1809-1848.	2.6	34
44	Transmitter-Precoding-Aided Spatial Modulation Achieving Both Transmit and Receive Diversity. IEEE Transactions on Vehicular Technology, 2018, 67, 1375-1388.	3.9	33
45	Iterative Construction of Reversible Variable-Length Codes and Variable-Length Error-Correcting Codes. IEEE Communications Letters, 2004, 8, 671-673.	2.5	31
46	Performance Analysis of Multihop Wireless Links Over Generalized- α - β Fading Channels. IEEE Transactions on Vehicular Technology, 2012, 61, 1590-1598.	3.9	31
47	Cross-Layer Aided Energy-Efficient Routing Design for Ad Hoc Networks. IEEE Communications Surveys and Tutorials, 2015, 17, 1214-1238.	24.8	30
48	Optimal Spatial-Domain Design for Spatial Modulation Capacity Maximization. IEEE Communications Letters, 2016, 20, 1092-1095.	2.5	30
49	Gaussian Approximate Message Passing Detection of Orthogonal Time Frequency Space Modulation. IEEE Transactions on Vehicular Technology, 2021, 70, 10999-11004.	3.9	30
50	Maximum Average Service Rate and Optimal Queue Scheduling of Delay-Constrained Hybrid Cognitive Radio in Nakagami Fading Channels. IEEE Transactions on Vehicular Technology, 2013, 62, 2220-2229.	3.9	28
51	Energy-Efficient Cross-Layer Design of Wireless Mesh Networks for Content Sharing in Online Social Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 8495-8509.	3.9	28
52	A residue number system based parallel communication scheme using orthogonal signaling. I. System outline. IEEE Transactions on Vehicular Technology, 2002, 51, 1534-1546.	3.9	27
53	Performance of DS-CDMA downlink using transmitter preprocessing and relay diversity over Nakagami-m fading channels. IEEE Transactions on Wireless Communications, 2009, 8, 678-682.	6.1	27
54	Overlapping M-ary frequency shift keying spread-spectrum multiple-access systems using random signal sequences. IEEE Transactions on Vehicular Technology, 1999, 48, 1984-1995.	3.9	26

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55	Performance analysis of coded M-ary orthogonal signaling using errors-and-erasures decoding over frequency-selective fading channels. IEEE Journal on Selected Areas in Communications, 2001, 19, 211-221.	9.7	26
56	Acquisition of m -Sequences Using Recursive Soft Sequential Estimation. IEEE Transactions on Communications, 2004, 52, 199-204.	4.9	26
57	Receiver Multiuser Diversity Aided Multi-Stage Minimum Mean-Square Error Detection for Heavily Loaded DS-CDMA and SDMA Systems. IEEE Transactions on Communications, 2010, 58, 3397-3404.	4.9	26
58	Unified Bit-Based Probabilistic Data Association Aided MIMO Detection for High-Order QAM Constellations. IEEE Transactions on Vehicular Technology, 2011, 60, 981-991.	3.9	26
59	Differential-Detection Aided Large-Scale Generalized Spatial Modulation is Capable of Operating in High-Mobility Millimeter-Wave Channels. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1360-1374.	7.3	26
60	Adaptive Rate DS-CDMA Systems Using Variable Spreading Factors. IEEE Transactions on Vehicular Technology, 2004, 53, 72-81.	3.9	25
61	Maximum-Throughput Irregular Distributed Space-Time Code for Near-Capacity Cooperative Communications. IEEE Transactions on Vehicular Technology, 2010, 59, 1511-1517.	3.9	25
62	An Energy-Efficient Error Correction Scheme for IEEE 802.15.4 Wireless Sensor Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 233-237.	2.2	25
63	Performance of Cognitive Stop-and-Wait Hybrid Automatic Repeat Request in the Face of Imperfect Sensing. IEEE Access, 2016, 4, 5489-5508.	2.6	25
64	Adaptive Coherent/Non-Coherent Single/Multiple-Antenna Aided Channel Coded Ground-to-Air Aeronautical Communication. IEEE Transactions on Communications, 2019, 67, 1099-1116.	4.9	25
65	Polar Codes and Their Quantum-Domain Counterparts. IEEE Communications Surveys and Tutorials, 2020, 22, 123-155.	24.8	25
66	Generalized Molecular-Shift Keying (GMoSK): Principles and Performance Analysis. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2020, 6, 168-183.	1.4	25
67	Multiuser Detection Assisted Time- and Frequency-Domain Spread Multicarrier Code-Division Multiple-Access. IEEE Transactions on Vehicular Technology, 2006, 55, 397-405.	3.9	24
