H Vincent Poor

List of Publications by Year
in descending order

1,680	79,037	588	1139
papers	citations	125	230
		h-index	g-index

1684	1684	1684	28212
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Channel Coding Rate in the Finite Blocklength Regime. IEEE Transactions on Information Theory, 2010, 56, 2307-2359.	2.4	2,397
2	An Introduction to Signal Detection and Estimation. Springer Texts in Electrical Engineering, 1994, , .	0.6	2,020
3	On the Performance of Non-Orthogonal Multiple Access in 5G Systems with Randomly Deployed Users. IEEE Signal Processing Letters, 2014, 21, 1501-1505.	3.6	1,642
4	Application of Non-Orthogonal Multiple Access in LTE and 5G Networks. IEEE Communications Magazine, 2017, 55, 185-191.	6.1	1,484
5	Cooperative Non-Orthogonal Multiple Access in 5G Systems. IEEE Communications Letters, 2015, 19, 1462-1465.	4.1	1,232
6	Impact of User Pairing on 5G Nonorthogonal Multiple-Access Downlink Transmissions. IEEE Transactions on Vehicular Technology, 2016, 65, 6010-6023.	6.3	1,185
7	Spectrum Sensing for Cognitive Radio : State-of-the-Art and Recent Advances. IEEE Signal Processing Magazine, 2012, 29, 101-116.	5.6	906
8	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	4.3	858
9	Orthogonal Frequency Division Multiplexing With Index Modulation. IEEE Transactions on Signal Processing, 2013, 61, 5536-5549.	5.3	827
10	Cooperative Non-orthogonal Multiple Access With Simultaneous Wireless Information and Power Transfer. IEEE Journal on Selected Areas in Communications, 2016, 34, 938-953.	14.0	820
11	Secure Communication Over Fading Channels. IEEE Transactions on Information Theory, 2008, 54, 2470-2492.	2.4	800
12	Federated Learning With Differential Privacy: Algorithms and Performance Analysis. IEEE Transactions on Information Forensics and Security, 2020, 15, 3454-3469.	6.9	773
13	The Application of MIMO to Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2016, 15, 537-552.	9.2	710
14	Game-Theoretic Methods for the Smart Grid: An Overview of Microgrid Systems, Demand-Side Management, and Smart Grid Communications. IEEE Signal Processing Magazine, 2012, 29, 86-105.	5.6	698
15	A Joint Learning and Communications Framework for Federated Learning Over Wireless Networks. IEEE Transactions on Wireless Communications, 2021, 20, 269-283.	9.2	663
16	Optimal Multiband Joint Detection for Spectrum Sensing in Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2009, 57, 1128-1140.	5.3	616
17	Strategic Protection Against Data Injection Attacks on Power Grids. IEEE Transactions on Smart Grid, 2011, 2, 326-333.	9.0	591
18	Ultrareliable and Low-Latency Wireless Communication: Tail, Risk, and Scale. Proceedings of the IEEE, 2018, 106, 1834-1853.	21.3	590

#	Article	IF	Citations
19	A Survey of Energy-Efficient Techniques for 5G Networks and Challenges Ahead. IEEE Journal on Selected Areas in Communications, 2016, 34, 697-709.	14.0	588
20	Relay Selection for Cooperative NOMA. IEEE Wireless Communications Letters, 2016, 5, 416-419.	5.0	504
21	Power Allocation Strategies in Energy Harvesting Wireless Cooperative Networks. IEEE Transactions on Wireless Communications, 2014, 13, 846-860.	9.2	491
22	Peer-to-Peer Trading in Electricity Networks: An Overview. IEEE Transactions on Smart Grid, 2020, 11, 3185-3200.	9.0	464
23	A General MIMO Framework for NOMA Downlink and Uplink Transmission Based on Signal Alignment. IEEE Transactions on Wireless Communications, 2016, 15, 4438-4454.	9.2	463
24	Information Theoretic Security. Foundations and Trends in Communications and Information Theory, 2007, 5, 355-580.	3.1	458
25	Fundamentals of Wireless Information and Power Transfer: From RF Energy Harvester Models to Signal and System Designs. IEEE Journal on Selected Areas in Communications, 2019, 37, 4-33.	14.0	452
26	Machine Learning Methods for Attack Detection in the Smart Grid. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1773-1786.	11.3	447
27	Scheduling Policies for Federated Learning in Wireless Networks. IEEE Transactions on Communications, 2020, 68, 317-333.	7.8	386
28	Application of smart antenna technologies in simultaneous wireless information and power transfer. , 2015, 53, 86-93.		380
29	Economics of Electric Vehicle Charging: A Game Theoretic Approach. IEEE Transactions on Smart Grid, 2012, 3, 1767-1778.	9.0	369
30	A Game-Theoretic Approach to Energy Trading in the Smart Grid. IEEE Transactions on Smart Grid, 2014, 5, 1439-1450.	9.0	369
31	6G Internet of Things: A Comprehensive Survey. IEEE Internet of Things Journal, 2022, 9, 359-383.	8.7	366
32	Federated Learning for Internet of Things: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 1622-1658.	39.4	365
33	Fronthaul-constrained cloud radio access networks: insights and challenges. IEEE Wireless Communications, 2015, 22, 152-160.	9.0	351
34	Energy Efficient User Association and Power Allocation in Millimeter-Wave-Based Ultra Dense Networks With Energy Harvesting Base Stations. IEEE Journal on Selected Areas in Communications, 2017, 35, 1936-1947.	14.0	350
35	Space-Time Block Coded Spatial Modulation. IEEE Transactions on Communications, 2011, 59, 823-832.	7.8	336
36	Complex Elliptically Symmetric Distributions: Survey, New Results and Applications. IEEE Transactions on Signal Processing, 2012, 60, 5597-5625.	5.3	336

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37	Hybrid Beamforming for Reconfigurable Intelligent Surface based Multi-User Communications: Achievable Rates With Limited Discrete Phase Shifts. IEEE Journal on Selected Areas in Communications, 2020, 38, 1809-1822.	14.0	318
38	A Simple Design of IRS-NOMA Transmission. IEEE Communications Letters, 2020, 24, 1119-1123.	4.1	313
39	Transforming Energy Networks via Peer-to-Peer Energy Trading: The Potential of Game-Theoretic Approaches. IEEE Signal Processing Magazine, 2018, 35, 90-111.	5.6	310
40	Collaborative wideband sensing for cognitive radios. IEEE Signal Processing Magazine, 2008, 25, 60-73.	5.6	299
41	Cooperative Sensing With Imperfect Reporting Channels: Hard Decisions or Soft Decisions?. IEEE Transactions on Signal Processing, 2012, 60, 18-28.	5.3	291
42	Three-Party Energy Management With Distributed Energy Resources in Smart Grid. IEEE Transactions on Industrial Electronics, 2015, 62, 2487-2498.	7.9	291
43	Collaborative Cyclostationary Spectrum Sensing for Cognitive Radio Systems. IEEE Transactions on Signal Processing, 2009, 57, 4182-4195.	5.3	290
44	Non-Orthogonal Multiple Access in Multi-Cell Networks: Theory, Performance, and Practical Challenges. , 2017, 55, 176-183.		290
45	Scheduling Power Consumption With Price Uncertainty. IEEE Transactions on Smart Grid, 2011, 2, 519-527.	9.0	287
46	Ergodic Capacity Analysis of Remote Radio Head Associations in Cloud Radio Access Networks. IEEE Wireless Communications Letters, 2014, 3, 365-368.	5.0	282
47	MIMO Radar for Advanced Driver-Assistance Systems and Autonomous Driving: Advantages and Challenges. IEEE Signal Processing Magazine, 2020, 37, 98-117.	5.6	277
48	Wireless Information and Power Transfer in Cooperative Networks With Spatially Random Relays. IEEE Transactions on Wireless Communications, 2014, 13, 4440-4453.	9.2	276
49	Utility-Privacy Tradeoffs in Databases: An Information-Theoretic Approach. IEEE Transactions on Information Forensics and Security, 2013, 8, 838-852.	6.9	272
50	Capacity Comparison Between MIMO-NOMA and MIMO-OMA With Multiple Users in a Cluster. IEEE Journal on Selected Areas in Communications, 2017, 35, 2413-2424.	14.0	270
51	MIMO Radar Using Compressive Sampling. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 146-163.	10.8	269
52	Energy Storage Sharing in Smart Grid: A Modified Auction-Based Approach. IEEE Transactions on Smart Grid, 2016, 7, 1462-1475.	9.0	268
53	Dynamic Task Offloading and Resource Allocation for Ultra-Reliable Low-Latency Edge Computing. IEEE Transactions on Communications, 2019, 67, 4132-4150.	7.8	266
54	Random Beamforming in Millimeter-Wave NOMA Networks. IEEE Access, 2017, 5, 7667-7681.	4.2	265

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55	Peer-to-peer energy systems for connected communities: A review of recent advances and emerging challenges. Applied Energy, 2021, 282, 116131.	10.1	265
56	Cognitive Medium Access: Exploration, Exploitation, and Competition. IEEE Transactions on Mobile Computing, 2011, 10, 239-253.	5.8	257
57	Position Estimation via Ultra-Wide-Band Signals. Proceedings of the IEEE, 2009, 97, 386-403.	21.3	256
58	Multiple-Access Channels With Confidential Messages. IEEE Transactions on Information Theory, 2008, 54, 976-1002.	2.4	255
59	Optimal selection of channel sensing order in cognitive radio. IEEE Transactions on Wireless Communications, 2009, 8, 297-307.	9.2	255
60	A motivational game-theoretic approach for peer-to-peer energy trading in the smart grid. Applied Energy, 2019, 243, 10-20.	10.1	255
61	Federated Learning Meets Blockchain in Edge Computing: Opportunities and Challenges. IEEE Internet of Things Journal, 2021, 8, 12806-12825.	8.7	255
62	Autocorrelation-Based Decentralized Sequential Detection of OFDM Signals in Cognitive Radios. IEEE Transactions on Signal Processing, 2009, 57, 2690-2700.	5.3	253
63	Fully Distributed State Estimation for Wide-Area Monitoring Systems. IEEE Transactions on Smart Grid, 2012, 3, 1154-1169.	9.0	253
64	Auction-Based Resource Allocation for Cooperative Communications. IEEE Journal on Selected Areas in Communications, 2008, 26, 1226-1237.	14.0	244
65	Energy-Efficient Resource Allocation in Wireless Networks. IEEE Signal Processing Magazine, 2007, 24, 58-68.	5.6	242
66	Power Allocation Strategies for Target Localization in Distributed Multiple-Radar Architectures. IEEE Transactions on Signal Processing, 2011, 59, 3226-3240.	5.3	240
67	Recovering Multiplexing Loss through Successive Relaying Using Repetition Coding. IEEE Transactions on Wireless Communications, 2007, 6, 4484-4493.	9.2	228
68	On the Achievable Rate of OFDM With Index Modulation. IEEE Transactions on Signal Processing, 2016, 64, 1919-1932.	5.3	228
69	Compound Wiretap Channels. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	222
70	Secrecy Capacity Region of a Multiple-Antenna Gaussian Broadcast Channel With Confidential Messages. IEEE Transactions on Information Theory, 2009, 55, 1235-1249.	2.4	220
71	Wireless physical layer security. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 19-26.	7.1	218
72	The Multiway Relay Channel. IEEE Transactions on Information Theory, 2013, 59, 51-63.	2.4	214

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73	MIMO-NOMA Design for Small Packet Transmission in the Internet of Things. IEEE Access, 2016, 4, 1393-1405.	4.2	209
74	Joint Power and Time Allocation for NOMAâ€"MEC Offloading. IEEE Transactions on Vehicular Technology, 2019, 68, 6207-6211.	6.3	206
75	Distributed Learning in Wireless Networks: Recent Progress and Future Challenges. IEEE Journal on Selected Areas in Communications, 2021, 39, 3579-3605.	14.0	201
76	Physics-Based Modeling and Scalable Optimization of Large Intelligent Reflecting Surfaces. IEEE Transactions on Communications, 2021, 69, 2673-2691.	7.8	200
77	Non-Orthogonal Multiple Access: Common Myths and Critical Questions. IEEE Wireless Communications, 2019, 26, 174-180.	9.0	199
78	Coalitional Game Theory for Cooperative Micro-Grid Distribution Networks. , 2011, , .		197
79	Grid Influenced Peer-to-Peer Energy Trading. IEEE Transactions on Smart Grid, 2020, 11, 1407-1418.	9.0	191
80	STAR: Simultaneous Transmission and Reflection for 360Â° Coverage by Intelligent Surfaces. IEEE Wireless Communications, 2021, 28, 102-109.	9.0	190
81	Coordinated Data-Injection Attack and Detection in the Smart Grid: A Detailed Look at Enriching Detection Solutions. IEEE Signal Processing Magazine, 2012, 29, 106-115.	5.6	187
82	Energy-efficient resource allocation in wireless networks with quality-of-service constraints. IEEE Transactions on Communications, 2009, 57, 3406-3414.	7.8	183
83	A Tutorial on Ultrareliable and Low-Latency Communications in 6G: Integrating Domain Knowledge Into Deep Learning. Proceedings of the IEEE, 2021, 109, 204-246.	21.3	182
84	Robust cognitive beamforming with partial channel state information. IEEE Transactions on Wireless Communications, 2009, 8, 4143-4153.	9.2	181
85	Interference Assisted Secret Communication. IEEE Transactions on Information Theory, 2011, 57, 3153-3167.	2.4	181
86	A General Robust Linear Transceiver Design for Multi-Hop Amplify-and-Forward MIMO Relaying Systems. IEEE Transactions on Signal Processing, 2013, 61, 1196-1209.	5.3	181
87	Impact of Non-Orthogonal Multiple Access on the Offloading of Mobile Edge Computing. IEEE Transactions on Communications, 2019, 67, 375-390.	7.8	180
88	Prioritizing Consumers in Smart Grid: A Game Theoretic Approach. IEEE Transactions on Smart Grid, 2014, 5, 1429-1438.	9.0	179
89	On the Spectral Efficiency and Security Enhancements of NOMA Assisted Multicast-Unicast Streaming. IEEE Transactions on Communications, 2017, 65, 3151-3163.	7.8	179
90	Sensor Selection in Distributed Multiple-Radar Architectures for Localization: A Knapsack Problem Formulation. IEEE Transactions on Signal Processing, 2012, 60, 247-260.	5.3	175

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91	Reinforcement Learning-Based NOMA Power Allocation in the Presence of Smart Jamming. IEEE Transactions on Vehicular Technology, 2018, 67, 3377-3389.	6.3	175
92	Feedback in the Non-Asymptotic Regime. IEEE Transactions on Information Theory, 2011, 57, 4903-4925.	2.4	174
93	Ultra-Dense LEO: Integration of Satellite Access Networks into 5G and Beyond. IEEE Wireless Communications, 2019, 26, 62-69.	9.0	174
94	Spectrum Sensing in Cognitive Radios Based on Multiple Cyclic Frequencies. , 2007, , .		173
95	High-Reliability and Low-Latency Wireless Communication for Internet of Things: Challenges, Fundamentals, and Enabling Technologies. IEEE Internet of Things Journal, 2019, 6, 7946-7970.	8.7	170
96	A Learning-Based Approach to Caching in Heterogenous Small Cell Networks. IEEE Transactions on Communications, 2016, 64, 1674-1686.	7.8	166
97	Differential Spatial Modulation. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	164
98	Uplink Macro Diversity of Limited Backhaul Cellular Network. IEEE Transactions on Information Theory, 2009, 55, 3457-3478.	2.4	163
99	Rate-Splitting Unifying SDMA, OMA, NOMA, and Multicasting in MISO Broadcast Channel: A Simple Two-User Rate Analysis. IEEE Wireless Communications Letters, 2020, 9, 349-353.	5.0	163
100	Convergence Time Optimization for Federated Learning Over Wireless Networks. IEEE Transactions on Wireless Communications, 2021, 20, 2457-2471.	9.2	163
101	Low-Complexity MAP-Based Successive Data Detection for Coded OFDM Systems Over Highly Mobile Wireless Channels. IEEE Transactions on Vehicular Technology, 2011, 60, 2849-2857.	6.3	162
102	Self-Organization in Small Cell Networks: A Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2013, 12, 3202-3212.	9.2	162
103	Cluster Content Caching: An Energy-Efficient Approach to Improve Quality of Service in Cloud Radio Access Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 1207-1221.	14.0	162
104	Cost Minimization of Charging Stations With Photovoltaics: An Approach With EV Classification. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 156-169.	8.0	162
105	Multiple-Input Multiple-Output Gaussian Broadcast Channels With Confidential Messages. IEEE Transactions on Information Theory, 2010, 56, 4215-4227.	2.4	160
106	Design of Massive-MIMO-NOMA With Limited Feedback. IEEE Signal Processing Letters, 2016, 23, 629-633.	3.6	160
107	Buffering in a Three-Node Relay Network. IEEE Transactions on Wireless Communications, 2008, 7, 4492-4496.	9.2	157
108	Coordinated Beamforming for Multi-Cell MIMO-NOMA. IEEE Communications Letters, 2017, 21, 84-87.	4.1	155

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109	On unbounded path-loss models: effects of singularity on wireless network performance. IEEE Journal on Selected Areas in Communications, 2009, 27, 1078-1092.	14.0	154
110	Multicast Routing for Decentralized Control of Cyber Physical Systems with an Application in Smart Grid. IEEE Journal on Selected Areas in Communications, 2012, 30, 1097-1107.	14.0	154
111	Peer-to-Peer Energy Trading With Sustainable User Participation: A Game Theoretic Approach. IEEE Access, 2018, 6, 62932-62943.	4.2	154
112	UAV-Enabled Communication Using NOMA. IEEE Transactions on Communications, 2019, 67, 5126-5138.	7.8	151
113	Resource Allocation for Wireless Fading Relay Channels: Max-Min Solution. IEEE Transactions on Information Theory, 2007, 53, 3432-3453.	2.4	149
114	On Safeguarding Privacy and Security in the Framework of Federated Learning. IEEE Network, 2020, 34, 242-248.	6.9	147
115	Performance of Spatial Modulation in the Presence of Channel Estimation Errors. IEEE Communications Letters, 2012, 16, 176-179.	4.1	144
116	A Secure Mobile Crowdsensing Game With Deep Reinforcement Learning. IEEE Transactions on Information Forensics and Security, 2018, 13, 35-47.	6.9	144
117	Delay Minimization for NOMA-MEC Offloading. IEEE Signal Processing Letters, 2018, 25, 1875-1879.	3.6	144
118	Capacity of Cognitive Interference Channels With and Without Secrecy. IEEE Transactions on Information Theory, 2009, 55, 604-619.	2.4	143
119	On the Impact of Phase Shifting Designs on IRS-NOMA. IEEE Wireless Communications Letters, 2020, 9, 1596-1600.	5.0	143
120	Wideband Spectrum Sensing in Cognitive Radio Networks. , 2008, , .		142
121	Interference Alignment for Secrecy. IEEE Transactions on Information Theory, 2011, 57, 3323-3332.	2.4	142
122	Latency and Reliability-Aware Task Offloading and Resource Allocation for Mobile Edge Computing. , 2017, , .		142
123	Measurement Matrix Design for Compressive Sensingâ€"Based MIMO Radar. IEEE Transactions on Signal Processing, 2011, 59, 5338-5352.	5.3	141
124	Unveiling the Importance of SIC in NOMA Systemsâ€"Part 1: State of the Art and Recent Findings. IEEE Communications Letters, 2020, 24, 2373-2377.	4.1	138
125	Age-Minimal Transmission for Energy Harvesting Sensors With Finite Batteries: Online Policies. IEEE Transactions on Information Theory, 2020, 66, 534-556.	2.4	138
126	The multi-way relay channel. , 2009, , .		135