68	Reduced-rank adaptive multiuser detection in hybrid direct-sequence time-hopping ultrawide bandwidth systems. IEEE Transactions on Wireless Communications, 2010, 9, 156-167.	6.1	24
69	Secrecy Analysis of Generalized Space-Shift Keying Aided Visible Light Communication. IEEE Access, 2018, 6, 18310-18324.	2.6	24
70	Low complexity erasure insertion in RS-coded SFH spread-spectrum communications with partial-band interference and Nakagami-m fading. IEEE Transactions on Communications, 2002, 50, 914-925.	4.9	23
71	Performance of generalized multicarrier DS-CDMA using various chip waveforms. IEEE Transactions on Communications, 2003, 51, 748-752.	4.9	23
72	Iteratively Decoded Variable Length Space-Time Coded Modulation: Code Construction and Convergence Analysis. IEEE Transactions on Wireless Communications, 2007, 6, 1953-1963.	6.1	23

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73	From Nominal to True A Posteriori Probabilities: An Exact Bayesian Theorem Based Probabilistic Data Association Approach for Iterative MIMO Detection and Decoding. IEEE Transactions on Communications, 2013, 61, 2782-2793.	4.9	23
74	Unary-Coded Dimming Control Improves ON-OFF Keying Visible Light Communication. IEEE Transactions on Communications, 2018, 66, 255-264.	4.9	23
75	Regularized Zero-Forcing Precoding-Aided Adaptive Coding and Modulation for Large-Scale Antenna Array-Based Air-to-Air Communications. IEEE Journal on Selected Areas in Communications, 2018, 36, 2087-2103.	9.7	23
76	Intrusion Detection Based on γ -Coverage in Mobile Sensor Networks With Empowered Intruders. IEEE Transactions on Vehicular Technology, 2018, 67, 12109-12123.	3.9	22
77	MIMO-assisted space-code-division multiple-access: linear detectors and performance over multipath fading channels. IEEE Journal on Selected Areas in Communications, 2006, 24, 121-131.	9.7	21
78	CRC-Aided Logarithmic Stack Decoding of Polar Codes for Ultra Reliable Low Latency Communication in 3GPP New Radio. IEEE Access, 2019, 7, 28559-28573.	2.6	21
79	Reconfigurable Intelligent Surface Assisted Multi-Carrier Wireless Systems for Doubly Selective High-Mobility Ricean Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 4023-4041.	3.9	21
80	Performance of Distributed-Antenna DS-CDMA Systems Over Composite Lognormal Shadowing and Nakagami- m -Fading Channels. IEEE Transactions on Vehicular Technology, 2009, 58, 2872-2883.	3.9	20
81	Delay Analysis of Social Group Multicast-Aided Content Dissemination in Cellular System. IEEE Transactions on Communications, 2016, 64, 1660-1673.	4.9	20
82	Secrecy sum rate maximization in NOMA systems with wireless information and power transfer. , 2017, , .		20
83	Deep-Learning-Aided Joint Channel Estimation and Data Detection for Spatial Modulation. IEEE Access, 2020, 8, 191910-191919.	2.6	20
84	Blind joint soft-detection assisted slow frequency-hopping multicarrier DS-CDMA. IEEE Transactions on Communications, 2000, 48, 1520-1529.	4.9	19
85	Transmitter-Preprocessing-Assisted Cooperative Downlink Transmission in DS-CDMA Systems Experiencing Propagation Path Loss and Nakagami- m Fading. IEEE Transactions on Vehicular Technology, 2009, 58, 4182-4192.	3.9	19
86	Near-Capacity Cooperative Space-Time Coding Employing Irregular Design and Successive Relaying. IEEE Transactions on Communications, 2010, 58, 2232-2241.	4.9	19
87	Joint Wireless Positioning and Emitter Identification in DVB-T Single Frequency Networks. IEEE Transactions on Broadcasting, 2017, 63, 577-582.	2.5	19
88	Physical-Layer Secret Key Generation via CQI-Mapped Spatial Modulation in Multi-Hop Wiretap Ad-Hoc Networks. IEEE Transactions on Information Forensics and Security, 2021, 16, 1322-1334.	4.5	19
89	A Unary Error Correction Code for the Near-Capacity Joint Source and Channel Coding of Symbol Values from an Infinite Set. IEEE Transactions on Communications, 2013, 61, 1977-1987.	4.9	18
90	Performance Analysis of Non-Linear Generalized Pre-Coding Aided Spatial Modulation. IEEE Transactions on Wireless Communications, 2016, 15, 6731-6741.	6.1	18