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127	Two-dimensional anti-jamming communication based on deep reinforcement learning. , 2017, , .		135
128	Context-Aware Small Cell Networks: How Social Metrics Improve Wireless Resource Allocation. IEEE Transactions on Wireless Communications, 2015, 14, 5927-5940.	9.2	134
129	On the Sum Rate of MIMO-NOMA and MIMO-OMA Systems. IEEE Wireless Communications Letters, 2017, 6, 534-537.	5.0	134
130	Non-Line-of-Sight Node Localization Based on Semi-Definite Programming in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2012, 11, 108-116.	9.2	133
131	Sparse Attack Construction and State Estimation in the Smart Grid: Centralized and Distributed Models. IEEE Journal on Selected Areas in Communications, 2013, 31, 1306-1318.	14.0	133
132	Quickest Detection in Cognitive Radio: A Sequential Change Detection Framework. , 2008, , .		132
133	6G for Vehicle-to-Everything (V2X) Communications: Enabling Technologies, Challenges, and Opportunities. Proceedings of the IEEE, 2022, 110, 712-734.	21.3	131
134	Increasing Smart Meter Privacy Through Energy Harvesting and Storage Devices. IEEE Journal on Selected Areas in Communications, 2013, 31, 1331-1341.	14.0	130
135	Coalition games with cooperative transmission: a cure for the curse of boundary nodes in selfish packet-forwarding wireless networks. IEEE Transactions on Communications, 2009, 57, 203-213.	7.8	127
136	Joint Channel Estimation, Equalization, and Data Detection for OFDM Systems in the Presence of Very High Mobility. IEEE Transactions on Signal Processing, 2010, 58, 4225-4238.	5.3	127
137	Mobile element assisted cooperative localization for wireless sensor networks with obstacles. IEEE Transactions on Wireless Communications, 2010, 9, 956-963.	9.2	124
138	Intelligent Reflecting Surface Assisted Anti-Jamming Communications: A Fast Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2021, 20, 1963-1974.	9.2	124
139	Local Base Station Cooperation Via Finite-Capacity Links for the Uplink of Linear Cellular Networks. IEEE Transactions on Information Theory, 2009, 55, 190-204.	2.4	122
140	Network Operation Strategies for Efficient Localization and Navigation. Proceedings of the IEEE, 2018, 106, 1224-1254.	21.3	122
141	Managing Price Uncertainty in Prosumer-Centric Energy Trading: A Prospect-Theoretic Stackelberg Game Approach. IEEE Transactions on Smart Grid, 2019, 10, 702-713.	9.0	122
142	Hierarchical Incentive Mechanism Design for Federated Machine Learning in Mobile Networks. IEEE Internet of Things Journal, 2020, 7, 9575-9588.	8.7	121
143	Communication-efficient federated learning. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	120
144	RIS Enhanced Massive Non-Orthogonal Multiple Access Networks: Deployment and Passive Beamforming Design. IEEE Journal on Selected Areas in Communications, 2021, 39, 1057-1071.	14.0	120

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145	The Wiretap Channel With Feedback: Encryption Over the Channel. IEEE Transactions on Information Theory, 2008, 54, 5059-5067.	2.4	119
146	Smart meter privacy: A utility-privacy framework. , 2011, , .		118
147	Cooperative Energy Harvesting Networks With Spatially Random Users. IEEE Signal Processing Letters, 2013, 20, 1211-1214.	3.6	118
148	Power Splitting-Based SWIPT With Decode-and-Forward Full-Duplex Relaying. IEEE Transactions on Wireless Communications, 2016, 15, 7561-7577.	9.2	117
149	Secure Short-Packet Communications for Mission-Critical IoT Applications. IEEE Transactions on Wireless Communications, 2019, 18, 2565-2578.	9.2	117
150	On the Synergistic Benefits of Alternating CSIT for the MISO Broadcast Channel. IEEE Transactions on Information Theory, 2013, 59, 4106-4128.	2.4	115
151	Downlink and Uplink Intelligent Reflecting Surface Aided Networks: NOMA and OMA. IEEE Transactions on Wireless Communications, 2021, 20, 3988-4000.	9.2	115
152	Reconfigurable Intelligent Surface Based RF Sensing: Design, Optimization, and Implementation. IEEE Journal on Selected Areas in Communications, 2020, 38, 2700-2716.	14.0	114
153	On the Throughput of Secure Hybrid-ARQ Protocols for Gaussian Block-Fading Channels. IEEE Transactions on Information Theory, 2009, 55, 1575-1591.	2.4	113
154	Cooperative Transmission for Relay Networks Based on Second-Order Statistics of Channel State Information. IEEE Transactions on Signal Processing, 2011, 59, 1280-1291.	5.3	113
155	On Gaussian MIMO BC-MAC Duality With Multiple Transmit Covariance Constraints. IEEE Transactions on Information Theory, 2012, 58, 2064-2078.	2.4	112
156	${{\cal Q} {\cal D}}$-Learning: A Collaborative Distributed Strategy for Multi-Agent Reinforcement Learning Through ${m Consensus} + {m Innovations}$. IEEE Transactions on Signal Processing, 2013, 61, 1848-1862.	5.3	112
157	Cost-Effective and Privacy-Preserving Energy Management for Smart Meters. IEEE Transactions on Smart Grid, 2015, 6, 486-495.	9.0	112
158	Energy Imbalance Management Using a Robust Pricing Scheme. IEEE Transactions on Smart Grid, 2013, 4, 896-904.	9.0	111
159	A college admissions game for uplink user association in wireless small cell networks. , 2014, , .		110
160	A Multiobjective Approach to Multimicrogrid System Design. IEEE Transactions on Smart Grid, 2015, 6, 2263-2272.	9.0	110
161	Energy-Efficient Joint User-RB Association and Power Allocation for Uplink Hybrid NOMA-OMA. IEEE Internet of Things Journal, 2019, 6, 5119-5131.	8.7	110
162	Fast-Convergent Federated Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 201-218.	14.0	109

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163	Spectrum Exploration and Exploitation for Cognitive Radio: Recent Advances. IEEE Signal Processing Magazine, 2015, 32, 123-140.	5.6	107
164	Energy-Efficient Wireless Communications With Distributed Reconfigurable Intelligent Surfaces. IEEE Transactions on Wireless Communications, 2022, 21, 665-679.	9.2	107
165	Information and inference in the wireless physical layer. IEEE Wireless Communications, 2012, 19, 40-47.	9.0	105
166	Fast Numerical Nonlinear Fourier Transforms. IEEE Transactions on Information Theory, 2015, 61, 6957-6974.	2.4	105
167	Internet of Things for Green Building Management: Disruptive Innovations Through Low-Cost Sensor Technology and Artificial Intelligence. IEEE Signal Processing Magazine, 2018, 35, 100-110.	5.6	105
168	Federated Learning for 6G: Applications, Challenges, and Opportunities. Engineering, 2022, 8, 33-41.	6.7	105
169	Price Discrimination for Energy Trading in Smart Grid: A Game Theoretic Approach. IEEE Transactions on Smart Grid, 2017, 8, 1790-1801.	9.0	104
170	A coalition formation game framework for peer-to-peer energy trading. Applied Energy, 2020, 261, 114436.	10.1	104
171	Age-Based Scheduling Policy for Federated Learning in Mobile Edge Networks. , 2020, , .		104
172	Model Predictive Control for Smart Grids With Multiple Electric-Vehicle Charging Stations. IEEE Transactions on Smart Grid, 2019, 10, 2127-2136.	9.0	103
173	An Efficient Specific Emitter Identification Method Based on Complex-Valued Neural Networks and Network Compression. IEEE Journal on Selected Areas in Communications, 2021, 39, 2305-2317.	14.0	103
174	Energy-Efficient Resource Allocation Optimization for Multimedia Heterogeneous Cloud Radio Access Networks. IEEE Transactions on Multimedia, 2016, 18, 879-892.	7.2	102
175	Energy Efficient Dynamic Resource Optimization in NOMA System. IEEE Transactions on Wireless Communications, 2018, 17, 5671-5683.	9.2	102
176	Compound-Gaussian Clutter Modeling With an Inverse Gaussian Texture Distribution. IEEE Signal Processing Letters, 2012, 19, 876-879.	3.6	101
177	Wideband Spectrum Sensing With Sub-Nyquist Sampling in Cognitive Radios. IEEE Transactions on Signal Processing, 2012, 60, 6068-6073.	5.3	101
178	User-Centric View of Jamming Games in Cognitive Radio Networks. IEEE Transactions on Information Forensics and Security, 2015, 10, 2578-2590.	6.9	100
179	Energy-Efficient Power Allocation for MIMO-NOMA With Multiple Users in a Cluster. IEEE Access, 2018, 6, 5170-5181.	4.2	100
180	Multiobjective Optimization for Demand Side Management Program in Smart Grid. IEEE Transactions on Industrial Informatics, 2018, 14, 1482-1490.	11.3	100

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181	UVeQFed: Universal Vector Quantization for Federated Learning. IEEE Transactions on Signal Processing, 2021, 69, 500-514.	5.3	100
182	Cooperative Internet of UAVs: Distributed Trajectory Design by Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Communications, 2020, 68, 6807-6821.	7.8	99
183	A Collaborative Training Algorithm for Distributed Learning. IEEE Transactions on Information Theory, 2009, 55, 1856-1871.	2.4	98
184	Power Allocation for Artificial-Noise Secure MIMO Precoding Systems. IEEE Transactions on Signal Processing, 2014, 62, 3479-3493.	5.3	98
185	OTFS-NOMA: An Efficient Approach for Exploiting Heterogenous User Mobility Profiles. IEEE Transactions on Communications, 2019, 67, 7950-7965.	7.8	98
186	Prospect Theoretic Analysis of Energy Exchange Among Microgrids. IEEE Transactions on Smart Grid, 2015, 6, 63-72.	9.0	97
187	Spectral and Energy Efficiencies in Full-Duplex Wireless Information and Power Transfer. IEEE Transactions on Communications, 2017, 65, 2220-2233.	7.8	97
188	Optimal Power Allocation for Distributed Detection Over MIMO Channels in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2008, 56, 4124-4140.	5.3	96
189	Probabilistic Coherence and Proper Scoring Rules. IEEE Transactions on Information Theory, 2009, 55, 4786-4792.	2.4	96
190	Joint Load Balancing and Interference Management for Small-Cell Heterogeneous Networks With Limited Backhaul Capacity. IEEE Transactions on Wireless Communications, 2017, 16, 872-884.	9.2	95
191	Intelligent Reflecting Surface Enhanced Multi-UAV NOMA Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 3051-3066.	14.0	95
192	Privacy–Security Trade-Offs in Biometric Security Systems–Part I: Single Use Case. IEEE Transactions on Information Forensics and Security, 2011, 6, 122-139.	6.9	94
193	Precoder Design for Signal Superposition in MIMO-NOMA Multicell Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2681-2695.	14.0	94
194	Mobile Crowdsensing Games in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 1535-1545.	6.3	94
195	Joint Source and Channel Coding. IEEE Signal Processing Magazine, 2010, , .	5.6	93
196	A Mobile Offloading Game Against Smart Attacks. IEEE Access, 2016, 4, 2281-2291.	4.2	93
197	Performance of selection relaying and cooperative diversity. IEEE Transactions on Wireless Communications, 2009, 8, 5790-5795.	9.2	92
198	Two-Dimensional Antijamming Mobile Communication Based on Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2018, 67, 9499-9512.	6.3	92

#	Article	IF	Citations
199	NOMA Assisted Wireless Caching: Strategies and Performance Analysis. IEEE Transactions on Communications, 2018, 66, 4854-4876.	7.8	92
200	Coalitional Games in Partition Form for Joint Spectrum Sensing and Access in Cognitive Radio Networks. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 195-209.	10.8	90
201	The Use of Spatially Random Base Stations in Cloud Radio Access Networks. IEEE Signal Processing Letters, 2013, 20, 1138-1141.	3.6	90
202	Repeated Auctions with Bayesian Nonparametric Learning for Spectrum Access in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2011, 10, 890-900.	9.2	89
203	Cloud/Edge Computing Service Management in Blockchain Networks: Multi-leader Multi-follower Game-based ADMM for Pricing. IEEE Transactions on Services Computing, 2019, , 1-1.	4.6	89
204	Energy Efficient Resource Management in SWIPT Enabled Heterogeneous Networks With NOMA. IEEE Transactions on Wireless Communications, 2020, 19, 835-845.	9.2	89
205	Secure wireless communications via cooperation. , 2008, , .		88
206	Wireless Communications for Collaborative Federated Learning. IEEE Communications Magazine, 2020, 58, 48-54.	6.1	88
207	An MMSE Approach to the Secrecy Capacity of the MIMO Gaussian Wiretap Channel. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	87
208	Multiuser MISO Interference Channels With Single-User Detection: Optimality of Beamforming and the Achievable Rate Region. IEEE Transactions on Information Theory, 2011, 57, 4255-4273.	2.4	87
209	Physical-Layer Secrecy for OFDM Transmissions Over Fading Channels. IEEE Transactions on Information Forensics and Security, 2012, 7, 1354-1367.	6.9	87
210	Convergence of Update Aware Device Scheduling for Federated Learning at the Wireless Edge. IEEE Transactions on Wireless Communications, 2021, 20, 3643-3658.	9.2	87
211	Simple Semi-Grant-Free Transmission Strategies Assisted by Non-Orthogonal Multiple Access. IEEE Transactions on Communications, 2019, 67, 4464-4478.	7.8	86
212	Cloud Storage Defense Against Advanced Persistent Threats: A Prospect Theoretic Study. IEEE Journal on Selected Areas in Communications, 2017, 35, 534-544.	14.0	85
213	New Trellis Code Design for Spatial Modulation. IEEE Transactions on Wireless Communications, 2011, 10, 2670-2680.	9.2	84
214	A Unified Framework for Key Agreement Over Wireless Fading Channels. IEEE Transactions on Information Forensics and Security, 2012, 7, 480-490.	6.9	84
215	Cooperation and Storage Tradeoffs in Power Grids With Renewable Energy Resources. IEEE Journal on Selected Areas in Communications, 2014, 32, 1386-1397.	14.0	84
216	On the Physical Layer Security of Backscatter Wireless Systems. IEEE Transactions on Wireless Communications, 2014, 13, 3442-3451.	9.2	84

#	Article	IF	Citations
217	Age of Information in Energy Harvesting Aided Massive Multiple Access Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 1441-1456.	14.0	84
218	Authentication Over Noisy Channels. IEEE Transactions on Information Theory, 2009, 55, 906-916.	2.4	82
219	Distributed Hybrid Power State Estimation Under PMU Sampling Phase Errors. IEEE Transactions on Signal Processing, 2014, 62, 4052-4063.	5.3	82
220	Wireless Information and Power Transfer inÂMultiway Massive MIMO Relay Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3837-3855.	9.2	82
221	Toward Self-Learning Edge Intelligence in 6G. IEEE Communications Magazine, 2020, 58, 34-40.	6.1	82
222	A noncooperative game for double auction-based energy trading between PHEVs and distribution grids. , 2011, , .		81
223	Wiretap Channels: Nonasymptotic Fundamental Limits. IEEE Transactions on Information Theory, 2019, 65, 4069-4093.	2.4	81
224	A Game-Theoretic Approach to Energy-Efficient Modulation in CDMA Networks with Delay QoS Constraints. IEEE Journal on Selected Areas in Communications, 2007, 25, 1069-1078.	14.0	80
225	Hypergraph-Based Wireless Distributed Storage Optimization for Cellular D2D Underlays. IEEE Journal on Selected Areas in Communications, 2016, 34, 2650-2666.	14.0	80
226	Load Shifting in the Smart Grid: To Participate or Not?. IEEE Transactions on Smart Grid, 2016, 7, 2604-2614.	9.0	80
227	Toward a Consumer-Centric Grid: A Behavioral Perspective. Proceedings of the IEEE, 2016, 104, 865-882.	21.3	79
228	Decode-and-Forward Relaying for Cooperative NOMA Systems With Direct Links. IEEE Transactions on Wireless Communications, 2018, 17, 8077-8093.	9.2	79
229	Energy-Efficient Power Allocation in Uplink mmWave Massive MIMO With NOMA. IEEE Transactions on Vehicular Technology, 2019, 68, 3000-3004.	6.3	79
230	Resource Management in Non-Orthogonal Multiple Access Networks for 5G and Beyond. IEEE Network, 2017, 31, 8-14.	6.9	78
231	Spatial Modulation-Aided Cooperative NOMA: Performance Analysis and Comparative Study. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 715-728.	10.8	78
232	Age of Information in a Cellular Internet of UAVs: Sensing and Communication Trade-Off Design. IEEE Transactions on Wireless Communications, 2020, 19, 6578-6592.	9.2	78
233	Dispersion of the Gilbert-Elliott Channel. IEEE Transactions on Information Theory, 2011, 57, 1829-1848.	2.4	77
234	Secure Nested Codes for Type II Wiretap Channels. , 2007, , .		76

#	Article	IF	Citations
235	From Technological Networks to Social Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 548-572.	14.0	76
236	A Reinforcement Learning and Blockchain-Based Trust Mechanism for Edge Networks. IEEE Transactions on Communications, 2020, 68, 5460-5470.	7.8	76
237	Smart Meter Privacy With Renewable Energy and an Energy Storage Device. IEEE Transactions on Information Forensics and Security, 2018, 13, 129-142.	6.9	76
238	Cognitive multiple access channels: optimal power allocation for weighted sum rate maximization. IEEE Transactions on Communications, 2009, 57, 2754-2762.	7.8	75
239	Eavesdropping and jamming in next-generation wireless networks: A game-theoretic approach. , 2011, , .		75
240	Security Enhancement of Cooperative Single Carrier Systems. IEEE Transactions on Information Forensics and Security, 2015, 10, 90-103.	6.9	75
241	Mining MOOC Clickstreams: Video-Watching Behavior vs. In-Video Quiz Performance. IEEE Transactions on Signal Processing, 2016, 64, 3677-3692.	5.3	75
242	Deep Learning for Wireless Communications: An Emerging Interdisciplinary Paradigm. IEEE Wireless Communications, 2020, 27, 133-139.	9.0	75
243	Enabling AI in Future Wireless Networks: A Data Life Cycle Perspective. IEEE Communications Surveys and Tutorials, 2021, 23, 553-595.	39.4	75
244	Reconfigurable Intelligent Surface Assisted Device-to-Device Communications. IEEE Transactions on Wireless Communications, 2021, 20, 2792-2804.	9.2	75
245	User-Level Privacy-Preserving Federated Learning: Analysis and Performance Optimization. IEEE Transactions on Mobile Computing, 2022, 21, 3388-3401.	5.8	75
246	Dispersion of Gaussian channels. , 2009, , .		74
247	Reinforcement Learning-Based Microgrid Energy Trading With a Reduced Power Plant Schedule. IEEE Internet of Things Journal, 2019, 6, 10728-10737.	8.7	74
248	One Shot Schemes for Decentralized Quickest Change Detection. IEEE Transactions on Information Theory, 2009, 55, 3346-3359.	2.4	73
249	Quickest Search Over Multiple Sequences. IEEE Transactions on Information Theory, 2011, 57, 5375-5386.	2.4	72
250	Contract-Based Interference Coordination in Heterogeneous Cloud Radio Access Networks. IEEE Journal on Selected Areas in Communications, 2015, 33, 1140-1153.	14.0	72
251	Beamforming Design for Wireless Information and Power Transfer Systems: Receive Power-Splitting Versus Transmit Time-Switching. IEEE Transactions on Communications, 2017, 65, 876-889.	7.8	72
252	Privacy-Aware Smart Metering: Progress and Challenges. IEEE Signal Processing Magazine, 2018, 35, 59-78.	5.6	72