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91	Discrete Multi-Tone Digital Subscriber Loop Performance in the Face of Impulsive Noise. IEEE Access, 2017, 5, 10478-10495.	2.6	18
92	Carrier Frequency Offset Estimation in Uplink OFDMA Systems: An Approach Relying on Sparse Recovery. IEEE Transactions on Vehicular Technology, 2017, 66, 9592-9597.	3.9	18
93	Joint Transmitter-Receiver Spatial Modulation. IEEE Access, 2018, 6, 6411-6423.	2.6	18
94	Performance Analysis of Secret Precoding-Aided Spatial Modulation With Finite-Alphabet Signaling. IEEE Access, 2018, 6, 29366-29381.	2.6	18
95	Molecular Type Permutation Shift Keying for Molecular Communication. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2020, 6, 160-164.	1.4	18
96	Near-Optimum Multiuser Detectors Using Soft-Output Ant-Colony-Optimization for the DS-CDMA Uplink. IEEE Signal Processing Letters, 2009, 16, 137-140.	2.1	17
97	Iterative Decoding Convergence and Termination of Serially Concatenated Codes. IEEE Transactions on Vehicular Technology, 2010, 59, 216-224.	3.9	17
98	Reduced-complexity near-capacity downlink iteratively decoded generalized multi-layer space-time coding using irregular convolutional codes. IEEE Transactions on Wireless Communications, 2010, 9, 684-695.	6.1	17
99	Distributed Probabilistic-Data-Association-Based Soft Reception Employing Base Station Cooperation in MIMO-Aided Multiuser Multicell Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 3532-3538.	3.9	17
100	Energy-Efficient Dynamic Resource Allocation for Opportunistic-Relaying-Assisted SC-FDMA Using Turbo-Equalizer-Aided Soft Decode-and-Forward. IEEE Transactions on Vehicular Technology, 2013, 62, 235-246.	3.9	17
101	Novel Subcarrier-Allocation Schemes for Downlink MC DS-CDMA Systems. IEEE Transactions on Wireless Communications, 2014, 13, 5716-5728.	6.1	17
102	Secure Wireless Transmission Based on Precoding-Aided Spatial Modulation. , 2015, , .		17
103	Compressed Impairment Sensing-Assisted and Interleaved-Double-FFT-Aided Modulation Improves Broadband Power Line Communications Subjected to Asynchronous Impulsive Noise. IEEE Access, 2016, 4, 81-96.	2.6	17
104	A Flexible FPGA-Based Quasi-Cyclic LDPC Decoder. IEEE Access, 2017, 5, 20965-20984.	2.6	17
105	Physical Layer Security of Spatially Modulated Sparse-Code Multiple Access in Aeronautical Ad-hoc Networking. IEEE Transactions on Vehicular Technology, 2021, 70, 2436-2447.	3.9	17
106	Secrecy Throughput in Full-Duplex Multiuser MIMO Short-Packet Communications. IEEE Wireless Communications Letters, 2021, 10, 1339-1343.	3.2	17
107	Residue number system arithmetic assisted M-ary modulation. IEEE Communications Letters, 1999, 3, 28-30.	2.5	16
108	A Reed-Solomon coded DS-CDMA system using noncoherent M-ary orthogonal modulation over multipath fading channels. IEEE Journal on Selected Areas in Communications, 2000, 18, 2240-2251.	9.7	16

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109	Systematic Redundant Residue Number System Codes: Analytical Upper Bound and Iterative Decoding Performance Over AWGN and Rayleigh Channels. IEEE Transactions on Communications, 2006, 54, 1006-1016.	4.9	16
110	On the Asymptotic Spectral Efficiency of Uplink MIMO-CDMA Systems Over Rayleigh Fading Channels With Arbitrary Spatial Correlation. IEEE Transactions on Vehicular Technology, 2013, 62, 679-691.	3.9	16
111	Spatial Modulation Exploited in Non-Reciprocal Two-Way Relay Channels: Efficient Protocols and Capacity Analysis. IEEE Transactions on Communications, 2016, 64, 2821-2834.	4.9	16
112	Space Shift Keying for Molecular Communication: Theory and Experiment. , 2019, , .		16
113	Soft List Decoding of Polar Codes. IEEE Transactions on Vehicular Technology, 2020, 69, 13921-13926.	3.9	16
114	A residue number system based parallel communication scheme using orthogonal signaling. II. Multipath fading channels. IEEE Transactions on Vehicular Technology, 2002, 51, 1547-1559.	3.9	15
115	Mellin-Transform-Based Performance Analysis of FFH M -ary FSK Using Product Combining for Combatting Partial-Band Noise Jamming. IEEE Transactions on Vehicular Technology, 2008, 57, 2757-2765.	3.9	15