#	Article	IF	Citations
253	A Cross-Layer Approach to Collaborative Beamforming for Wireless Ad Hoc Networks. IEEE Transactions on Signal Processing, 2008, 56, 2981-2993.	5.3	71
254	Base Station Location Optimization for Minimal Energy Consumption in Wireless Networks. , 2011, , .		71
255	Intelligent Omni-Surfaces: Ubiquitous Wireless Transmission by Reflective-Refractive Metasurfaces. IEEE Transactions on Wireless Communications, 2022, 21, 219-233.	9.2	71
256	Cooperative Beamforming and User Selection for Improving the Security of Relay-Aided Systems. IEEE Transactions on Communications, 2015, 63, 5039-5051.	7.8	70
257	5G-Enabled UAV-to-Community Offloading: Joint Trajectory Design and Task Scheduling. IEEE Journal on Selected Areas in Communications, 2021, 39, 3306-3320.	14.0	70
258	Reconfigurable Intelligent Surfaces in 6G: Reflective, Transmissive, or Both?. IEEE Communications Letters, 2021, 25, 2063-2067.	4.1	70
259	Asymmetrical Round Trip Based Synchronization-Free Localization in Large-Scale Underwater Sensor Networks. IEEE Transactions on Wireless Communications, 2010, 9, 3532-3542.	9.2	68
260	CSSF MIMO RADAR: Compressive-Sensing and Step-Frequency Based MIMO Radar. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1490-1504.	4.7	68
261	Risk-Aware Day-Ahead Scheduling and Real-time Dispatch for Electric Vehicle Charging. IEEE Transactions on Smart Grid, 2014, 5, 693-702.	9.0	68
262	A New Evaluation Criterion for Non-Orthogonal Multiple Access in 5G Software Defined Networks. IEEE Access, 2015, 3, 1633-1639.	4.2	68
263	Secrecy Rate Beamforming for Multicell Networks With Information and Energy Harvesting. IEEE Transactions on Signal Processing, 2017, 65, 677-689.	5.3	68
264	An MMSE approach to the secrecy capacity of the MIMO Gaussian wiretap channel. , 2009, , .		67
265	Towards utilityâ€optimal random access without message passing. Wireless Communications and Mobile Computing, 2010, 10, 115-128.	1.2	67
266	Stochastic Games for the Smart Grid Energy Management With Prospect Prosumers. IEEE Transactions on Automatic Control, 2018, 63, 2327-2342.	5.7	67
267	Attacker-Centric View of a Detection Game against Advanced Persistent Threats. IEEE Transactions on Mobile Computing, 2018, 17, 2512-2523.	5.8	67
268	Intelligent Omni-Surfaces for Full-Dimensional Wireless Communications: Principles, Technology, and Implementation. IEEE Communications Magazine, 2022, 60, 39-45.	6.1	67
269	Source and Channel Coding for Correlated Sources Over Multiuser Channels. IEEE Transactions on Information Theory, 2009, 55, 3927-3944.	2.4	66
270	Optimal Cellular Offloading via Device-to-Device Communication Networks With Fairness Constraints. IEEE Transactions on Wireless Communications, 2014, 13, 4628-4643.	9.2	66

#	Article	IF	Citations
271	NOMA Meets Finite Resolution Analog Beamforming in Massive MIMO and Millimeter-Wave Networks. IEEE Communications Letters, 2017, 21, 1879-1882.	4.1	66
272	Reinforcement Learning for a Cellular Internet of UAVs: Protocol Design, Trajectory Control, and Resource Management. IEEE Wireless Communications, 2020, 27, 116-123.	9.0	66
273	MIMO two-way relay channel: Diversity-multiplexing tradeoff analysis. , 2008, , .		65
274	DC Arc-Fault Detection Based on Empirical Mode Decomposition of Arc Signatures and Support Vector Machine. IEEE Sensors Journal, 2021, 21, 7024-7033.	4.7	65
275	Backscatter-Assisted Data Offloading in OFDMA-Based Wireless-Powered Mobile Edge Computing for IoT Networks. IEEE Internet of Things Journal, 2021, 8, 9233-9243.	8.7	65
276	A Vector Generalization of Costa's Entropy-Power Inequality With Applications. IEEE Transactions on Information Theory, 2010, 56, 1865-1879.	2.4	64
277	Competitive privacy in the smart grid: An information-theoretic approach. , 2011, , .		64
278	MIMO Energy Harvesting in Full-Duplex Multi-User Networks. IEEE Transactions on Wireless Communications, 2017, 16, 3282-3297.	9.2	64
279	Securing Downlink Massive MIMO-NOMA Networks With Artificial Noise. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 685-699.	10.8	64
280	NOMA for Next-Generation Massive IoT: Performance Potential and Technology Directions. IEEE Communications Magazine, 2021, 59, 115-121.	6.1	64
281	Capacity Regions and Sum-Rate Capacities of Vector Gaussian Interference Channels. IEEE Transactions on Information Theory, 2010, 56, 5030-5044.	2.4	63
282	Use of SSK Modulation in Two-Way Amplify-and-Forward Relaying. IEEE Transactions on Vehicular Technology, 2014, 63, 1498-1504.	6.3	63
283	Inter-Tier Interference Suppression in Heterogeneous Cloud Radio Access Networks. IEEE Access, 2015, 3, 2441-2455.	4.2	63
284	Reconfigurable Intelligent Surface Assisted MIMO Symbiotic Radio Networks. IEEE Transactions on Communications, 2021, 69, 4832-4846.	7.8	63
285	Cooperative jamming for wireless physical layer security. , 2009, , .		62
286	Fast Variational Sparse Bayesian Learning With Automatic Relevance Determination for Superimposed Signals. IEEE Transactions on Signal Processing, 2011, 59, 6257-6261.	5.3	62
287	Distributed Linear Parameter Estimation: Asymptotically Efficient Adaptive Strategies. SIAM Journal on Control and Optimization, 2013, 51, 2200-2229.	2.1	62
288	Sustainability Analysis and Resource Management for Wireless Mesh Networks with Renewable Energy Supplies. IEEE Journal on Selected Areas in Communications, 2014, 32, 345-355.	14.0	62

#	Article	IF	Citations
289	Amplify-and-forward based cooperation for secure wireless communications. , 2009, , .		61
290	On the Resilience of Wireless Multiuser Networks to Passive and Active Eavesdroppers. IEEE Journal on Selected Areas in Communications, 2013, 31, 1850-1863.	14.0	61
291	Power Allocation for Energy Efficiency and Secrecy of Wireless Interference Networks. IEEE Transactions on Wireless Communications, 2018, 17, 3737-3751.	9.2	61
292	A tensor-based framework for studying eigenvector multicentrality in multilayer networks. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15407-15413.	7.1	61
293	Performance Optimization of Federated Learning over Wireless Networks. , 2019, , .		61
294	Distributed Multi-Agent Meta Learning for Trajectory Design in Wireless Drone Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 3177-3192.	14.0	61
295	On the Coexistence Between Full-Duplex and NOMA. IEEE Wireless Communications Letters, 2018, 7, 692-695.	5.0	60
296	Community-Structured Evolutionary Game for Privacy Protection in Social Networks. IEEE Transactions on Information Forensics and Security, 2018, 13, 574-589.	6.9	60
297	Reinforcement Learning-Based Downlink Interference Control for Ultra-Dense Small Cells. IEEE Transactions on Wireless Communications, 2020, 19, 423-434.	9.2	60
298	Intelligent User Association for Symbiotic Radio Networks Using Deep Reinforcement Learning. IEEE Transactions on Wireless Communications, 2020, 19, 4535-4548.	9.2	60
299	Blockchain Assisted Decentralized Federated Learning (BLADE-FL): Performance Analysis and Resource Allocation. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2401-2415.	5.6	60
300	Multi-hop MIMO relay networks: diversity-multiplexing trade-off analysis. IEEE Transactions on Wireless Communications, 2010, 9, 1738-1747.	9.2	59
301	Noise Enhanced Hypothesis-Testing in the Restricted Bayesian Framework. IEEE Transactions on Signal Processing, 2010, 58, 3972-3989.	5.3	59
302	Social learning and bayesian games in multiagent signal processing: how do local and global decision makers interact?. IEEE Signal Processing Magazine, 2013, 30, 43-57.	5.6	59
303	New Results on Multiple-Input Multiple-Output Broadcast Channels With Confidential Messages. IEEE Transactions on Information Theory, 2013, 59, 1346-1359.	2.4	59
304	A Game Theoretic Analysis of Secret and Reliable Communication With Active and Passive Adversarial Modes. IEEE Transactions on Wireless Communications, 2016, 15, 2155-2163.	9.2	59
305	Multi-Hop Cooperative Caching in Social IoT Using Matching Theory. IEEE Transactions on Wireless Communications, 2018, 17, 2127-2145.	9.2	59
306	Distributed Compressed Estimation Based on Compressive Sensing. IEEE Signal Processing Letters, 2015, 22, 1311-1315.	3.6	58

#	Article	IF	Citations
307	ESTIMATING THE FRACTAL DIMENSION OF THE S&P 500 INDEX USING WAVELET ANALYSIS. International Journal of Theoretical and Applied Finance, 2004, 07, 615-643.	0.5	57
308	A General Analytical Approach for Opportunistic Cooperative Systems with Spatially Random Relays. IEEE Transactions on Wireless Communications, 2011, 10, 4122-4129.	9.2	57
309	A Stackelberg Game Approach to Proactive Caching in Large-Scale Mobile Edge Networks. IEEE Transactions on Wireless Communications, 2018, 17, 5198-5211.	9.2	57
310	What network motifs tell us about resilience and reliability of complex networks. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19368-19373.	7.1	57
311	Federated Learning with Quantization Constraints. , 2020, , .		57
312	Rate Splitting for Uplink NOMA With Enhanced Fairness and Outage Performance. IEEE Transactions on Wireless Communications, 2020, 19, 4657-4670.	9.2	57
313	Resource Allocation and Beamforming Design in the Short Blocklength Regime for URLLC. IEEE Transactions on Wireless Communications, 2021, 20, 1321-1335.	9.2	57
314	Decentralized Beamforming Design for Intelligent Reflecting Surface-Enhanced Cell-Free Networks. IEEE Wireless Communications Letters, 2021, 10, 673-677.	5.0	57
315	Joint Receiver and Transmitter Optimization for Energy-Efficient CDMA Communications. IEEE Journal on Selected Areas in Communications, 2008, 26, 459-472.	14.0	56
316	Energy Efficient Communications in CDMA Networks: A Game Theoretic Analysis Considering Operating Costs. IEEE Transactions on Signal Processing, 2008, 56, 5181-5190.	5.3	56
317	Compound Multiple-Access Channels With Partial Cooperation. IEEE Transactions on Information Theory, 2009, 55, 2425-2441.	2.4	56
318	Accurate positioning in ultra-wideband systems. IEEE Wireless Communications, 2011, 18, 19-27.	9.0	56
319	Training Design and Channel Estimation in Uplink Cloud Radio Access Networks. IEEE Signal Processing Letters, 2015, 22, 1060-1064.	3.6	56
320	Electricity Theft Detection and Localization in Grid-tied Microgrids. IEEE Transactions on Smart Grid, 2016, , 1-1.	9.0	56
321	Authenticating Users Through Fine-Grained Channel Information. IEEE Transactions on Mobile Computing, 2018, 17, 251-264.	5.8	56
322	Experienced Deep Reinforcement Learning With Generative Adversarial Networks (GANs) for Model-Free Ultra Reliable Low Latency Communication. IEEE Transactions on Communications, 2021, 69, 884-899.	7.8	56
323	An Overview of Information-Theoretic Security and Privacy: Metrics, Limits and Applications. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 5-22.	2.5	56
324	Vulnerability Assessment of 6G-Enabled Smart Grid Cyberâ€"Physical Systems. IEEE Internet of Things Journal, 2021, 8, 5468-5475.	8.7	56

#	Article	IF	Citations
325	Private 5G Networks: Concepts, Architectures, and Research Landscape. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 7-25.	10.8	56
326	Distributed joint cyber attack detection and state recovery in smart grids. , 2011, , .		55
327	Outlying Sequence Detection in Large Data Sets: A data-driven approach. IEEE Signal Processing Magazine, 2014, 31, 44-56.	5.6	55
328	A Split-Reduced Successive Cancellation List Decoder for Polar Codes. IEEE Journal on Selected Areas in Communications, 2016, 34, 292-302.	14.0	55
329	Optimizing Information Freshness in Wireless Networks: A Stochastic Geometry Approach. IEEE Transactions on Mobile Computing, 2021, 20, 2269-2280.	5.8	55
330	A State-of-the-Art Survey on Reconfigurable Intelligent Surface-Assisted Non-Orthogonal Multiple Access Networks. Proceedings of the IEEE, 2022, 110, 1358-1379.	21.3	55
331	Aggregating Probabilistic Forecasts from Incoherent and Abstaining Experts. Decision Analysis, 2008, 5, 177-189.	2.1	54
332	A Tutorial on Interactive Sensing in Social Networks. IEEE Transactions on Computational Social Systems, 2014, 1, 3-21.	4.4	54
333	Cooperation Techniques for a Cellular Internet of Unmanned Aerial Vehicles. IEEE Wireless Communications, 2019, 26, 167-173.	9.0	54
334	A Machine Learning Approach for Task and Resource Allocation in Mobile-Edge Computing-Based Networks. IEEE Internet of Things Journal, 2021, 8, 1358-1372.	8.7	54
335	New Viewpoint and Algorithms for Water-Filling Solutions in Wireless Communications. IEEE Transactions on Signal Processing, 2020, 68, 1618-1634.	5.3	53
336	Dynamic UAV Deployment for Differentiated Services: A Multi-Agent Imitation Learning Based Approach. IEEE Transactions on Mobile Computing, 2023, 22, 2131-2146.	5.8	53
337	Multiagent Reinforcement Learning Based Spectrum Sensing Policies for Cognitive Radio Networks. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 858-868.	10.8	52
338	Resilience of Energy Infrastructure and Services: Modeling, Data Analytics, and Metrics. Proceedings of the IEEE, 2017, 105, 1354-1366.	21.3	52
339	Secret communication with feedback. , 2008, , .		51
340	A Low-Complexity Near-ML Differential Spatial Modulation Detector. IEEE Signal Processing Letters, 2015, 22, 1834-1838.	3.6	51
341	Finite Blocklength Information Theory: What Is the Practical Impact on Wireless Communications?. , 2016, , .		51
342	Content Pushing With Request Delay Information. IEEE Transactions on Communications, 2017, 65, 1146-1161.	7.8	51

#	Article	IF	Citations
343	Cognitive Hierarchy Theory for Distributed Resource Allocation in the Internet of Things. IEEE Transactions on Wireless Communications, 2017, 16, 7687-7702.	9.2	51
344	Downlink Beamforming for Energy-Efficient Heterogeneous Networks With Massive MIMO and Small Cells. IEEE Transactions on Wireless Communications, 2018, 17, 3386-3400.	9.2	51
345	Infrastructure security games. European Journal of Operational Research, 2014, 239, 469-478.	5.7	50
346	Incorporating Attack-Type Uncertainty Into Network Protection. IEEE Transactions on Information Forensics and Security, 2014, 9, 1278-1287.	6.9	50
347	Probabilistic Tensor Canonical Polyadic Decomposition With Orthogonal Factors. IEEE Transactions on Signal Processing, 2017, 65, 663-676.	5.3	50
348	A sequential constraint relaxation algorithm for rank-one constrained problems. , 2017, , .		50
349	Diversity Enhancing Multiple-Mode OFDM With Index Modulation. IEEE Transactions on Communications, 2018, 66, 3653-3666.	7.8	50
350	The effects of evolutionary adaptations on spreading processes in complex networks. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5664-5670.	7.1	50
351	Delay-Phase Precoding for Wideband THz Massive MIMO. IEEE Transactions on Wireless Communications, 2022, 21, 7271-7286.	9.2	50
352	Context-Aware Security for 6G Wireless: The Role of Physical Layer Security. IEEE Communications Standards Magazine, 2022, 6, 102-108.	4.9	50
353	Weighted Cross-Layer Cooperative Beamforming for Wireless Networks. IEEE Transactions on Signal Processing, 2009, 57, 3240-3252.	5.3	49
354	Relaying technologies for smart grid communications. IEEE Wireless Communications, 2012, 19, 52-59.	9.0	49
355	Secure Communication Under Channel Uncertainty and Adversarial Attacks. Proceedings of the IEEE, 2015, 103, 1796-1813.	21.3	49
356	Training Design for Channel Estimation in Uplink Cloud Radio Access Networks. IEEE Transactions on Signal Processing, 2016, 64, 3324-3337.	5.3	49
357	Optimal Throughput Fairness Tradeoffs for Downlink Non-Orthogonal Multiple Access Over Fading Channels. IEEE Transactions on Wireless Communications, 2018, 17, 3556-3571.	9.2	49
358	Spectral- and Energy-Efficient Resource Allocation for Multi-Carrier Uplink NOMA Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 9293-9296.	6.3	49
359	Power Allocation in Cache-Aided NOMA Systems: Optimization and Deep Reinforcement Learning Approaches. IEEE Transactions on Communications, 2020, 68, 630-644.	7.8	49
360	Joint Design of Reconfigurable Intelligent Surfaces and Transmit Beamforming Under Proper and Improper Gaussian Signaling. IEEE Journal on Selected Areas in Communications, 2020, 38, 2589-2603.	14.0	49

#	Article	IF	Citations
361	Generalized Multiple Access Channels with Confidential Messages. , 2006, , .		48
362	Joint Source and Channel Coding for MIMO Systems: Is it Better to be Robust or Quick?. IEEE Transactions on Information Theory, 2008, 54, 1393-1405.	2.4	48
363	Secrecy Rate Optimization for Secure Multicast Communications. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1417-1432.	10.8	48
364	The Likelihood Encoder for Lossy Compression. IEEE Transactions on Information Theory, 2016, 62, 1836-1849.	2.4	48
365	Joint Beamforming and Broadcasting in Massive MIMO. IEEE Transactions on Wireless Communications, 2016, 15, 3058-3070.	9.2	48
366	Federated Learning: A signal processing perspective. IEEE Signal Processing Magazine, 2022, 39, 14-41.	5.6	48
367	Performance Analysis of Differential Spatial Modulation with Two Transmit Antennas. IEEE Communications Letters, 2014, 18, 475-478.	4.1	47
368	Minimum Energy to Send k Bits Through the Gaussian Channel With and Without Feedback. IEEE Transactions on Information Theory, 2011, 57, 4880-4902.	2.4	46
369	Tree Formation with Physical Layer Security Considerations in Wireless Multi-Hop Networks. IEEE Transactions on Wireless Communications, 2012, 11, 3980-3991.	9.2	46
370	Data secrecy in distributed storage systems under exact repair. , 2013, , .		46
371	Identification of Outages in Power Systems With Uncertain States and Optimal Sensor Locations. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 1140-1153.	10.8	46
372	Finite-blocklength bounds for wiretap channels. , 2016, , .		46
373	Online Timely Status Updates with Erasures for Energy Harvesting Sensors. , 2018, , .		46
374	Convergence Time Minimization of Federated Learning over Wireless Networks. , 2020, , .		46
375	Wind Aggregation Via Risky Power Markets. IEEE Transactions on Power Systems, 2015, 30, 1571-1581.	6.5	45
376	Spectral and Energy Efficiency Trade-offs in Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 54-66.	9.2	45
377	Sparse Channel Estimation for OFDM-Based Underwater Acoustic Systems in Rician Fading With a New OMP-MAP Algorithm. IEEE Transactions on Signal Processing, 2019, 67, 1550-1565.	5.3	45
378	Hybrid NOMA Offloading in Multi-User MEC Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5377-5391.	9.2	45

#	Article	IF	Citations
379	RIS-Assisted UAV Communications for IoT With Wireless Power Transfer Using Deep Reinforcement Learning. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 1086-1096.	10.8	45
380	Multiple Access Channels with Generalized Feedback and Confidential Messages. , 2007, , .		44
381	Attribute-Distributed Learning: Models, Limits, and Algorithms. IEEE Transactions on Signal Processing, 2011, 59, 386-398.	5.3	44
382	New formulation and optimization methods for water sensor placement. Environmental Modelling and Software, 2016, 76, 128-136.	4.5	44
383	Secure Relaying in Non-Orthogonal Multiple Access: Trusted and Untrusted Scenarios. IEEE Transactions on Information Forensics and Security, 2020, 15, 210-222.	6.9	44
384	Blind topology identification for power systems. , 2013, , .		43
385	Age-Minimal Online Policies for Energy Harvesting Sensors with Incremental Battery Recharges. , 2018, , .		43
386	Multi-User Regularized Zero-Forcing Beamforming. IEEE Transactions on Signal Processing, 2019, 67, 2839-2853.	5.3	43
387	Robust Data Detection for MIMO Systems With One-Bit ADCs: A Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 1663-1676.	9.2	43
388	Unveiling the Importance of SIC in NOMA Systemsâ€"Part II: New Results and Future Directions. IEEE Communications Letters, 2020, 24, 2378-2382.	4.1	43
389	Update Aware Device Scheduling for Federated Learning at the Wireless Edge. , 2020, , .		43
390	Queue Back-Pressure Random Access in Multihop Wireless Networks: Optimality and Stability. IEEE Transactions on Information Theory, 2009, 55, 4087-4098.	2.4	42
391	Ergodic Fading Interference Channels: Sum-Capacity and Separability. IEEE Transactions on Information Theory, 2011, 57, 2605-2626.	2.4	42
392	Energy-Distortion Tradeoffs in Gaussian Joint Source-Channel Coding Problems. IEEE Transactions on Information Theory, 2012, 58, 3153-3168.	2.4	42
393	Secrecy Performance of Finite-Sized Cooperative Single Carrier Systems With Unreliable Backhaul Connections. IEEE Transactions on Signal Processing, 2016, 64, 4403-4416.	5.3	42
394	Non-Orthogonal Multiple Access With Improper Gaussian Signaling. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 496-507.	10.8	42
395	Load Forecasting Through Estimated Parametrized Based Fuzzy Inference System in Smart Grids. IEEE Transactions on Fuzzy Systems, 2021, 29, 156-165.	9.8	42
396	Blind Federated Edge Learning. IEEE Transactions on Wireless Communications, 2021, 20, 5129-5143.	9.2	42

#	Article	IF	Citations
397	Bi-Directional Beamforming and its Capacity Scaling in Pairwise Two-Way Communications. IEEE Transactions on Wireless Communications, 2012, 11, 346-357.	9.2	41
398	Toward efficient radio spectrum utilization: user cooperation in cognitive radio networking. IEEE Network, 2012, 26, 46-52.	6.9	41
399	Full Duplexity in Beamforming-Based Multi-Hop Relay Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 1554-1565.	14.0	41
400	Low-Latency Millimeter-Wave Communications: Traffic Dispersion or Network Densification?. IEEE Transactions on Communications, 2018, 66, 3526-3539.	7.8	41
401	Delay Minimization for NOMA-Assisted MEC Under Power and Energy Constraints. IEEE Wireless Communications Letters, 2019, 8, 1657-1661.	5.0	41
402	SDN-Enabled Energy-Efficient Routing Optimization Framework for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 5660-5667.	11.3	41
403	Minimizing the Age-of-Critical-Information: An Imitation Learning-Based Scheduling Approach Under Partial Observations. IEEE Transactions on Mobile Computing, 2022, 21, 3225-3238.	5.8	41
404	Opportunistic Relaying in Wireless Networks. IEEE Transactions on Information Theory, 2009, 55, 5121-5137.	2.4	40
405	An Effective Distributed Space-Time Code for Two-Path Successive Relay Network. IEEE Transactions on Communications, 2011, 59, 2254-2263.	7.8	40
406	Degrees of Freedom Region of the MIMO Interference Channel With Output Feedback and Delayed CSIT. IEEE Transactions on Information Theory, 2013, 59, 1444-1457.	2.4	40
407	Distributed Kalman Filtering Over Massive Data Sets: Analysis Through Large Deviations of Random Riccati Equations. IEEE Transactions on Information Theory, 2015, 61, 1351-1372.	2.4	40
408	On the Continuity of the Secrecy Capacity of Compound and Arbitrarily Varying Wiretap Channels. IEEE Transactions on Information Forensics and Security, 2015, 10, 2531-2546.	6.9	40
409	Security Games With Unknown Adversarial Strategies. IEEE Transactions on Cybernetics, 2016, 46, 2291-2299.	9.5	40
410	Multi-User SWIPT Cooperative Networks: Is the Maxâ€"Min Criterion Still Diversity-Optimal?. IEEE Transactions on Wireless Communications, 2016, 15, 553-567.	9.2	40
411	Mobile Data Trading: Behavioral Economics Analysis and Algorithm Design. IEEE Journal on Selected Areas in Communications, 2017, 35, 994-1005.	14.0	40
412	Outage Detection Using Load and Line Flow Measurements in Power Distribution Systems. IEEE Transactions on Power Systems, 2018, 33, 2053-2069.	6.5	40
413	On the Latency, Rate, and Reliability Tradeoff in Wireless Networked Control Systems for IIoT. IEEE Internet of Things Journal, 2021, 8, 723-733.	8.7	40
414	Energy Efficient Power Control in Impulse Radio UWB Wireless Networks. IEEE Journal on Selected Topics in Signal Processing, 2007, 1, 508-520.	10.8	39

#	Article	IF	Citations
415	Lossless compression with security constraints. , 2008, , .		39
416	Compressive sensing for MIMO radar. , 2009, , .		39
417	Optimal privacy-preserving energy management for smart meters. , 2014, , .		39
418	Opportunistic collaborative beamforming with one-bit feedback. IEEE Transactions on Wireless Communications, 2009, 8, 2629-2641.	9.2	38
419	Fundamental limits on time delay estimation in dispersed spectrum cognitive radio systems. IEEE Transactions on Wireless Communications, 2009, 8, 78-83.	9.2	38
420	Orthogonal frequency division multiplexing with index modulation. , 2012, , .		38
421	Cooperation of Storage Operation in a Power Network With Renewable Generation. IEEE Transactions on Smart Grid, 2016, 7, 2108-2122.	9.0	38
422	Data-Driven False Data Injection Attacks Against Power Grids: A Random Matrix Approach. IEEE Transactions on Smart Grid, 2021, 12, 635-646.	9.0	38
423	Cell-Free Massive MIMO in the Short Blocklength Regime for URLLC. IEEE Transactions on Wireless Communications, 2021, 20, 5861-5871.	9.2	38
424	Federated Learning for Task and Resource Allocation in Wireless High-Altitude Balloon Networks. IEEE Internet of Things Journal, 2021, 8, 17460-17475.	8.7	38
425	Secrecy capacity of a class of orthogonal relay eavesdropper channels. , 2009, , .		37
426	MIMO Gaussian broadcast channels with confidential and common messages. , 2010, , .		37
427	Nondata-Aided Joint Channel Estimation and Equalization for OFDM Systems in Very Rapidly Varying Mobile Channels. IEEE Transactions on Signal Processing, 2012, 60, 4236-4253.	5.3	37
428	Capacity and Security of Heterogeneous Distributed Storage Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 2701-2709.	14.0	37
429	Spatial Modulated Full Duplex. IEEE Wireless Communications Letters, 2014, 3, 641-644.	5.0	37
430	Sparse Channel Estimation and Equalization for OFDM-Based Underwater Cooperative Systems With Amplify-and-Forward Relaying. IEEE Transactions on Signal Processing, 2016, 64, 214-228.	5.3	37
431	Cooperative In-Home Power Line Communication: Analyses Based on a Measurement Campaign. IEEE Transactions on Communications, 2016, 64, 778-789.	7.8	37
432	Secure and Energy-Efficient Beamforming for Simultaneous Information and Energy Transfer. IEEE Transactions on Wireless Communications, 2017, 16, 7523-7537.	9.2	37

#	Article	IF	Citations
433	Beamforming Optimization for Physical Layer Security in MISO Wireless Networks. IEEE Transactions on Signal Processing, 2018, 66, 3710-3723.	5.3	37
434	An Optimal Auction Mechanism for Mobile Edge Caching. , 2018, , .		37
435	Load flow balancing and transient stability analysis in renewable integrated power grids. International Journal of Electrical Power and Energy Systems, 2019, 104, 744-771.	5.5	37
436	Physical Layer Security: Authentication, Integrity, and Confidentiality. , 2021, , 129-150.		37
437	UAV-to-Device Underlay Communications: Age of Information Minimization by Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Communications, 2021, 69, 4461-4475.	7.8	37
438	On the Performance of Selection Relaying. , 2008, , .		36
439	Aggregating Large Sets of Probabilistic Forecasts by Weighted Coherent Adjustment. Decision Analysis, 2011, 8, 128-144.	2.1	36
440	Outage Probability and Outage-Based Robust Beamforming for MIMO Interference Channels with Imperfect Channel State Information. IEEE Transactions on Wireless Communications, 2012, 11, 3561-3573.	9.2	36
441	Integrating energy storage into the smart grid: A prospect theoretic approach. , 2014, , .		36
442	User Pairing in Non-Orthogonal Multiple Access Downlink Transmissions. , 2015, , .		36
443	A Distributed Approach to Improving Spectral Efficiency in Uplink Device-to-Device-Enabled Cloud Radio Access Networks. IEEE Transactions on Communications, 2018, 66, 6511-6526.	7.8	36
444	A New QoS-Guarantee Strategy for NOMA Assisted Semi-Grant-Free Transmission. IEEE Transactions on Communications, 2021, 69, 7489-7503.	7.8	36
445	A Compressive Sensing Approach for Federated Learning Over Massive MIMO Communication Systems. IEEE Transactions on Wireless Communications, 2021, 20, 1990-2004.	9.2	36
446	On the Application of BAC-NOMA to 6G umMTC. IEEE Communications Letters, 2021, 25, 2678-2682.	4.1	36
447	Quick Search for Rare Events. IEEE Transactions on Information Theory, 2013, 59, 4462-4481.	2.4	35
448	Challenges and prospects for negawatt trading in light of recent technological developments. Nature Energy, 2020, 5, 834-841.	39.5	35
449	Federated Learning Over Wireless IoT Networks With Optimized Communication and Resources. IEEE Internet of Things Journal, 2022, 9, 16592-16605.	8.7	35
450	Threshold Based Relay Selection in Cooperative Wireless Networks. , 2008, , .		34

#	Article	IF	Citations
451	Opportunistic Cooperative Networking: To Relay or Not To Relay?. IEEE Journal on Selected Areas in Communications, 2012, 30, 307-314.	14.0	34
452	A Broadcast Approach for Fading Wiretap Channels. IEEE Transactions on Information Theory, 2014, 60, 842-858.	2.4	34
453	Clustered–orthogonal frequency division multiplexing for power line communication: when is it beneficial?. IET Communications, 2014, 8, 2336-2347.	2.2	34
454	Bridging the Social and Wireless Networking Divide: Information Dissemination in Integrated Cellular and Opportunistic Networks. IEEE Access, 2015, 3, 1809-1848.	4.2	34
455	Achieving Autonomous Compressive Spectrum Sensing for Cognitive Radios. IEEE Transactions on Vehicular Technology, 2016, 65, 1281-1291.	6.3	34
456	Mean Field Game Guided Deep Reinforcement Learning for Task Placement in Cooperative Multiaccess Edge Computing. IEEE Internet of Things Journal, 2020, 7, 9330-9340.	8.7	34
457	Federated Learning Over Energy Harvesting Wireless Networks. IEEE Internet of Things Journal, 2022, 9, 92-103.	8.7	34
458	Censoring for Collaborative Spectrum Sensing in Cognitive Radios. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	33
459	A robust ranging scheme for OFDMA-based networks. IEEE Transactions on Communications, 2009, 57, 2441-2452.	7.8	33
460	Superimposed Training-Based Channel Estimation and Data Detection for OFDM Amplify-and-Forward Cooperative Systems Under High Mobility. IEEE Transactions on Signal Processing, 2012, 60, 274-284.	5.3	33
461	NOMA: An Information-Theoretic Perspective. , 2019, , 167-193.		33
462	On Timely Channel Coding with Hybrid ARQ. , 2019, , .		33
463	Denial-of-Service Attacks on Communication Systems: Detectability and Jammer Knowledge. IEEE Transactions on Signal Processing, 2020, 68, 3754-3768.	5.3	33
464	A Multi-Leader Multi-Follower Game-Based Analysis for Incentive Mechanisms in Socially-Aware Mobile Crowdsensing. IEEE Transactions on Wireless Communications, 2021, 20, 1457-1471.	9.2	33
465	A Novel Framework for the Analysis and Design of Heterogeneous Federated Learning. IEEE Transactions on Signal Processing, 2021, 69, 5234-5249.	5.3	33
466	Toward Ubiquitous Sensing and Localization With Reconfigurable Intelligent Surfaces. Proceedings of the IEEE, 2022, 110, 1401-1422.	21.3	33
467	Secure Communications Over Wireless Broadcast Networks: Stability and Utility Maximization. IEEE Transactions on Information Forensics and Security, 2011, 6, 682-692.	6.9	32
468	Noisy-Interference Sum-Rate Capacity of Parallel Gaussian Interference Channels. IEEE Transactions on Information Theory, 2011, 57, 210-226.	2.4	32

#	Article	IF	Citations
469	Secrecy Throughput of MANETs Under Passive and Active Attacks. IEEE Transactions on Information Theory, 2011, 57, 6692-6702.	2.4	32
470	Robust ellipse and spheroid fitting. Pattern Recognition Letters, 2012, 33, 492-499.	4.2	32
471	QoS-Constrained Relay Control for Full-Duplex Relaying With SWIPT. IEEE Transactions on Wireless Communications, 2017, 16, 2936-2949.	9.2	32
472	Caching With Time-Varying Popularity Profiles: A Learning-Theoretic Perspective. IEEE Transactions on Communications, 2018, 66, 3837-3847.	7.8	32
473	Machine Intelligence at the Edge With Learning Centric Power Allocation. IEEE Transactions on Wireless Communications, 2020, 19, 7293-7308.	9.2	32
474	AI-Assisted MAC for Reconfigurable Intelligent-Surface-Aided Wireless Networks: Challenges and Opportunities. IEEE Communications Magazine, 2021, 59, 21-27.	6.1	32
475	Moving-Target Defense Against Cyber-Physical Attacks in Power Grids via Game Theory. IEEE Transactions on Smart Grid, 2021, 12, 5244-5257.	9.0	32
476	A Novel Wireless Communication Paradigm for Intelligent Reflecting Surface Based Symbiotic Radio Systems. IEEE Transactions on Signal Processing, 2022, 70, 550-565.	5.3	32
477	STAR-RISs: A Correlated T&R Phase-Shift Model and Practical Phase-Shift Configuration Strategies. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 1097-1111.	10.8	32
478	Self-adaptive Bat Algorithm With Genetic Operations. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1284-1294.	13.1	32
479	Adaptive joint multiuser detection and channel estimation in multipath fading CDMA channels. Wireless Networks, 1998, 4, 453-470.	3.0	31
480	Game theory in signal processing and communications [From the Guest Editors]. IEEE Signal Processing Magazine, 2009, 26, 17-132.	5.6	31
481	Pilot-Aided IQ Imbalance Compensation for OFDM Systems Operating Over Doubly Selective Channels. IEEE Transactions on Signal Processing, 2011, 59, 2223-2233.	5.3	31
482	Outage Probability of Single-Carrier Cooperative Spectrum Sharing Systems with Decode-and-Forward Relaying and Selection Combining. IEEE Transactions on Wireless Communications, 2013, 12, 806-817.	9.2	31
483	Prospect theoretic analysis of anti-jamming communications in cognitive radio networks. , 2014, , .		31
484	Worst-Case Jamming on MIMO Gaussian Channels. IEEE Transactions on Signal Processing, 2015, 63, 5821-5836.	5.3	31
485	Mean-Field Games for Distributed Caching in Ultra-Dense Small Cell Networks. , 2016, , .		31
486	Timely Cloud Computing: Preemption and Waiting. , 2019, , .		31

#	Article	IF	Citations
487	Power Minimization for Multi-Cell Uplink NOMA With Imperfect SIC. IEEE Wireless Communications Letters, 2020, 9, 2030-2034.	5.0	31
488	On Performance Comparison of Multi-Antenna HD-NOMA, SCMA, and PD-NOMA Schemes. IEEE Wireless Communications Letters, 2021, 10, 715-719.	5.0	31
489	Cellular Systems with Full-Duplex Amplify-and-Forward Relaying and Cooperative Base-Stations. , 2007, , .		30
490	On Gaussian MIMO BC-MAC duality with multiple transmit covariance constraints. , 2009, , .		30
491	Energy Efficiency-Delay Tradeoffs in CDMA Networks: A Game-Theoretic Approach. IEEE Transactions on Information Theory, 2009, 55, 3220-3228.	2.4	30
492	Mixed Quality of Service in Cell-Free Massive MIMO. IEEE Communications Letters, 2018, 22, 1494-1497.	4.1	30
493	Analytical properties of generalized Gaussian distributions. Journal of Statistical Distributions and Applications, 2018, 5, .	1.2	30
494	Relay-Aided Secure Broadcasting for Visible Light Communications. IEEE Transactions on Communications, 2019, 67, 4227-4239.	7.8	30
495	Physical-Layer Security With Optical Generalized Space Shift Keying. IEEE Transactions on Communications, 2020, 68, 3042-3056.	7.8	30
496	Cyber-enabled grids: Shaping future energy systems. Advances in Applied Energy, 2021, 1, 100003.	13.2	30
497	No-Pain No-Gain: DRL Assisted Optimization in Energy-Constrained CR-NOMA Networks. IEEE Transactions on Communications, 2021, 69, 5917-5932.	7.8	30
498	Reconfigurable Holographic Surfaces for Future Wireless Communications. IEEE Wireless Communications, 2021, 28, 126-131.	9.0	30
499	On the secure degrees of freedom in the K-user Gaussian interference channel. , 2008, , .		29
500	Wiretap channel type II with an active eavesdropper. , 2009, , .		29
501	Physical layer security in wireless networks with passive and active eavesdroppers. , 2012, , .		29
502	Performance Analysis of Distributed Single Carrier Systems With Distributed Cyclic Delay Diversity. IEEE Transactions on Communications, 2017, 65, 5514-5528.	7.8	29
503	Approaches to Secure Inference in the Internet of Things: Performance Bounds, Algorithms, and Effective Attacks on IoT Sensor Networks. IEEE Signal Processing Magazine, 2018, 35, 50-63.	5.6	29
504	Opportunistic Spectrum Sharing Based on OFDM With Index Modulation. IEEE Transactions on Wireless Communications, 2020, 19, 192-204.	9.2	29

#	Article	IF	Citations
505	Statistical Delay and Error-Rate Bounded QoS Provisioning Over mmWave Cell-Free M-MIMO and FBC-HARQ-IR Based 6G Wireless Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 1661-1677.	14.0	29
506	Deep-Reinforcement-Learning-Based User Profile Perturbation for Privacy-Aware Recommendation. IEEE Internet of Things Journal, 2021, 8, 4560-4568.	8.7	29
507	Convergence of Federated Learning Over a Noisy Downlink. IEEE Transactions on Wireless Communications, 2022, 21, 1422-1437.	9.2	29
508	Indoor Localization Using Data Augmentation via Selective Generative Adversarial Networks. IEEE Access, 2021, 9, 98337-98347.	4.2	29
509	Reconfigurable Intelligent Surface Assisted Multi-User Communications: How Many Reflective Elements Do We Need?. IEEE Wireless Communications Letters, 2021, 10, 1098-1102.	5.0	29
510	Caching Transient Content for IoT Sensing: Multi-Agent Soft Actor-Critic. IEEE Transactions on Communications, 2021, 69, 5886-5901.	7.8	29
511	A Composite Approach to Self-Sustainable Transmissions: Rethinking OFDM. IEEE Transactions on Communications, 2014, 62, 3904-3917.	7.8	28
512	Cooperative non-orthogonal multiple access in 5G systems with SWIPT. , 2015, , .		28
513	Relay-Aided NOMA in Uplink Cellular Networks. IEEE Signal Processing Letters, 2017, 24, 1842-1846.	3.6	28
514	Using Erasure Feedback for Online Timely Updating with an Energy Harvesting Sensor. , 2019, , .		28
515	Learning to Decode Protograph LDPC Codes. IEEE Journal on Selected Areas in Communications, 2021, 39, 1983-1999.	14.0	28
516	Maximizing the Geometric Mean of User-Rates to Improve Rate-Fairness: Proper vs. Improper Gaussian Signaling. IEEE Transactions on Wireless Communications, 2022, 21, 295-309.	9.2	28
517	AI-Driven UAV-NOMA-MEC in Next Generation Wireless Networks. IEEE Wireless Communications, 2021, 28, 66-73.	9.0	28
518	Holographic Integrated Sensing and Communication. IEEE Journal on Selected Areas in Communications, 2022, 40, 2114-2130.	14.0	28
519	Simultaneously Transmitting and Reflecting Intelligent Omni-Surfaces: Modeling and Implementation. IEEE Vehicular Technology Magazine, 2022, 17, 46-54.	3.4	28
520	Performance Optimization for Semantic Communications: An Attention-Based Reinforcement Learning Approach. IEEE Journal on Selected Areas in Communications, 2022, 40, 2598-2613.	14.0	28
521	Opportunistic Scheduling and Beamforming for MIMO-SDMA Downlink Systems with Linear Combining. , 2007, , .		27
522	Two-Step Time of Arrival Estimation for Pulse-Based Ultra-Wideband Systems. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.7	27