116	Performance of Multihop Wireless Links over Generalized-K Fading Channels. , 2010, , .		15
117	Arbitrarily Parallel Turbo Decoding for Ultra-Reliable Low Latency Communication in 3GPP LTE. IEEE Journal on Selected Areas in Communications, 2019, 37, 826-838.	9.7	15
118	Machine Learning Assisted Adaptive Index Modulation for mmWave Communications. IEEE Open Journal of the Communications Society, 2020, 1, 1425-1441.	4.4	15
119	Differential acquisition of m-sequences using recursive soft sequential estimation. IEEE Transactions on Wireless Communications, 2005, 4, 128-136.	6.1	14
120	Stochastic Computing Improves the Timing-Error Tolerance and Latency of Turbo Decoders: Design Guidelines and Tradeoffs. IEEE Access, 2016, 4, 1008-1038.	2.6	14
121	Piecewise Companding Transform Assisted Optical-OFDM Systems for Indoor Visible Light Communications. IEEE Access, 2017, 5, 295-311.	2.6	14
122	Optimal Power Allocation in Spatial Modulation Systems. IEEE Transactions on Wireless Communications, 2017, 16, 1646-1655.	6.1	14
123	Modularity-Based Dynamic Clustering for Energy Efficient UAVs-Aided Communications. IEEE Wireless Communications Letters, 2018, 7, 728-731.	3.2	14
124	Spatial Modulated Multicarrier Sparse Code-Division Multiple Access. IEEE Transactions on Wireless Communications, 2020, 19, 610-623.	6.1	14
125	Self-Interference Cancellation and Channel Estimation in Multicarrier-Division Duplex Systems With Hybrid Beamforming. IEEE Access, 2020, 8, 160653-160669.	2.6	14
126	Transmit Antenna Subset Selection in Generalized Spatial Modulation Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 1979-1983.	3.9	13

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127	Resource Allocation for Multiuser Molecular Communication Systems Oriented to the Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 15939-15952.	5.5	13
128	Iterative Receiver Design for Polar-Coded SCMA Systems. IEEE Transactions on Communications, 2021, 69, 4235-4246.	4.9	13
129	Ant-Colony-Based Multiuser Detection for MC DS-CDMA Systems. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	12
130	Delay and Throughput Analysis of Cognitive Go-Back-N HARQ in the Face of Imperfect Sensing. IEEE Access, 2017, 5, 7454-7473.	2.6	12
131	Blind Analog Interference Cancellation. IEEE Communications Letters, 2017, 21, 1867-1870.	2.5	12
132	Deep-Learning-Aided Packet Routing in Aeronautical <i>Ad Hoc</i> Networks Relying on Real Flight Data: From Single-Objective to Near-Pareto Multiobjective Optimization. IEEE Internet of Things Journal, 2022, 9, 4598-4614.	5.5	12
133	Improved Coverage and Connectivity via Weighted Node Deployment in Solar Insecticidal Lamp Internet of Things. IEEE Internet of Things Journal, 2021, 8, 10170-10186.	5.5	12
134	A channel hopping technique I: theoretical studies on band efficiency and capacity. , 2004, , .		11
135	Performance of Fractionally Spread Multicarrier CDMA in AWGN as Well as Slow and Fast Nakagami- m Fading Channels. IEEE Transactions on Vehicular Technology, 2005, 54, 1817-1827.	3.9	11
136	Erasure Insertion in RS-Coded SFH MFSK Subjected to Tone Jamming and Rayleigh Fading. IEEE Transactions on Vehicular Technology, 2007, 56, 3563-3571.	3.9	11
137	Time-Hopping Multicarrier Code-Division Multiple Access. IEEE Transactions on Vehicular Technology, 2007, 56, 731-741.	3.9	11
138	Multihop Diversity - A Precious Source of Fading Mitigation in Multihop Wireless Networks. , 2011, , .		11
139	Capacity of generalised network multiple-input-output systems with multicell cooperation. IET Communications, 2013, 7, 1925-1937.	1.5	11
140	Constant-Envelope Space-Time Shift Keying. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1387-1402.	7.3	11
141	Permutation-Based TCP and UDP Transmissions to Improve Goodput and Latency in the Internet of Things. IEEE Internet of Things Journal, 2021, 8, 14276-14286.	5.5	11
142	Time- and Frequency-Domain-Spread Generalized Multicarrier DS-CDMA Using Subspace-Based Blind and Group-Blind Space-Time Multiuser Detection. IEEE Transactions on Vehicular Technology, 2008, 57, 3235-3241.	3.9	10