#	Article	IF	Citations
523	Distributed MIMO radar using compressive sampling. , 2008, , .		27
524	Distributed Autocorrelation-Based Sequential Detection of OFDM Signals in Cognitive Radios. , 2008, , .		27
525	Redefinition of max-min fairness in multi-hop wireless networks. IEEE Transactions on Wireless Communications, 2008, 7, 4786-4791.	9.2	27
526	A Unified Approach to Power control in Large Energy-Constrained CDMS Systems. IEEE Transactions on Wireless Communications, 2008, 7, 1208-1216.	9.2	27
527	Radio Resource Management for Green Wireless Networks. , 2009, , .		27
528	Physical layer security in broadcast networks. Security and Communication Networks, 2009, 2, 227-238.	1.5	27
529	Transmitter Waveform and Widely Linear Receiver Design: Noncooperative Games for Wireless Multiple-Access Networks. IEEE Transactions on Information Theory, 2010, 56, 4874-4892.	2.4	27
530	Multiple Multicasts With the Help of a Relay. IEEE Transactions on Information Theory, 2010, 56, 6142-6158.	2.4	27
531	Distributed detection in noisy sensor networks. , 2011, , .		27
532	Minimum Sparsity of Unobservable Power Network Attacks. IEEE Transactions on Automatic Control, 2017, 62, 3354-3368.	5.7	27
533	Analyses of the Incomplete Low-Bit-Rate Hybrid PLC-Wireless Single-Relay Channel. IEEE Internet of Things Journal, 2018, 5, 917-929.	8.7	27
534	Line Failure Detection After a Cyber-Physical Attack on the Grid Using Bayesian Regression. IEEE Transactions on Power Systems, 2019, 34, 3758-3768.	6.5	27
535	A Multi-Dimensional Contract Approach for Data Rewarding in Mobile Networks. IEEE Transactions on Wireless Communications, 2020, 19, 5779-5793.	9.2	27
536	Hybrid Beamforming for Multi-User Millimeter-Wave Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 2943-2956.	6.3	27
537	Delay Minimization for Massive MIMO Assisted Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 6788-6792.	6.3	27
538	Power Efficiency, Overhead, and Complexity Tradeoff of IRS Codebook Designâ€"Quadratic Phase-Shift Profile. IEEE Communications Letters, 2021, 25, 2048-2052.	4.1	27
539	Matrix-Monotonic Optimization $-$ Part I: Single-Variable Optimization. IEEE Transactions on Signal Processing, 2021, 69, 738-754.	5.3	27
540	A Jamming Game With Rival-Type Uncertainty. IEEE Transactions on Wireless Communications, 2020, 19, 5359-5372.	9.2	27

#	Article	IF	Citations
541	Average Message Delivery Time for Small-World Networks in the Continuum Limit. IEEE Transactions on Information Theory, 2010, 56, 4447-4470.	2.4	26
542	Bi-Directional Use of Spatial Resources and Effects of Spatial Correlation. IEEE Transactions on Wireless Communications, 2011, 10, 3368-3379.	9.2	26
543	Reinforcement learning based distributed multiagent sensing policy for cognitive radio networks. , 2011, , .		26
544	A Cooperative Bayesian Nonparametric Framework for Primary User Activity Monitoring in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 1815-1822.	14.0	26
545	Exploiting Social Trust Assisted Reciprocity (STAR) Toward Utility-Optimal Socially-Aware Crowdsensing. IEEE Transactions on Signal and Information Processing Over Networks, 2015, 1, 195-208.	2.8	26
546	Learning Nonnegative Factors From Tensor Data: Probabilistic Modeling and Inference Algorithm. IEEE Transactions on Signal Processing, 2020, 68, 1792-1806.	5.3	26
547	Optimal Beamforming for Gaussian MIMO Wiretap Channels With Two Transmit Antennas. IEEE Transactions on Wireless Communications, 2017, 16, 6726-6735.	9.2	26
548	Next-Generation Multiple Access Based on NOMA With Power Level Modulation. IEEE Journal on Selected Areas in Communications, 2022, 40, 1072-1083.	14.0	26
549	Proximal Policy Optimization-Based Transmit Beamforming and Phase-Shift Design in an IRS-Aided ISAC System for the THz Band. IEEE Journal on Selected Areas in Communications, 2022, 40, 2056-2069.	14.0	26
550	Distributed opportunistic scheduling for ad hoc communications with imperfect channel information. IEEE Transactions on Wireless Communications, 2008, 7, 5450-5460.	9.2	25
551	Distributed MIMO in multi-cell wireless systems via finite-capacity links. , 2008, , .		25
552	Frame detection and timing acquisition for OFDM transmissions with unknown interference. IEEE Transactions on Wireless Communications, 2010, 9, 1226-1236.	9.2	25
553	Approaching the Optimal Diversity-Multiplexing Tradeoff in a Four-node Cooperative Network. IEEE Transactions on Wireless Communications, 2010, 9, 3690-3700.	9.2	25
554	Performance Analysis of Joint Opportunistic Scheduling and Receiver Design for MIMO-SDMA Downlink Systems. IEEE Transactions on Communications, 2011, 59, 268-280.	7.8	25
555	Robust Communication via Decentralized Processing With Unreliable Backhaul Links. IEEE Transactions on Information Theory, 2011, 57, 4187-4201.	2.4	25
556	Demand-side energy storage system management in smart grid. , 2012, , .		25
557	Noisy-Interference Sum-Rate Capacity for Vector Gaussian Interference Channels. IEEE Transactions on Information Theory, 2013, 59, 132-153.	2.4	25
558	On Energy-Secrecy Trade-Offs for Gaussian Wiretap Channels. IEEE Transactions on Information Forensics and Security, 2013, 8, 314-323.	6.9	25

#	Article	IF	Citations
559	Delay-Energy Tradeoff in Multicast Scheduling for Green Cellular Systems. IEEE Journal on Selected Areas in Communications, 2016, 34, 1235-1249.	14.0	25
560	Initial Synchronization Exploiting Inherent Diversity for the LTE Sector Search Process. IEEE Transactions on Wireless Communications, 2016, 15, 1114-1128.	9.2	25
561	Impact of Antenna Correlation on Full-Duplex Two-Way Massive MIMO Relaying Systems. IEEE Transactions on Wireless Communications, 2018, 17, 3572-3587.	9.2	25
562	Secure Broadcasting Using Independent Secret Keys. IEEE Transactions on Communications, 2018, 66, 644-661.	7.8	25
563	Data Center Demand Response With On-Site Renewable Generation: A Bargaining Approach. IEEE/ACM Transactions on Networking, 2018, 26, 2707-2720.	3.8	25
564	On the Algorithmic Computability of the Secret Key and Authentication Capacity Under Channel, Storage, and Privacy Leakage Constraints. IEEE Transactions on Signal Processing, 2019, 67, 4636-4648.	5.3	25
565	Joint D2D Assignment, Bandwidth and Power Allocation in Cognitive UAV-Enabled Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1084-1095.	7.9	25
566	Statistical Delay and Error-Rate Bounded QoS Provisioning for mURLLC Over 6G CF M-MIMO Mobile Networks in the Finite Blocklength Regime. IEEE Journal on Selected Areas in Communications, 2021, 39, 652-667.	14.0	25
567	Distributed model predictive control for joint coordination of demand response and optimal power flow with renewables in smart grid. Applied Energy, 2021, 290, 116701.	10.1	25
568	Secrecy Capacity Region of Fading Broadcast Channels. , 2007, , .		24
569	Finite-Dimensional Bounds on ${BBZ}_m$ and Binary LDPC Codes With Belief Propagation Decoders. IEEE Transactions on Information Theory, 2007, 53, 56-81.	2.4	24
570	High performance cooperative transmission protocols based on multiuser detection and network coding. IEEE Transactions on Wireless Communications, 2009, 8, 2352-2361.	9.2	24
571	Citizen Forecasts of the 2008 <scp>U</scp>.<scp>S</scp>. Presidential Election. Politics and Policy, 2012, 40, 1019-1052.	1.2	24
572	Distributed Constrained Recursive Nonlinear Least-Squares Estimation: Algorithms and Asymptotics. IEEE Transactions on Signal and Information Processing Over Networks, 2016, , 1-1.	2.8	24
573	Quickest Linear Search over Correlated Sequences. IEEE Transactions on Information Theory, 2016, 62, 5786-5808.	2.4	24
574	Performance Bounds for Finite Moving Average Tests in Transient Change Detection. IEEE Transactions on Signal Processing, 2018, 66, 1594-1606.	5.3	24
575	Big Data Driven Wireless Communications: A Human-in-the-Loop Pushing Technique for 5G Systems. IEEE Wireless Communications, 2018, 25, 64-69.	9.0	24
576	Embracing non-orthogonalmultiple access in future wireless networks. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 322-339.	2.6	24

#	Article	IF	Citations
577	Effective Secrecy Rate for a Downlink NOMA Network. IEEE Transactions on Wireless Communications, 2019, 18, 5673-5690.	9.2	24
578	A Learning-to-Infer Method for Real-Time Power Grid Multi-Line Outage Identification. IEEE Transactions on Smart Grid, 2020, 11, 555-564.	9.0	24
579	The Capacity Achieving Distribution for the Amplitude Constrained Additive Gaussian Channel: An Upper Bound on the Number of Mass Points. IEEE Transactions on Information Theory, 2020, 66, 2006-2022.	2.4	24
580	Topological clustering of multilayer networks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
581	Low-to-Zero-Overhead IRS Reconfiguration: Decoupling Illumination and Channel Estimation. IEEE Communications Letters, 2022, 26, 932-936.	4.1	24
582	Sequential multi-hypothesis testing for compound Poisson processes. Stochastics, 2008, 80, 19-50.	1.1	23
583	On the capacity of MIMO interference channels. , 2008, , .		23
584	Optimized concatenated LDPC codes for joint source-channel coding. , 2009, , .		23
585	BEP walls for cooperative sensing in cognitive radios using K-out-of-N fusion rules. Signal Processing, 2013, 93, 1900-1908.	3.7	23
586	Mobile data trading: A behavioral economics perspective. , 2015, , .		23
587	Upper and Lower Bounds on the Capacity of Amplitude-Constrained MIMO Channels. , 2017, , .		23
588	PMU Placement Optimization for Efficient State Estimation in Smart Grid. IEEE Journal on Selected Areas in Communications, 2020, 38, 71-83.	14.0	23
589	Secure UAV-Enabled Communication Using Han–Kobayashi Signaling. IEEE Transactions on Wireless Communications, 2020, 19, 2905-2919.	9.2	23
590	Physical Layer Security for Multi-User MIMO Visible Light Communication Systems With Generalized Space Shift Keying. IEEE Transactions on Communications, 2021, 69, 2585-2598.	7.8	23
591	A Rate-Distortion Framework for Characterizing Semantic Information. , 2021, , .		23
592	How Much Information Can One Get From a Wireless *Ad Hoc* Sensor Network Over a Correlated Random Field?. IEEE Transactions on Information Theory, 2009, 55, 2827-2847.	2.4	22
593	Low-complexity joint data detection and channel equalisation for highly mobile orthogonal frequency division multiplexing systems. IET Communications, 2010, 4, 1000.	2.2	22
594	Frequency-Domain Correlation: An Asymptotically Optimum Approximation of Quadratic Likelihood Ratio Detectors. IEEE Transactions on Signal Processing, 2010, 58, 969-979.	5.3	22

#	Article	IF	Citations
595	Secure Degrees of Freedom of Wireless X Networks Using Artificial Noise Alignment. IEEE Transactions on Communications, 2015, 63, 2632-2646.	7.8	22
596	Distributed estimation over sensor networks based on distributed conjugate gradient strategies. IET Signal Processing, 2016, 10, 291-301.	1.5	22
597	Maximum Distortion Attacks in Electricity Grids. IEEE Transactions on Smart Grid, 2016, 7, 2007-2015.	9.0	22
598	Compression-Based Compressed Sensing. IEEE Transactions on Information Theory, 2017, 63, 6735-6752.	2.4	22
599	Cooperative Wireless Powered Communication Networks With Interference Harvesting. IEEE Transactions on Vehicular Technology, 2018, 67, 3701-3705.	6.3	22
600	Is Self-Interference in Full-Duplex Communications a Foe or a Friend?. IEEE Signal Processing Letters, 2018, 25, 951-955.	3.6	22
601	Multicast Pushing With Content Request Delay Information. IEEE Transactions on Communications, 2018, 66, 1078-1092.	7.8	22
602	Collaborative Multicast Beamforming for Content Delivery by Cache-Enabled Ultra Dense Networks. IEEE Transactions on Communications, 2019, 67, 3396-3406.	7.8	22
603	Moving-Target Defense for Detecting Coordinated Cyber-Physical Attacks in Power Grids. , 2019, , .		22
604	The Complete and Incomplete Low-Bit-Rate Hybrid PLC/Wireless Channel Models: Physical Layer Security Analyses. IEEE Internet of Things Journal, 2019, 6, 2760-2769.	8.7	22
605	Performance Analysis of Iterative Channel Estimation and Multiuser Detection in Multipath DS-CDMA Channels. IEEE Transactions on Signal Processing, 2007, 55, 1981-1993.	5.3	21
606	Coalition Games with Cooperative Transmission: A Cure for the Curse of Boundary Nodes in Selfish Packet-Forwarding Wireless Networks. , 2007, , .		21
607	On the Sum-Capacity of Degraded Gaussian Multiple-Access Relay Channels. IEEE Transactions on Information Theory, 2009, 55, 5394-5411.	2.4	21
608	An ESPRIT-based approach for initial ranging in OFDMA systems. IEEE Transactions on Communications, 2009, 57, 3225-3229.	7.8	21
609	A comprehensive study of repetition-coded protocols in multi-user multi-relay networks. IEEE Transactions on Wireless Communications, 2009, 8, 4329-4339.	9.2	21
610	Power Allocation in Cyclic Prefixed Single-Carrier Relaying Systems. IEEE Transactions on Wireless Communications, 2011, 10, 2294-2305.	9.2	21
611	Fading Cognitive Multiple-Access Channels With Confidential Messages. IEEE Transactions on Information Theory, 2011, 57, 4992-5005.	2.4	21
612	Cooperative cognitive radio networking using quadrature signaling. , 2012, , .		21

#	Article	IF	Citations
613	Distributed models for sparse attack construction and state vector estimation in the smart grid. , 2012, , .		21
614	On the Feedback Capacity of the Fully Connected K-User Interference Channel. IEEE Transactions on Information Theory, 2013, 59, 2863-2881.	2.4	21
615	Introducing the fast nonlinear Fourier transform. , 2013, , .		21
616	Near-Optimal Modulo-and-Forward Scheme for the Untrusted Relay Channel. IEEE Transactions on Information Theory, 2016, 62, 2545-2556.	2.4	21
617	MIMO Beamforming for Secure and Energy-Efficient Wireless Communication. IEEE Signal Processing Letters, 2017, 24, 236-239.	3.6	21
618	Joint Power Allocation and Beamforming for Energy-Efficient Two-Way Multi-Relay Communications. IEEE Transactions on Wireless Communications, 2017, 16, 6660-6671.	9.2	21
619	MVG Mechanism. , 2018, , .		21
620	Scaling Probabilistic Tensor Canonical Polyadic Decomposition to Massive Data. IEEE Transactions on Signal Processing, 2018, 66, 5534-5548.	5.3	21
621	A Virtual-Queue-Based Algorithm for Constrained Online Convex Optimization With Applications to Data Center Resource Allocation. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 703-716.	10.8	21
622	Coded Joint Pushing and Caching With Asynchronous User Requests. IEEE Journal on Selected Areas in Communications, 2018, 36, 1843-1856.	14.0	21
623	Probabilistic Caching for Small-Cell Networks With Terrestrial and Aerial Users. IEEE Transactions on Vehicular Technology, 2019, 68, 9162-9177.	6.3	21
624	Caching With Time Domain Buffer Sharing. IEEE Transactions on Communications, 2019, 67, 2730-2745.	7.8	21
625	How to Price Fresh Data. , 2019, , .		21
626	Data Driven Electricity Management for Residential Air Conditioning Systems: An Experimental Approach. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 380-391.	4.6	21
627	Massive MIMO-Assisted Mobile Edge Computing: Exciting Possibilities for Computation Offloading. IEEE Vehicular Technology Magazine, 2020, 15, 31-38.	3.4	21
628	Multi-Agent Reinforcement Learning for Cooperative Coded Caching via Homotopy Optimization. IEEE Transactions on Wireless Communications, 2021, 20, 5258-5272.	9.2	21
629	AoI-Driven Statistical Delay and Error-Rate Bounded QoS Provisioning for mURLLC Over UAV-Multimedia 6G Mobile Networks Using FBC. IEEE Journal on Selected Areas in Communications, 2021, 39, 3425-3443.	14.0	21
630	Cooperative Task Offloading and Block Mining in Blockchain-Based Edge Computing With Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Mobile Computing, 2023, 22, 2021-2037.	5.8	21

#	Article	IF	Citations
631	Low-Latency Federated Learning Over Wireless Channels With Differential Privacy. IEEE Journal on Selected Areas in Communications, 2022, 40, 290-307.	14.0	21
632	Quadratic detection of signals with drifting phase. Journal of the Acoustical Society of America, 1991, 89, 811-819.	1.1	20
633	Turbo multiuser detection: A primer. Journal of Communications and Networks, 2001, 3, 1-6.	2.6	20
634	Throughput Scaling of Wireless Networks With Random Connections. IEEE Transactions on Information Theory, 2010, 56, 3793-3806.	2.4	20
635	A theory of utility and privacy of data sources. , 2010, , .		20
636	Adaptive Resource Management in Sustainable Energy Powered Wireless Mesh Networks. , 2011, , .		20
637	Outage detection in power distribution networks with optimally-deployed power flow sensors. , 2013, , .		20
638	Multi-way amplify-and-forward relay networks with massive MIMO. , 2014, , .		20
639	Information Guided Precoding for OFDM. IEEE Access, 2017, 5, 19644-19656.	4.2	20
640	A Hybrid Power Line/Wireless Dual-Hop System With Energy Harvesting Relay. IEEE Internet of Things Journal, 2018, 5, 4201-4211.	8.7	20
641	Low-Latency Multiuser Two-Way Wireless Relaying for Spectral and Energy Efficiencies. IEEE Transactions on Signal Processing, 2018, 66, 4362-4376.	5.3	20
642	Data-Driven Measurement of Receiver Sensitivity in Wireless Communication Systems. IEEE Transactions on Communications, 2019, 67, 3665-3676.	7.8	20
643	A Game-Theoretic Analysis for Complementary and Substitutable IoT Services Delivery With Externalities. IEEE Transactions on Communications, 2020, 68, 615-629.	7.8	20
644	Physical-Layer Security in Visible Light Communications. , 2020, , .		20
645	A Power Control Game with Uncertainty On the Type of the Jammer. , 2019, , .		20
646	Massive Access of Static and Mobile Users via Reconfigurable Intelligent Surfaces: Protocol Design and Performance Analysis. IEEE Journal on Selected Areas in Communications, 2022, 40, 1253-1269.	14.0	20
647	The continuous-time peak-to-average power ratio of OFDM signals using complex modulation schemes. IEEE Transactions on Communications, 2008, 56, 1390-1393.	7.8	19
648	Spatial-spectral joint detection for wideband spectrum sensing in cognitive radio networks. , 2008, , .		19

#	Article	IF	Citations
649	Energy-Efficient Resource Allocation in Multipath CDMA Channels With Band-Limited Waveforms. IEEE Transactions on Signal Processing, 2009, 57, 1494-1510.	5.3	19
650	Reliable Joint Source-Channel Cooperative Transmission Over Relay Networks. IEEE Transactions on Information Theory, 2013, 59, 2442-2458.	2.4	19
651	A Game-Theoretic Approach for Energy-Efficient Contention-Based Synchronization in OFDMA Systems. IEEE Transactions on Signal Processing, 2013, 61, 1258-1271.	5.3	19
652	Network Coded Multihop Wireless Communication Networks: Channel Estimation and Training Design. IEEE Journal on Selected Areas in Communications, 2015, 33, 281-294.	14.0	19
653	Non-Coherent Successive Relaying and Cooperation: Principles, Designs, and Applications. IEEE Communications Surveys and Tutorials, 2015, 17, 1708-1737.	39.4	19
654	Prospect theory for enhanced smart grid resilience using distributed energy storage. , 2016, , .		19
655	Game theoretic study of protecting MIMO transmissions against smart attacks. , 2017, , .		19
656	Influence of Conformist and Manipulative Behaviors on Public Opinion. IEEE Transactions on Control of Network Systems, 2019, 6, 202-214.	3.7	19
657	On the Physical Layer Security of Millimeter Wave NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 11697-11711.	6.3	19
658	LPD Communication: A Sequential Change-Point Detection Perspective. IEEE Transactions on Communications, 2020, 68, 2474-2490.	7.8	19
659	Age of Information Minimization for Grant-Free Non-Orthogonal Massive Access Using Mean-Field Games. IEEE Transactions on Communications, 2021, 69, 7806-7820.	7.8	19
660	Sum-Throughput Maximization in NOMA-Based WPCN: A Cluster-Specific Beamforming Approach. IEEE Internet of Things Journal, 2021, 8, 10543-10556.	8.7	19
661	Blind Adaptive Suppression of Narrowband Digital Interferers from Spread Spectrum Signals. Wireless Personal Communications, 1998, 6, 69-96.	2.7	18
662	Sensor Configuration and Activation for Field Detection in Large Sensor Arrays. IEEE Transactions on Signal Processing, 2008, 56, 447-463.	5.3	18
663	Privacy-security tradeoffs in biometric security systems. , 2008, , .		18
664	Ergodic two-user interference channels: Is separability optimal?. , 2008, , .		18
665	Cognitive Radio: How to Maximally Utilize Spectrum Opportunities in Sequential Sensing. , 2008, , .		18
666	Lossy Joint Source-Channel Coding Using Raptor Codes. International Journal of Digital Multimedia Broadcasting, 2008, 2008, 1-18.	0.6	18

#	Article	IF	Citations
667	Iterative transceiver design for MIMO AF relay networks with multiple sources. , 2010, , .		18
668	Constrained Energy-Aware AP Placement with Rate Adaptation in WLAN Mesh Networks. , 2011, , .		18
669	Incremental Reformulated Automatic Relevance Determination. IEEE Transactions on Signal Processing, 2012, 60, 4977-4981.	5.3	18
670	A General Framework of Precoding Design for Multiple Two-Way Relaying Communications. IEEE Transactions on Signal Processing, 2013, 61, 1531-1535.	5.3	18
671	On the Symmetric Feedback Capacity of the K-User Cyclic Z-Interference Channel. IEEE Transactions on Information Theory, 2013, 59, 2713-2734.	2.4	18
672	Autonomous Energy Harvesting Base Stations With Minimum Storage Requirements. IEEE Wireless Communications Letters, 2015, 4, 265-268.	5.0	18
673	Social learning networks: Efficiency optimization for MOOC forums. , 2016, , .		18
674	Nonparametric Detection of Anomalous Data Streams. IEEE Transactions on Signal Processing, 2017, 65, 5785-5797.	5.3	18
675	When are discrete channel inputs optimal? â€" Optimization techniques and some new results. , 2018, , .		18
676	On the Capacity of the Peak Power Constrained Vector Gaussian Channel: An Estimation Theoretic Perspective. IEEE Transactions on Information Theory, 2019, 65, 3907-3921.	2.4	18
677	The Low-Bit-Rate Hybrid Power Line/Wireless Single-Relay Channel. IEEE Systems Journal, 2019, 13, 98-109.	4.6	18
678	High-Frequency Power Electronics at the Grid Edge: A Bottom-Up Approach Toward the Smart Grid. IEEE Electrification Magazine, 2020, 8, 6-17.	1.8	18
679	MPC-Based UAV Navigation for Simultaneous Solar-Energy Harvesting and Two-Way Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 3459-3474.	14.0	18
680	Reliable and Secure Short-Packet Communications. IEEE Transactions on Wireless Communications, 2022, 21, 1913-1926.	9.2	18
681	Secure Transmission in IRS-Assisted MIMO Systems with Active Eavesdroppers. , 2020, , .		18
682	Meta-Wall: Intelligent Omni-Surfaces Aided Multi-Cell MIMO Communications. IEEE Transactions on Wireless Communications, 2022, 21, 7026-7039.	9.2	18
683	Scheduling algorithms for downlink rate allocation in heterogeneous CDMA networks. Journal of Communications and Networks, 2002, 4, 199-208.	2.6	17
684	Ultra Wideband Geolocation. , 2005, , 43-75.		17

#	Article	IF	Citations
685	Cooperative Beamforming for Wireless Ad Hoc Networks. , 2007, , .		17
686	New channel coding achievability bounds. , 2008, , .		17
687	Throughput of Cellular Systems with Conferencing Mobiles and Cooperative Base Stations. Eurasip Journal on Wireless Communications and Networking, 2008, 2008, .	2.4	17
688	Distributed Opportunistic Scheduling With Two-Level Probing. IEEE/ACM Transactions on Networking, 2010, 18, 1464-1477.	3.8	17
689	Space-time block coding for spatial modulation. , 2010, , .		17
690	Cellular Systems with Non-Regenerative Relaying and Cooperative Base Stations. IEEE Transactions on Wireless Communications, 2010, 9, 2654-2663.	9.2	17
691	On PMU location selection for line outage detection in wide-area transmission networks. , 2012, , .		17
692	Heegard–Berger and Cascade Source Coding Problems With Common Reconstruction Constraints. IEEE Transactions on Information Theory, 2013, 59, 1458-1474.	2.4	17
693	Discriminatory Lossy Source Coding: Side Information Privacy. IEEE Transactions on Information Theory, 2013, 59, 5665-5677.	2.4	17
694	Adaptive link selection algorithms for distributed estimation. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.7	17
695	Cluster formation in cloud-radio access networks: Performance analysis and algorithms design. , 2015, , .		17
696	Content Pushing Based on Physical Layer Multicasting and Request Delay Information. , 2016, , .		17
697	Feedback Enhances Simultaneous Wireless Information and Energy Transmission in Multiple Access Channels. IEEE Transactions on Information Theory, 2017, 63, 5244-5265.	2.4	17
698	Challenges and Open Problems in Signal Processing: Panel Discussion Summary from ICASSP 2017 [Panel and Forum]. IEEE Signal Processing Magazine, 2017, 34, 8-23.	5.6	17
699	A Fair Individual Rate Comparison between MIMO-NOMA and MIMO-OMA. , 2017, , .		17
700	Energy Efficient Pushing in AWGN Channels Based on Content Request Delay Information. IEEE Transactions on Communications, 2018, 66, 3667-3682.	7.8	17
701	Secrecy Capacity of Colored Gaussian Noise Channels With Feedback. IEEE Transactions on Information Theory, 2019, 65, 5771-5782.	2.4	17
702	Request Delay-Based Pricing for Proactive Caching: A Stackelberg Game Approach. IEEE Transactions on Wireless Communications, 2019, 18, 2903-2918.	9.2	17

#	Article	IF	Citations
703	Improper Gaussian Signaling for Broadcast Interference Networks. IEEE Signal Processing Letters, 2019, 26, 808-812.	3.6	17
704	Peer Prediction-Based Trustworthiness Evaluation and Trustworthy Service Rating in Social Networks. IEEE Transactions on Information Forensics and Security, 2019, 14, 1582-1594.	6.9	17
705	Constrained Online Convex Optimization With Feedback Delays. IEEE Transactions on Automatic Control, 2021, 66, 5049-5064.	5.7	17
706	Energy-Efficient Data Dissemination Using a UAV: An Ant Colony Approach. IEEE Wireless Communications Letters, 2021, 10, 16-20.	5.0	17
707	Make Smart Decisions Faster: Deciding D2D Resource Allocation via Stackelberg Game Guided Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Mobile Computing, 2022, 21, 4426-4438.	5.8	17
708	Canonical time-frequency, time-scale, and frequency-scale representations of time-varying channels. Communications in Information and Systems, 2005, 5, 197-226.	0.5	17
709	Spatiotemporal Analysis for Age of Information in Random Access Networks Under Last-Come First-Serve With Replacement Protocol. IEEE Transactions on Wireless Communications, 2022, 21, 2813-2829.	9.2	17
710	Power-Efficient Passive Beamforming and Resource Allocation for IRS-Aided WPCNs. IEEE Transactions on Communications, 2022, 70, 3250-3265.	7.8	17
711	Multiuser detection in impulsive channels. Annales Des Telecommunications/Annals of Telecommunications, 1999, 54, 392-400.	2.5	16
712	Cooperative Multiplexing: Toward Higher Spectral Efficiency in Multiple-Antenna Relay Networks. IEEE Transactions on Information Theory, 2009, 55, 3909-3926.	2.4	16
713	Time-Delay Estimation in Dispersed Spectrum Cognitive Radio Systems. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	16
714	Rateless coding for MIMO fading channels: performance limits and code construction. IEEE Transactions on Wireless Communications, 2010, 9, 1288-1292.	9.2	16
715	Diversity-Multiplexing Trade-off in Adaptive Two-Way Relaying. IEEE Transactions on Information Theory, 2011, 57, 4235-4254.	2.4	16
716	The Evolution of Online Social Networks: A tutorial survey. IEEE Signal Processing Magazine, 2012, 29, 41-52.	5.6	16
717	On X-channels with feedback and delayed CSI. , 2012, , .		16
718	A Multiobjective Approach for Source Estimation in Fuzzy Networked Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1890-1900.	5.4	16
719	Line outage detection in power transmission networks via message passing algorithms. , 2014, , .		16
720	Digital backpropagation in the nonlinear Fourier domain. , 2015, , .		16

#	Article	IF	Citations
721	Performance of MIMO-NOMA Downlink Transmissions. , 2015, , .		16
722	Communication Theoretic Data Analytics. IEEE Journal on Selected Areas in Communications, 2015, 33, 663-675.	14.0	16
723	Broadcast Networks With Layered Decoding and Layered Secrecy: Theory and Applications. Proceedings of the IEEE, 2015, 103, 1841-1856.	21.3	16
724	Distributed Algorithms for Sharing Spectrum Sensing Information in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2015, 14, 4667-4678.	9.2	16
725	Secrecy-reliability tradeoff for semi-deterministic wiretap channels at finite Blocklength. , 2017, , .		16
726	Energy-Efficient Power Allocation for Uplink NOMA. , 2018, , .		16
727	Game Theory for Big Data Processing: Multileader Multifollower Game-Based ADMM. IEEE Transactions on Signal Processing, 2018, 66, 3933-3945.	5.3	16
728	PC^{2}A: Predicting Collective Contextual Anomalies via LSTM With Deep Generative Model. IEEE Internet of Things Journal, 2019, 6, 9645-9655.	8.7	16
729	Mean-Field-Type Game-Based Computation Offloading in Multi-Access Edge Computing Networks. IEEE Transactions on Wireless Communications, 2020, 19, 8366-8381.	9.2	16
730	Signal Superposition in NOMA With Proper and Improper Gaussian Signaling. IEEE Transactions on Communications, 2020, 68, 6537-6551.	7.8	16
731	Smart routing of electric vehicles for load balancing in smart grids. Automatica, 2020, 120, 109148.	5.0	16
732	Estimation in Poisson Noise: Properties of the Conditional Mean Estimator. IEEE Transactions on Information Theory, 2020, 66, 4304-4323.	2.4	16
733	Timely Status Updating Over Erasure Channels Using an Energy Harvesting Sensor: Single and Multiple Sources. IEEE Transactions on Green Communications and Networking, 2022, 6, 6-19.	5.5	16
734	Fundamentals of Physical Layer Anonymous Communications: Sender Detection and Anonymous Precoding. IEEE Transactions on Wireless Communications, 2022, 21, 64-79.	9.2	16
735	Federated Learning With Unreliable Clients: Performance Analysis and Mechanism Design. IEEE Internet of Things Journal, 2021, 8, 17308-17319.	8.7	16
736	Pricing Fresh Data. IEEE Journal on Selected Areas in Communications, 2021, 39, 1211-1225.	14.0	16
737	Spatial Equalization Before Reception: Reconfigurable Intelligent Surfaces for Multi-Path Mitigation. , 2021, , .		16
738	Nonconvex Low-Rank Tensor Completion from Noisy Data. Operations Research, 2022, 70, 1219-1237.	1.9	16

#	Article	IF	Citations
739	Distributed Reinforcement Learning for Age of Information Minimization in Real-Time IoT Systems. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 501-515.	10.8	16
740	Deep Reinforcement Learning-Based Optimization for IRS-Assisted Cognitive Radio Systems. IEEE Transactions on Communications, 2022, 70, 3849-3864.	7.8	16
741	Minimax Linear Smoothing for Capacities. Annals of Probability, 1982, 10, 504.	1.8	15
742	Activity detection in a multi-user environment. Wireless Personal Communications, 1996, 3, 149-174.	2.7	15
743	The Tradeoff Between Processing Gains of an Impulse Radio UWB System in the Presence of Timing Jitter. IEEE Transactions on Communications, 2007, 55, 1504-1515.	7.8	15
744	Interference-assisted secret communication. , 2008, , .		15
745	Opportunistic Scheduling and Beamforming for MIMO-OFDMA Downlink Systems with Reduced Feedback. , 2008, , .		15
746	Noncooperative waveform adaptation games in multiuser wireless communications. IEEE Signal Processing Magazine, 2009, 26, 64-76.	5.6	15
747	BICM Decoding of Jammed OFDM Transmissions Using the EM Algorithm. IEEE Transactions on Wireless Communications, 2011, 10, 2800-2806.	9.2	15
748	On the Secure Degrees of Freedom of Relaying With Half-Duplex Feedback. IEEE Transactions on Information Theory, 2011, 57, 291-302.	2.4	15
749	Fading Multiple Access Relay Channels: Achievable Rates and Opportunistic Scheduling. IEEE Transactions on Information Theory, 2011, 57, 1911-1931.	2.4	15
750	A combinatorial optimization framework for subset selection in distributed multiple-radar architectures. , 2011, , .		15
751	Regularized Variational Bayesian Learning of Echo State Networks with Delay&Sum Readout. Neural Computation, 2012, 24, 967-995.	2.2	15
752	Performance Analysis of Cyclic Prefixed Single-Carrier Cognitive Amplify-and-Forward Relay Systems. IEEE Transactions on Wireless Communications, 2013, 12, 195-205.	9.2	15
753	Channel Estimation for Two-Way Relay Networks in the Presence of Synchronization Errors. IEEE Transactions on Signal Processing, 2014, 62, 6235-6248.	5.3	15
754	Estimating Directional Statistics Using Wavefield Modeling and Mixtures of von-Mises Distributions. IEEE Signal Processing Letters, 2014, 21, 1496-1500.	3.6	15
755	Fast inverse nonlinear Fourier transform for generating multi-solitons in optical fiber. , 2015, , .		15
756	Perfect Output Feedback in the Two-User Decentralized Interference Channel. IEEE Transactions on Information Theory, 2015, 61, 5441-5462.	2.4	15

#	Article	IF	Citations
757	Impact of channel aging in multi-way relay networks with massive MIMO. , 2015, , .		15
758	Simplified Han-Kobayashi region for one-sided and mixed Gaussian interference channels. , 2016, , .		15
759	On the number of users served in MIMO-NOMA cellular networks. , 2016, , .		15
760	Cumulative prospect theoretic study of a cloud storage defense game against advanced persistent threats. , 2017, , .		15
761	Dependent Differential Privacy for Correlated Data. , 2017, , .		15
762	Physical layer security in massive MIMO systems. , 2017, , .		15
763	Optimal Training Design for MIMO Systems With General Power Constraints. IEEE Transactions on Signal Processing, 2018, 66, 3649-3664.	5.3	15
764	Peer-to-Peer Packet Dispatching for Multi-Router Local Area Packetized Power Networks. IEEE Transactions on Smart Grid, 2019, 10, 5748-5758.	9.0	15
765	Protecting the Grid Against MAD Attacks. IEEE Transactions on Network Science and Engineering, 2020, 7, 1310-1326.	6.4	15
766	Peer-to-Peer Energy Trading in DC Packetized Power Microgrids. IEEE Journal on Selected Areas in Communications, 2020, 38, 17-30.	14.0	15
767	Mean Field Evolutionary Dynamics in Dense-User Multi-Access Edge Computing Systems. IEEE Transactions on Wireless Communications, 2020, 19, 7825-7835.	9.2	15
768	A Prototype of Co-Frequency Co-Time Full Duplex Networking. IEEE Wireless Communications, 2020, 27, 132-139.	9.0	15
769	Energy-Efficient Multi-Cell Massive MIMO Subject to Minimum User-Rate Constraints. IEEE Transactions on Communications, 2021, 69, 914-928.	7.8	15
770	A Unified Framework for SINR Analysis in Poisson Networks With Traffic Dynamics. IEEE Transactions on Communications, 2021, 69, 326-339.	7.8	15
771	Orthogonal Chirp-Division Multiplexing for Power Line Sensing via Time-Domain Reflectometry. IEEE Sensors Journal, 2021, 21, 955-964.	4.7	15
772	Sample, Quantize, and Encode: Timely Estimation Over Noisy Channels. IEEE Transactions on Communications, 2021, 69, 6485-6499.	7.8	15
773	Secrecy by Design With Applications to Privacy and Compression. IEEE Transactions on Information Theory, 2021, 67, 824-843.	2.4	15
774	A Workflow-Aided Internet of Things Paradigm with Intelligent Edge Computing. IEEE Network, 2020, 34, 92-99.	6.9	15

#	Article	IF	Citations
775	A fiber optic–nanophotonic approach to the detection of antibodies and viral particles of COVID-19. Nanophotonics, 2020, 10, 235-246.	6.0	15
776	Shannon meets Turing: Non-computability and non-approximability of the finite state channel capacity. Communications in Information and Systems, 2020, 20, 81-116.	0.5	15
777	Optimizing Resource-Efficiency for Federated Edge Intelligence in IoT Networks. , 2020, , .		15
778	Review and Perspectives of Micro/Nano Technologies as Key-Enablers of 6G. IEEE Access, 2022, 10, 55428-55458.	4.2	15
779	Adaptive decorrelating detectors for CDMA systems. Wireless Personal Communications, 1996, 2, 415-440.	2.7	14
780	Blind Estimation of Multiple Carrier Frequency Offsets. , 2007, , .		14
781	Wireless broadcast networks: Reliability, security, and stability. , 2008, , .		14
782	An information-theoretic approach to privacy. , 2010, , .		14
783	Minimum energy to send k bits with and without feedback. , 2010, , .		14
784	Privacy–Security Trade-Offs in Biometric Security Systems—Part II: Multiple Use Case. IEEE Transactions on Information Forensics and Security, 2011, 6, 140-151.	6.9	14
785	On the Equivalence of Two Achievable Regions for the Broadcast Channel. IEEE Transactions on Information Theory, 2011, 57, 95-100.	2.4	14
786	Delay of Social Search on Small-World Graphs. Journal of Mathematical Sociology, 2014, 38, 1-46.	1.2	14
787	Rate-Distortion-Based Physical Layer Secrecy with Applications to Multimode Fiber. IEEE Transactions on Communications, 2014, 62, 1080-1090.	7.8	14
788	A canonical coalitional game theoretic approach for energy management for nanogrids. , 2015, , .		14
789	Approximate Capacity Region for the Symmetric Gaussian Interference Channel With Noisy Feedback. IEEE Transactions on Information Theory, 2015, 61, 3737-3762.	2.4	14
790	Smart meter privacy with an energy harvesting device and instantaneous power constraints. , 2015, , .		14
791	On the design of MIMO-NOMA downlink and uplink transmission. , 2016, , .		14
792	Gaussian approximation for the downlink interference in heterogeneous cellular networks. , 2016, , .		14

#	Article	IF	Citations
793	Secure Massive MIMO Relaying Systems in a Poisson Field of Eavesdroppers. IEEE Transactions on Communications, 2017, 65, 4857-4870.	7.8	14
794	Energy Efficient Resource Optimization for a Downlink NOMA Heterogeneous Small-Cell Network. , 2018, , .		14
795	Optimal Power Allocation in Cache-Aided Non-Orthogonal Multiple Access Systems. , 2018, , .		14
796	On the Efficiency of Online Social Learning Networks. IEEE/ACM Transactions on Networking, 2018, 26, 2076-2089.	3.8	14
797	Heterogeneous Statistical-QoS Driven Resource Allocation Over mmWave Massive-MIMO Based 5G Mobile Wireless Networks in the Non-Asymptotic Regime. IEEE Journal on Selected Areas in Communications, 2019, 37, 2727-2743.	14.0	14
798	Secure Communication and Identification Systems â€" Effective Performance Evaluation on Turing Machines. IEEE Transactions on Information Forensics and Security, 2020, 15, 1013-1025.	6.9	14
799	Stealth Attacks on the Smart Grid. IEEE Transactions on Smart Grid, 2020, 11, 1276-1285.	9.0	14
800	Instability detection and prevention in smart grids under asymmetric faults. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	14
801	Dedicated Energy Harvesting in Concatenated Hybrid PLC-Wireless Systems. IEEE Transactions on Wireless Communications, 2020, 19, 3839-3853.	9.2	14
802	Secrecy Performance Analysis of Distributed Asynchronous Cyclic Delay Diversity-Based Cooperative Single Carrier Systems. IEEE Transactions on Communications, 2020, 68, 2680-2694.	7.8	14
803	Dual-Hop Spatial Modulation With a Relay Transmitting its Own Information. IEEE Transactions on Wireless Communications, 2020, 19, 4449-4463.	9.2	14
804	Hybrid Power Line/Wireless Systems: An Optimal Power Allocation Perspective. IEEE Transactions on Wireless Communications, 2020, 19, 6289-6300.	9.2	14
805	Matrix-Monotonic Optimization $-$ Part II: Multi-Variable Optimization. IEEE Transactions on Signal Processing, 2021, 69, 179-194.	5.3	14
806	Joint Sensing Task Assignment and Collision-Free Trajectory Optimization for Mobile Vehicle Networks Using Mean-Field Games. IEEE Internet of Things Journal, 2021, 8, 8488-8503.	8.7	14
807	Secure Active and Passive Beamforming in IRS-Aided MIMO Systems. IEEE Transactions on Information Forensics and Security, 2022, 17, 1300-1315.	6.9	14
808	Opportunistic Communications in an Orthogonal Multiaccess Relay Channel. , 2007, , .		13
809	Equivalence of two inner bounds on the capacity region of the broadcast channel. , 2008, , .		13
810	Cellular systems with full-duplex compress-and-forward relaying and cooperative base stations. , 2008, , .		13