143	Time delay tracking for positioning in DTV networks. , 2012, , .		10
144	Near-Capacity Joint Source and Channel Coding of Symbol Values from an Infinite Source Set Using Elias Gamma Error Correction Codes. IEEE Transactions on Communications, 2014, 62, 280-292.	4.9	10

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145	Performance comparison of cooperative relay links with different relay processing strategies: Nakagami/Gamma approximation approaches. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2014, 2014, .	1.5	10
146	Spectral- and Energy-Efficiency of Multi-Pair Two-Way Massive MIMO Relay Systems Experiencing Channel Aging. <i>IEEE Access</i> , 2019, 7, 46014-46032.	2.6	10
147	Linear Precoded Index Modulation. <i>IEEE Transactions on Communications</i> , 2019, 67, 350-363.	4.9	10
148	A Rising Edge-Based Detection Algorithm for MIMO Molecular Communication. <i>IEEE Wireless Communications Letters</i> , 2020, 9, 523-527.	3.2	10
149	Channel Estimation and User Activity Identification in Massive Grant-Free Multiple-Access. <i>IEEE Open Journal of Vehicular Technology</i> , 2020, 1, 296-316.	3.4	10
150	On the performance of band-limited asynchronous DS-CDMA over nakagami-m channels. <i>IEEE Transactions on Wireless Communications</i> , 2006, 5, 1586-1593.	6.1	9
151	Iterative Detection of Unity-Rate Precoded FFH-MFSK and Irregular Variable-Length Coding. <i>IEEE Transactions on Vehicular Technology</i> , 2009, 58, 3765-3770.	3.9	9
152	Steady-State Throughput Analysis of Network Coding Nodes Employing Stop-and-Wait Automatic Repeat Request. <i>IEEE/ACM Transactions on Networking</i> , 2012, 20, 1402-1411.	2.6	9
153	Analysis of voltage- and clock-scaling-induced timing errors in stochastic LDPC decoders. , 2013, , .		9
154	Irregular Trellis for the Near-Capacity Unary Error Correction Coding of Symbol Values From an Infinite Set. <i>IEEE Transactions on Communications</i> , 2015, 63, 5073-5088.	4.9	9
155	Reduced-Complexity Soft-Decision Multiple-Symbol Differential Sphere Detection. <i>IEEE Transactions on Communications</i> , 2015, 63, 3275-3289.	4.9	9
156	Performance of Cognitive Selective-Repeat Hybrid Automatic Repeat Request. <i>IEEE Access</i> , 2016, 4, 9828-9846.	2.6	9
157	Performance analysis of orthogonal frequency division multiplexing systems in dispersive indoor power line channels inflicting asynchronous impulsive noise. <i>IET Communications</i> , 2016, 10, 453-461.	1.5	9
158	Diffusion-based molecular communications: Inter-symbol interference cancellation and system performance. , 2016, , .		9
159	Guest Editorial Special Issue on 5G Wireless Systems With Massive MIMO. <i>IEEE Systems Journal</i> , 2017, 11, 4-6.	2.9	9
160	Joint User-Activity and Data Detection for Grant-Free Spatial-Modulated Multi-Carrier Non-Orthogonal Multiple Access. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 11673-11684.	3.9	9
161	Permutation-Based Transmissions in Ultra-Reliable and Low-Latency Communications. <i>IEEE Communications Letters</i> , 2021, 25, 1024-1028.	2.5	9
162	Spectral-Efficiency of Time-Frequency-Domain Spread Multicarrier DS-CDMA in Frequency-Selective Nakagami-m Fading Channels. , 2008, , .		8

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163	A Single-User Noncoherent Combining Scheme Achieving Multiuser Interference Mitigation for FFH/MFSK Systems. IEEE Transactions on Wireless Communications, 2013, 12, 4306-4314.	6.1	8
164	On the complexity of Unary Error Correction codes for the near-capacity transmission of symbol values from an infinite set. , 2013, , .		8
165	Performance of Cognitive Hybrid Automatic Repeat reQuest: Stop-and-Wait. , 2015, , .		8
166	Throughput and Delay Analysis of Cognitive Go-Back-N Hybrid Automatic Repeat reQuest Using Discrete-Time Markov Modelling. IEEE Access, 2016, 4, 9659-9680.	2.6	8
167	Implementation of a Fully-Parallel Turbo Decoder on a General-Purpose Graphics Processing Unit. IEEE Access, 2016, 4, 5624-5639.	2.6	8
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