#	Article	IF	Citations
811	MIMO Gaussian broadcast channels with confidential messages. , 2009, , .		13
812	Distributed Source Coding Using Raptor Codes for Hidden Markov Sources. IEEE Transactions on Signal Processing, 2009, 57, 2868-2875.	5.3	13
813	Physical layer secrecy for OFDM systems. , 2010, , .		13
814	Cluster allocation schemes for target tracking in multiple radar architecture. , 2011, , .		13
815	Performance Analysis of Cyclic Prefixed Single-Carrier Spectrum Sharing Relay Systems in Primary User Interference. IEEE Transactions on Signal Processing, 2012, 60, 6729-6734.	5.3	13
816	Special issue on broadband mobile communications at very high speeds. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	13
817	A Reduced Feedback Precoder for MIMO-OFDM Cooperative Diversity Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 584-596.	6.3	13
818	Capacity Region of Vector Gaussian Interference Channels With Generally Strong Interference. IEEE Transactions on Information Theory, 2012, 58, 3472-3496.	2.4	13
819	The Role of Signal Processing in Meeting Privacy Challenges: An Overview. IEEE Signal Processing Magazine, 2013, 30, 95-106.	5.6	13
820	A satisfaction game for heating, ventilation and air conditioning control of smart buildings. , 2013, , .		13
821	Cognitive Single-Carrier Systems: Joint Impact of Multiple Licensed Transceivers. IEEE Transactions on Wireless Communications, 2014, 13, 6741-6755.	9.2	13
822	Feasibility of using discriminate pricing schemes for energy trading in smart grid. , 2014, , .		13
823	Multi-user relay networks with massive MIMO. , 2015, , .		13
824	Joint pushing and caching with a finite receiver buffer: Optimal policies and throughput analysis. , 2016, , .		13
825	Distributed Spectrum Estimation Based on Alternating Mixed Discrete-Continuous Adaptation. IEEE Signal Processing Letters, 2016, 23, 551-555.	3.6	13
826	Cyclic Interference Alignment for Full-Duplex Multi-Antenna Cellular Networks. IEEE Transactions on Communications, 2017, 65, 2657-2671.	7.8	13
827	On additive channels with generalized Gaussian noise. , 2017, , .		13
828	Motif-based analysis of power grid robustness under attacks. , 2017, , .		13

#	Article	IF	Citations
829	Fronthaul-Aware Software-Defined Wireless Networks: Resource Allocation and User Scheduling. IEEE Transactions on Wireless Communications, 2018, 17, 533-547.	9.2	13
830	Achieving Minimum Error in MISO Optical Spatial Modulation. , 2018, , .		13
831	MMSE Bounds for Additive Noise Channels Under Kullbackâ€"Leibler Divergence Constraints on the Input Distribution. IEEE Transactions on Signal Processing, 2019, 67, 6352-6367.	5.3	13
832	Harvest-Or-Access: Slotted ALOHA for Wireless Powered Communication Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 11394-11398.	6.3	13
833	Sensing and Communication Tradeoff Design for AoI Minimization in a Cellular Internet of UAVs. , 2020, , .		13
834	Advantages of NOMA for Multi-User BackCom Networks. IEEE Communications Letters, 2021, 25, 3408-3412.	4.1	13
835	Enhanced User Grouping and Power Allocation for Hybrid mmWave MIMO-NOMA Systems. IEEE Transactions on Wireless Communications, 2022, 21, 2034-2050.	9.2	13
836	Modeling and Analysis of the Spread of COVID-19 Under a Multiple-Strain Model with Mutations. , 0, , .		13
837	Subspace estimation from unbalanced and incomplete data matrices: $\ell_{2,\infty}$ statistical guarantees. Annals of Statistics, 2021, 49, .	2.6	13
838	Securityâ€"Reliability Tradeoff Analysis for SWIPT- and AF-Based IoT Networks With Friendly Jammers. IEEE Internet of Things Journal, 2022, 9, 21662-21675.	8.7	13
839	Reasoning on the Air: An Implicit Semantic Communication Architecture. , 2022, , .		13
840	Transactive energy for low voltage residential networks: A review. Applied Energy, 2022, 323, 119556.	10.1	13
841	Arbitrary side observations in bandit problems. Advances in Applied Mathematics, 2005, 34, 903-938.	0.7	12
842	Nested codes for secure transmission. , 2008, , .		12
843	On the Optimality of Beamforming for Multi-User MISO Interference Channels with Single-User Detection. , 2009, , .		12
844	Stability, Fairness, and Performance: A Flow-Level Study on Nonconvex and Time-Varying Rate Regions. IEEE Transactions on Information Theory, 2009, 55, 3437-3456.	2.4	12
845	On the Diversity Gain of AF and DF Relaying With Noisy CSI at the Source Transmitter. IEEE Transactions on Information Theory, 2009, 55, 5064-5073.	2.4	12
846	Achievable secrecy rates in physical layer secure systems with a helping interferer. , 2012, , .		12

#	Article	IF	Citations
847	Smart meter privacy in the presence of energy harvesting and storage devices. , 2012, , .		12
848	Smarter security in the smart grid. , 2012, , .		12
849	Half-Duplex Relaying Over Slow Fading Channels Based on Quantize-and-Forward. IEEE Transactions on Information Theory, 2013, 59, 860-872.	2.4	12
850	Dynamic topology adaptation for distributed estimation in smart grids. , 2013, , .		12
851	Capacity and security of heterogeneous distributed storage systems. , 2013, , .		12
852	A rate-distortion based secrecy system with side information at the decoders. , 2014, , .		12
853	MIMO radar imaging with imperfect carrier synchronization: A point spread function analysis. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2236-2247.	4.7	12
854	The Price of Self-sustainability for Block Transmission Systems. IEEE Journal on Selected Areas in Communications, 2015, , 1-1.	14.0	12
855	Secure communication in massive MIMO relay networks. , 2016, , .		12
856	Enabling Self-Healing Smart Grid Through Jamming Resilient Local Controller Switching. IEEE Transactions on Dependable and Secure Computing, 2017, 14, 377-391.	5.4	12
857	Superposition Signaling in Broadcast Interference Networks. IEEE Transactions on Communications, 2017, 65, 4646-4656.	7.8	12
858	Nonparametric Detection of Geometric Structures Over Networks. IEEE Transactions on Signal Processing, 2017, 65, 5034-5046.	5.3	12
859	Secrecy performance of finite-sized cooperative full-duplex relay systems with unreliable backhauls. IEEE Transactions on Signal Processing, 2017, 65, 6185-6200.	5.3	12
860	Learning-Based Distributed Detection-Estimation in Sensor Networks With Unknown Sensor Defects. IEEE Transactions on Signal Processing, 2017, 65, 130-145.	5.3	12
861	A Tractable Framework for the Analysis of Dense Heterogeneous Cellular Networks. IEEE Transactions on Communications, 2018, 66, 3151-3171.	7.8	12
862	Sparse Channel Estimation for Space-Time Block Coded OFDM-Based Underwater Acoustic Channels. , 2018, , .		12
863	Differentiated Service-Aware Group Paging for Massive Machine-Type Communication. IEEE Transactions on Communications, 2018, 66, 5444-5456.	7.8	12
864	Locally Adaptive Scheduling Policy for Optimizing Information Freshness in Wireless Networks. , 2019, , .		12

#	Article	IF	Citations
865	MIMO-OFDM-Based Wireless-Powered Relaying Communication With an Energy Recycling Interface. IEEE Transactions on Communications, 2020, 68, 811-824.	7.8	12
866	Privacy-Preserving Incremental ADMM for Decentralized Consensus Optimization. IEEE Transactions on Signal Processing, 2020, 68, 5842-5854.	5.3	12
867	Optimal Resource Allocations for Statistical QoS Provisioning to Support mURLLC Over FBC-EH-Based 6G THz Wireless Nano-Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 1544-1560.	14.0	12
868	Roles of retailers in the peer-to-peer electricity market: A single retailer perspective. IScience, 2021, 24, 103278.	4.1	12
869	Partial and Full Relay Selection Algorithms for AF Multi-Relay Full-Duplex Networks With Self-Energy Recycling in Non-Identically Distributed Fading Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 6173-6188.	6.3	12
870	Data‐driven detection and identification of IoT‐enabled load‐altering attacks in power grids. IET Smart Grid, 2022, 5, 203-218.	2.2	12
871	Recent results on compound wire-tap channels. , 2008, , .		11
872	A simple distributed antenna processing scheme for cooperative diversity. IEEE Transactions on Communications, 2009, 57, 626-629.	7.8	11
873	Frequency Offset and Channel Estimation in Cooperative Relay Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 3142-3155.	6.3	11
874	Improved rate-equivocation regions for secure cooperative communication. , 2011, , .		11
875	On the capacity region of multiple-access relay channels. , 2011, , .		11
876	Cascade source coding with erased side information. , 2011, , .		11
877	Power allocation for CS-based colocated MIMO radar systems. , 2012, , .		11
878	Selfish Random Access over Wireless Channels with Multipacket Reception. IEEE Journal on Selected Areas in Communications, 2012, 30, 138-152.	14.0	11
879	Secure multicast communications with private jammers. , 2016, , .		11
880	Cognitive hierarchy theory for heterogeneous uplink multiple access in the Internet of Things. , 2016, , .		11
881	On the coexistence of non-orthogonal multiple access and millimeter-wave communications. , 2017, , .		11
882	Impact of Imperfect Source-to-Relay CSI in Amplify-and-Forward Relay Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 5056-5069.	6.3	11

#	Article	IF	Citations
883	Beamforming and power allocation for energy-efficient massive MIMO. , 2017, , .		11
884	Fundamentals for IoT networks. , 2019, , .		11
885	Remote Short Blocklength Process Monitoring: Trade-off Between Resolution and Data Freshness. , 2020, , .		11
886	A Multi-Jammer Game With Latency as the User's Communication Utility. IEEE Communications Letters, 2020, 24, 1899-1903.	4.1	11
887	Age of Information with Finite Horizon and Partial Updates. , 2020, , .		11
888	Belief and Opinion Evolution in Social Networks Based on a Multi-Population Mean Field Game Approach. , 2020, , .		11
889	Timely Estimation Using Coded Quantized Samples. , 2020, , .		11
890	Physical Layer Security of In-Home PLC Systems: Analysis Based on a Measurement Campaign. IEEE Systems Journal, 2021, 15, 617-628.	4.6	11
891	Task Selection and Collision-Free Route Planning for Mobile Crowdsensing Using Multi-Population Mean-Field Games. IEEE Transactions on Green Communications and Networking, 2021, 5, 1947-1960.	5.5	11
892	Minimax Robust Detection: Classic Results and Recent Advances. IEEE Transactions on Signal Processing, 2021, 69, 2252-2283.	5.3	11
893	Coded Stochastic ADMM for Decentralized Consensus Optimization With Edge Computing. IEEE Internet of Things Journal, 2021, 8, 5360-5373.	8.7	11
894	Revisiting Analog Over-the-Air Machine Learning: The Blessing and Curse of Interference. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 406-419.	10.8	11
895	Mutualistic Mechanism in Symbiotic Radios: When Can the Primary and Secondary Transmissions Be Mutually Beneficial?. IEEE Transactions on Wireless Communications, 2022, 21, 8036-8050.	9.2	11
896	Spectral Efficiency of Equal-Rate DS-CDMA Systems with Multiple Transmit Antennas. IEEE Transactions on Wireless Communications, 2006, 5, 3680-3688.	9.2	10
897	Secrecy Capacity Region of Parallel Broadcast Channels. , 2007, , .		10
898	Enhancing uplink throughput via local base station cooperation. , 2008, , .		10
899	Diversity-Multiplexing Tradeoffs in MIMO Relay Channels. , 2008, , .		10
900	Three-user Gaussian multiple access channel with partially cooperating encoders. , 2008, , .		10

#	Article	IF	Citations
901	Joint Source-Channel Coding at the Application Layer. , 2009, , .		10
902	Dispersion of the Gilbert-Elliott channel. , 2009, , .		10
903	Joint Decode-and-Forward and jamming for wireless physical layer security with destination assistance. , 2011, , .		10
904	Bandit problems in networks: Asymptotically efficient distributed allocation rules. , 2011, , .		10
905	A sensing policy based on confidence bounds and a restless multi-armed bandit model. , 2012, , .		10
906	Spectrum Sharing Single-Carrier in the Presence of Multiple Licensed Receivers. IEEE Transactions on Wireless Communications, 2013, 12, 5223-5235.	9.2	10
907	Distributed reinforcement learning in multi-agent networks. , 2013, , .		10
908	Adaptive link selection strategies for distributed estimation in diffusion wireless networks. , 2013, , .		10
909	Energy-capacity trade-off bounds in a downlink typical cell. , 2014, , .		10
910	A Reliable Successive Relaying Protocol. IEEE Transactions on Communications, 2014, 62, 1431-1443.	7.8	10
911	Multiuser Lattice Coding for the Multiple-Access Relay Channel. IEEE Transactions on Wireless Communications, 2014, 13, 3539-3555.	9.2	10
912	Quickest detection of Gauss-Markov random fields. , 2015, , .		10
913	Secure mobile crowdsensing game. , 2015, , .		10
914	Prospect theory for prosumer-centric energy trading in the smart grid. , 2016, , .		10
915	Universal Compressed Sensing for Almost Lossless Recovery. IEEE Transactions on Information Theory, 2017, , 1-1.	2.4	10
916	Energy Efficient Wireless Pushing With Request Delay Information and Delivery Delay Constraint. IEEE Access, 2017, 5, 15428-15441.	4.2	10
917	Betaâ€"Beta Bounds: Finite-Blocklength Analog of the Golden Formula. IEEE Transactions on Information Theory, 2018, 64, 6236-6256.	2.4	10
918	Strong Secrecy for Interference Channels Based on Channel Resolvability. IEEE Transactions on Information Theory, 2018, 64, 5110-5130.	2.4	10

#	Article	IF	Citations
919	On the Application of NOMA to Wireless Caching. , 2018, , .		10
920	Cyber Insurance for Heterogeneous Wireless Networks. , 2018, 56, 21-27.		10
921	On the Computability of the Secret Key Capacity under Rate Constraints. , 2019, , .		10
922	Distributed Cyclic Delay Diversity Systems With Spatially Distributed Interferers. IEEE Transactions on Wireless Communications, 2019, 18, 2066-2079.	9.2	10
923	Coding for Non-IID Sources and Channels: Entropic Approximations and a Question of Ahlswede. , 2019, , .		10
924	Capacity Scaling of Massive MIMO in Strong Spatial Correlation Regimes. IEEE Transactions on Information Theory, 2020, 66, 3040-3064.	2.4	10
925	Symbiotic Radio: A New Application of Large Intelligent Surface/Antennas (LISA). , 2020, , .		10
926	A False Discovery Rate Oriented Approach to Parallel Sequential Change Detection Problems. IEEE Transactions on Signal Processing, 2020, 68, 1823-1836.	5.3	10
927	PLC Systems Under the Presence of a Malicious Wireless Communication Device: Physical Layer Security Analyses. IEEE Systems Journal, 2020, 14, 4901-4910.	4.6	10
928	Bayesian Topology Learning and noise removal from network data. Discover Internet of Things, 2021, 1, 1.	4.8	10
929	On the Algorithmic Solvability of Channel Dependent Classification Problems in Communication Systems. IEEE/ACM Transactions on Networking, 2021, 29, 1155-1168.	3.8	10
930	Statistical Delay and Error-Rate Bounded QoS Provisioning for SWIPT Over CF M-MIMO 6G Mobile Wireless Networks Using FBC. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 1272-1287.	10.8	10
931	Performance Optimization for Wireless Semantic Communications over Energy Harvesting Networks. , 2022, , .		10
932	Cooperative Transmission Protocols with High Spectral Efficiency and High Diversity Order Using Multiuser Detection and Network Coding. , 2007, , .		9
933	Auction-based resource allocation for multi-relay asynchronous cooperative networks. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	9
934	Performance of Rake Receivers in IR-UWB Networks Using Energy-Efficient Power Control. IEEE Transactions on Wireless Communications, 2008, 7, 2289-2299.	9.2	9
935	Information-theoretic implications of constrained cooperation in simple cellular models. , 2008, , .		9
936	Cooperative Multiplexing in Full-Duplex Multi-Antenna Relay Networks. , 2008, , .		9

#	Article	IF	Citations
937	A unified framework for key agreement over wireless fading channels. , 2009, , .		9
938	Quickest detection in coupled systems. , 2009, , .		9
939	Capacity bounds for peak-constrained multiantenna wideband channels. IEEE Transactions on Communications, 2009, 57, 2686-2696.	7.8	9
940	On the DMT of bidirectional relaying with limited feedback. , 2009, , .		9
941	The broadcast approach over fading Gaussian wiretap channels. , 2009, , .		9
942	Key agreement over wireless fading channels with an active attacker. , 2010, , .		9
943	Variable-length coding with feedback in the non-asymptotic regime. , 2010, , .		9
944	High SNR secrecy rates with OFDM signaling over fading channels. , 2010, , .		9
945	The capacity region of the symmetric linear deterministic interference channel with partial feedback. , 2012, , .		9
946	Compressive autonomous sensing (CASe) for wideband spectrum sensing. , 2012, , .		9
947	A differential scheme for Spatial Modulation. , 2013, , .		9
948	Achievable rates for discrete memoryless relay channels with generalised feedback. Transactions on Emerging Telecommunications Technologies, 2013, 24, 212-231.	3.9	9
949	The likelihood encoder for lossy source compression. , 2014, , .		9
950	Quickest Detection in Coupled Systems. SIAM Journal on Control and Optimization, 2014, 52, 1567-1596.	2.1	9
951	Combining cooperation and storage for the integration of renewable energy in smart grids. , 2014, , .		9
952	Robotics Inspired Opportunistic Routing for Cognitive Radio Using Potential Fields. IEEE Transactions on Cognitive Communications and Networking, 2015, 1, 45-55.	7.9	9
953	Mobile offloading game against smart attacks. , 2016, , .		9
954	On secure computation over the binary modulo-2 adder multiple-access wiretap channel. , 2016, , .		9

#	Article	IF	Citations
955	Non-Orthogonal Multiple Access (NOMA) for 5G Systems. , 2017, , 109-132.		9
956	Smart routing in smart grids. , 2017, , .		9
957	Multicast-pushing with human-in-the-loop: Where social networks meet wireless communications. , 2017, , .		9
958	Information-theoretic attacks in the smart grid. , 2017, , .		9
959	A View of Information-Estimation Relations in Gaussian Networks. Entropy, 2017, 19, 409.	2.2	9
960	Secrecy Performance of Finite-Sized In-Band Selective Relaying Systems With Unreliable Backhaul and Cooperative Eavesdroppers. IEEE Journal on Selected Areas in Communications, 2018, 36, 1499-1516.	14.0	9
961	Securing Downlink Non-Orthogonal Multiple Access Systems by Trusted Relays. , 2018, , .		9
962	Optimal Inputs for Some Classes of Degraded Wiretap Channels. , 2018, , .		9
963	Secrecy Analysis of Distributed CDD-Based Cooperative Systems With Deliberate Interference. IEEE Transactions on Wireless Communications, 2018, 17, 7865-7878.	9.2	9
964	On Estimation under Noisy Order Statistics. , 2019, , .		9
965	Intelligent User Association for Symbiotic Radio Networks Using Deep Reinforcement Learning. , 2019, , .		9
966	Identification Capacity of Channels With Feedback: Discontinuity Behavior, Super-Activation, and Turing Computability. IEEE Transactions on Information Theory, 2020, 66, 6184-6199.	2.4	9
967	Information-Theoretic Bounds on the Generalization Error and Privacy Leakage in Federated Learning. , 2020, , .		9
968	Capacity-Approaching Polar Codes With Long Codewords and Successive Cancellation Decoding Based on Improved Gaussian Approximation. IEEE Transactions on Communications, 2021, 69, 31-43.	7.8	9
969	Joint LED Selection and Precoding Optimization for Multiple-User Multiple-Cell VLC Systems. IEEE Internet of Things Journal, 2022, 9, 6003-6017.	8.7	9
970	On Privacy of Dynamical Systems: An Optimal Probabilistic Mapping Approach. IEEE Transactions on Information Forensics and Security, 2021, 16, 2608-2620.	6.9	9
971	Channel Estimation and Equalization for Alamouti SF-Coded OFDM-UWA Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 1709-1723.	6.3	9
972	Protecting Physical Layer Secret Key Generation from Active Attacks. Entropy, 2021, 23, 960.	2.2	9

#	Article	IF	Citations
973	Distributed Learning in Wireless Sensor Networks. , 0, , 185-214.		9
974	Throughput Enhancement in FD- and SWIPT-Enabled IoT Networks Over Nonidentical Rayleigh Fading Channels. IEEE Internet of Things Journal, 2022, 9, 10172-10186.	8.7	9
975	Age-Optimal Information Gathering in Linear Underwater Networks: A Deep Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 13129-13138.	6.3	9
976	Competition and Collaboration in Wireless Sensor Networks. Signals and Communication Technology, 2010, , 3-15.	0.5	9
977	Short Blocklength Process Monitoring and Scheduling: Resolution and Data Freshness. IEEE Transactions on Wireless Communications, 2022, 21, 4669-4681.	9.2	9
978	A Meta-Learning Approach to the Optimal Power Flow Problem Under Topology Reconfigurations. IEEE Open Access Journal of Power and Energy, 2022, 9, 109-120.	3.4	9
979	MetaSketch: Wireless Semantic Segmentation by Reconfigurable Intelligent Surfaces. IEEE Transactions on Wireless Communications, 2022, 21, 5916-5929.	9.2	9
980	Fundamental limitations on efficiently forecasting certain epidemic measures in network models. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	9
981	Secure Transmission Design for Cooperative NOMA in the Presence of Internal Eavesdropping. IEEE Wireless Communications Letters, 2022, 11, 878-882.	5.0	9
982	Energy-Efficient Velocity Control for Massive Numbers of UAVs: A Mean Field Game Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 6266-6278.	6.3	9
983	A High-Throughput Cross-Layer Scheme for Distributed Wireless Ad Hoc Networks. , 2007, , .		8
984	Secrecy Capacity of Semi-deterministic Wire-tap Channels. , 2007, , .		8
985	SINR Analysis of Opportunistic MIMO-SDMA Downlink Systems with Linear Combining. , 2008, , .		8
986	Distributed Opportunistic Scheduling For Ad-Hoc Communications under Noisy Channel Estimation. , 2008, , .		8
987	Rateless coding for MIMO block fading channels. , 2008, , .		8
988	Reduced complexity angle-Doppler-range estimation for MIMO radar that employs compressive sensing. , 2009, , .		8
989	Mobile anchor assisted node localization for wireless sensor networks. , 2009, , .		8
990	Ergodic layered erasure one-sided interference channels. , 2009, , .		8

#	Article	IF	Citations
991	Robust fitting of ellipses and spheroids. , 2009, , .		8
992	Interference Channels With Correlated Receiver Side Information. IEEE Transactions on Information Theory, 2010, 56, 5984-5998.	2.4	8
993	Utility and privacy of data sources: Can Shannon help conceal and reveal information?. , 2010, , .		8
994	Range-Free Localization with the Radical Line. , 2010, , .		8
995	Complex-valued signal processing &#x2014; essential models, tools and statistics. , 2011, , .		8
996	Resource allocation for target detection in distributed MIMO radars. , 2011, , .		8
997	On Minimax Robust Detection of Stationary Gaussian Signals in White Gaussian Noise. IEEE Transactions on Information Theory, 2011, 57, 3915-3924.	2.4	8
998	Faster than Nyquist interference assisted secret communication for OFDM systems. , 2011, , .		8
999	Fast adaptive variational sparse Bayesian learning with automatic relevance determination. , 2011, , .		8
1000	A robust estimator and detector of circularity of complex signals. , 2011, , .		8
1001	Distributed target tracking in multiple widely separated radar architectures. , 2012, , .		8
1002	Guest Editorial Game Theory in Wireless Communications. IEEE Journal on Selected Areas in Communications, 2012, 30, 1-3.	14.0	8
1003	An outer loop link adaptation for BICM-OFDM that learns. , 2013, , .		8
1004	Risky power forward contracts for wind aggregation. , 2013, , .		8
1005	Fundamental limits of cyber-physical security in smart power grids. , 2013, , .		8
1006	Link adaptation for BICM-OFDM through adaptive kernel regression. , 2013, , .		8
1007	Impact of channel state information on wireless energy harvesting cooperative networks with spatially random relays. , 2014, , .		8
1008	On arbitrarily varying wiretap channels for different classes of secrecy measures. , 2014, , .		8

#	Article	IF	Citations
1009	The effect of maximal rate codes on the interfering message rate. , 2014, , .		8
1010	Enabling Data Exchange in Two-Agent Interactive Systems Under Privacy Constraints. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1285-1297.	10.8	8
1011	Learning to infer: A new variational inference approach for power grid topology identification. , 2016, , .		8
1012	A generalized Ozarow-Wyner capacity bound with applications. , 2017, , .		8
1013	On Communication Through a Gaussian Channel With an MMSE Disturbance Constraint. IEEE Transactions on Information Theory, 2018, 64, 513-530.	2.4	8
1014	Distributed low-rank adaptive estimation algorithms based on alternating optimization. Signal Processing, 2018, 144, 41-51.	3.7	8
1015	ROLE OF LOCAL GEOMETRY IN ROBUSTNESS OF POWER GRID NETWORKS. , 2018, , .		8
1016	On the Structure of the Least Favorable Prior Distributions. , 2018, , .		8
1017	Statistical QoS-Driven Energy-Efficiency optimization for URLLC Over 5G Mobile Wireless Networks in the Finite Blocklength Regime. , 2019, , .		8
1018	Detectability of Denial-of-service Attacks on Communication Systems. , 2019, , .		8
1019	Securing Massive MIMO-NOMA Networks with ZF Beamforming and Artificial Noise. , 2019, , .		8
1020	Guest Editorial Wireless Transmission of Information and Powerâ€"Part I. IEEE Journal on Selected Areas in Communications, 2019, 37, 1-3.	14.0	8
1021	Data-Aided Channel Estimator for MIMO Systems via Reinforcement Learning. , 2020, , .		8
1022	A General Derivative Identity for the Conditional Mean Estimator in Gaussian Noise and Some Applications. , 2020, , .		8
1023	A Novel Spectrally-Efficient Uplink Hybrid-Domain NOMA System. IEEE Communications Letters, 2020, 24, 2609-2613.	4.1	8
1024	Power Efficient Deployment of VLC-enabled UAVs. , 2020, , .		8
1025	Nonsmooth Optimization Algorithms for Multicast Beamforming in Content-Centric Fog Radio Access Networks. IEEE Transactions on Signal Processing, 2020, 68, 1455-1469.	5.3	8
1026	Differentially Private ADMM for Regularized Consensus Optimization. IEEE Transactions on Automatic Control, 2021, 66, 3718-3725.	5.7	8

#	Article	IF	Citations
1027	Physical Layer Security Aided Wireless Interference Networks in the Presence of Strong Eavesdropper Channels. IEEE Transactions on Information Forensics and Security, 2021, 16, 3228-3240.	6.9	8
1028	Analysis of the Impact of Mask-wearing in Viral Spread: Implications for COVID-19. , 2021, , .		8
1029	Leveraging A Multiple-Strain Model with Mutations in Analyzing the Spread of Covid-19. , 2021, , .		8
1030	Modeling COVID-19 with mean field evolutionary dynamics: Social distancing and seasonality. Journal of Communications and Networks, 2021, 23, 314-325.	2.6	8
1031	The moment generating function of the stopping time for a linearly stopped poisson process. Stochastic Models, 1997, 13, 275-292.	0.3	7
1032	Upper Bounding the Performance of Arbitrary Finite LDPC Codes on Binary Erasure Channels. , 2006, , .		7
1033	Power Allocation in Distributed Detection with Wireless Sensor Networks. , 2006, , .		7
1034	The two-tap input-earasure Gaussian channel and its application to cellular communications. , 2008, , .		7
1035	Sum-capacity of ergodic fading interference and compound multiaccess channels. , 2008, , .		7
1036	Distributed Opportunistic Scheduling for MIMO Ad-Hoc Networks. , 2008, , .		7
1037	Distributed MIMO Systems for Nomadic Applications Over a Symmetric Interference Channel. IEEE Transactions on Information Theory, 2009, 55, 5558-5574.	2.4	7
1038	On Maximum-Likelihood SINR Estimation of MPSK in a Multiuser Fading Channel. IEEE Transactions on Vehicular Technology, 2010, 59, 4175-4181.	6.3	7
1039	Energy efficient lossy transmission over sensor networks with feedback. , 2010, , .		7
1040	Uplink Synchronization in OFDMA Spectrum-Sharing Systems. IEEE Transactions on Signal Processing, 2010, 58, 2771-2782.	5.3	7
1041	Multi-user privacy: The Gray-Wyner system and generalized common information. , 2011, , .		7
1042	Lossy Multicasting Over Binary Symmetric Broadcast Channels. IEEE Transactions on Signal Processing, 2011, 59, 3915-3929.	5.3	7
1043	Performance Analysis of Adaptive Decode-and-Forward Cooperative Single-Carrier Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 3332-3337.	6.3	7
1044	Energy management for a user interactive smart community: A Stackelberg game approach. , 2014, , .		7

#	Article	IF	Citations
1045	How to deal with an intelligent adversary. Computers and Industrial Engineering, 2015, 90, 352-360.	6.3	7
1046	Super-Activation as a Unique Feature of Secure Communication in Malicious Environments. Information (Switzerland), 2016, 7, 24.	2.9	7
1047	Efficient neural network architecture for topology identification in smart grid. , 2016, , .		7
1048	Non-bayesian multiple change-point detection controlling false discovery rate. , 2016, , .		7
1049	Super-activation as a unique feature of arbitrarily varying wiretap channels. , 2016, , .		7
1050	Quickest detection of Markov networks. , 2016, , .		7
1051	MIMO Gaussian wiretap channels with two transmit antennas: Optimal precoding and power allocation. , 2017, , .		7
1052	Optimal demand-side management for joint privacy-cost optimization with energy storage. , 2017, , .		7
1053	Simultaneous Information and Energy Transmission: A Finite Block-Length Analysis. , 2018, , .		7
1054	Foundations and Trends in Localization Technologies â€" Part I [Scanning the Issue]. Proceedings of the IEEE, 2018, 106, 1019-1021.	21.3	7
1055	Rate Splitting for Asynchronous Uplink NOMA Systems with Cyclic Prefixed Single Carrier. , 2019, , .		7
1056	Graph Topology Learning and Signal Recovery Via Bayesian Inference. , 2019, , .		7
1057	Outage Probability Analysis of Spectrum Sharing Systems With Distributed Cyclic Delay Diversity. IEEE Transactions on Communications, 2019, 67, 4435-4449.	7.8	7
1058	Identification Capacity of Correlation-Assisted Discrete Memoryless Channels: Analytical Properties and Representations. , 2019, , .		7
1059	Amplitude Constrained MIMO Channels: Properties of Optimal Input Distributions and Bounds on the Capacity. Entropy, 2019, 21, 200.	2.2	7
1060	Learning Centric Power Allocation for Edge Intelligence. , 2020, , .		7
1061	Diffusion Bayesian Subband Adaptive Filters for Distributed Estimation Over Sensor Networks. IEEE Transactions on Communications, 2021, 69, 6909-6925.	7.8	7
1062	Spatial Constellation Design-Based Generalized Space Shift Keying for Physical Layer Security of Multi-User MIMO Communication Systems. IEEE Wireless Communications Letters, 2021, 10, 1785-1789.	5.0	7

#	Article	IF	Citations
1063	Improper Gaussian Signaling for D2D Communication Coexisting MISO Cellular Networks. IEEE Transactions on Wireless Communications, 2021, 20, 5186-5198.	9.2	7
1064	Analysis of typical PLC pulses for sensing high-impedance faults based on time-domain reflectometry. International Journal of Electrical Power and Energy Systems, 2022, 135, 107168.	5.5	7
1065	Resource Allocation for Wireless Communications with Distributed Reconfigurable Intelligent Surfaces. , 2020, , .		7
1066	Wireless Network Optimization for Federated Learning with Model Compression in Hybrid VLC/RF Systems. Entropy, 2021, 23, 1413.	2.2	7
1067	Modeling and Analysis of Opinion Dynamics in Social Networks Using Multiple-Population Mean Field Games. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 301-316.	2.8	7
1068	Design of THz-NOMA in the Presence of Beam Misalignment. IEEE Communications Letters, 2022, 26, 1678-1682.	4.1	7
1069	An Information-Theoretic View of Mixed-Delay Traffic in 5G and 6G. Entropy, 2022, 24, 637.	2.2	7
1070	Phase Shift Design in RIS Empowered Wireless Networks: From Optimization to AI-Based Methods. Network, 2022, 2, 398-418.	2.4	7
1071	Adaptive decorrelating detectors for CDMA systems. Wireless Personal Communications, 1995, 2, 265-290.	2.7	6
1072	A Game-Theoretic Approach to Energy-Efficient Modulation in CDMA Networks with Delay Constraints. , 2007, , .		6
1073	Power Control Algorithms for CDMA Networks Based on Large System Analysis. , 2007, , .		6
1074	Energy efficient communication using cooperative beamforming: A game theoretic analysis. , 2008, , .		6
1075	An Improved Scheme for Initial Ranging in OFDMA-Based Networks. , 2008, , .		6
1076	A Gibbs Sampling Based MAP Detection Algorithm for OFDM over Rapidly Varying Mobile Radio Channels. , 2009, , .		6
1077	Joint source-channel coding at the application layer for parallel Gaussian sources. , 2009, , .		6
1078	Secret-key sharing based on layered broadcast coding over fading channels. , 2009, , .		6
1079	Throughput Scaling of Wireless Networks With Random Connections. , 2009, , .		6
1080	Throughput of cellular uplink with dynamic user activity and cooperative base-stations. , 2009, , .		6

#	Article	IF	Citations
1081	MIMO Z-interference channels: Capacity under strong and noisy interference. , 2009, , .		6
1082	Secure Communications With Insecure Feedback: Breaking the High-SNR Ceiling. IEEE Transactions on Information Theory, 2010, 56, 3700-3711.	2.4	6
1083	Exploiting spatial diversity in multiagent reinforcement learning based spectrum sensing. , 2011, , .		6
1084	On the Capacity of Type I Broadcast-Z-Interference Channels. IEEE Transactions on Information Theory, 2011, 57, 2648-2666.	2.4	6
1085	A Distributed Data Collection Algorithm for Wireless Sensor Networks with Persistent Storage Nodes. , 2011, , .		6
1086	Optimal power allocation in distributed multiple-radar configurations. , 2011, , .		6
1087	Convergence results in distributed Kalman filtering. , 2011, , .		6
1088	The Nash equilibrium region of the linear deterministic interference channel with feedback. , 2012, , .		6
1089	A sequential predictor retraining algorithm and its application to market prediction. Annals of Operations Research, 2013, 208, 209-225.	4.1	6
1090	Guest Editorial: Signal Processing for Wireless Physical Layer Security}. IEEE Journal on Selected Areas in Communications, 2013, 31, 1657-1659.	14.0	6
1091	Prioritizing consumers in smart grid: Energy management using game theory. , 2013, , .		6
1092	Fusion of image segmentation algorithms using consensus clustering. , 2013, , .		6
1093	An information theoretic framework for energy efficient secrecy. , 2013, , .		6
1094	Symmetric decentralized interference channels with noisy feedback. , 2014, , .		6
1095	The multiple-access channel with an external eavesdropper: Trusted vs. untrusted users. , 2015, , .		6
1096	Information Centric Sensor Network Management Via Community Structure. IEEE Communications Letters, 2015, 19, 767-770.	4.1	6
1097	Universal compressed sensing. , 2016, , .		6
1098	On the minimum mean p-th error in Gaussian noise channels and its applications. , 2016, , .		6

#	Article	IF	Citations
1099	A coalitional graph game framework for network coding-aided D2D communication. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.7	6
1100	Disintegrated Channel Estimation in Filter-and-Forward Relay Networks. IEEE Transactions on Communications, 2016, 64, 2835-2847.	7.8	6
1101	On the SNR-Evolution of the MMSE Function of Codes for the Gaussian Broadcast and Wiretap Channels. IEEE Transactions on Information Theory, 2016, 62, 2070-2091.	2.4	6
1102	On Simultaneously Generating Multiple Keys in a Joint Source-Channel Model. IEEE Transactions on Information Forensics and Security, 2017, 12, 298-308.	6.9	6
1103	Joint Fractional Time Allocation and Beamforming for Downlink Multiuser MISO Systems. IEEE Communications Letters, 2017, 21, 2650-2653.	4.1	6
1104	Joint Sensor and Relay Power Control in Tracking Gaussian Mixture Targets by Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2018, 66, 492-506.	5.3	6
1105	Outage-Aware Secure Beamforming in MISO Wireless Interference Networks. IEEE Signal Processing Letters, 2018, 25, 956-960.	3.6	6
1106	Bayesian Regression for Robust Power Grid State Estimation Following a Cyber-Physical Attack. , 2018, , .		6
1107	Analytical Properties of Shannonâ€™s Capacity of Arbitrarily Varying Channels under List Decoding: Super-Additivity and Discontinuity Behavior. Problems of Information Transmission, 2018, 54, 199-228.	0.5	6
1108	A Coding Scheme for Colored Gaussian Wiretap Channels with Feedback. , 2018, , .		6
1109	Energy-Efficient Power Allocation for Hybrid Multiple Access Systems. , 2018, , .		6
1110	Foundations and Trends in Localization Technologiesâ€"Part II [Scanning the Issue]. Proceedings of the IEEE, 2018, 106, 1132-1135.	21.3	6
1111	State-Dependent Gaussian Multiple Access Channels: New Outer Bounds and Capacity Results. IEEE Transactions on Information Theory, 2018, 64, 7866-7882.	2.4	6
1112	Analyses for Age of Information Supporting URLLC Over Multimedia Wireless Networks. , 2020, , .		6
1113	Communication Under Channel Uncertainty: An Algorithmic Perspective and Effective Construction. IEEE Transactions on Signal Processing, 2020, 68, 6224-6239.	5.3	6
1114	Joint Framing and Finite-Blocklength Coding for URLLC in Multi-user Downlinks. , 2020, , .		6
1115	A Compression Perspective on Secrecy Measures. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 163-176.	2.5	6
1116	Age-of-Information for mURLLC Over 6G Multimedia Wireless Networks. , 2021, , .		6

#	Article	IF	Citations
1117	On the Effective Throughput of Coded Caching With Heterogeneous User Preferences: A Game Theoretic Perspective. IEEE Transactions on Communications, 2021, 69, 1387-1402.	7.8	6
1118	Achieving Extremely Low-Latency in Industrial Internet of Things: Joint Finite Blocklength Coding, Resource Block Matching, and Performance Analysis. IEEE Transactions on Communications, 2021, 69, 6529-6544.	7.8	6
1119	Hybrid Power Line/Wireless Systems: Power Allocation for Minimizing the Average Bit Error Probability. IEEE Transactions on Communications, 2022, 70, 810-821.	7.8	6
1120	Physics-based Modeling of Large Intelligent Reflecting Surfaces for Scalable Optimization. , 2020, , .		6
1121	Benefits of energy recovery from the undesirable components of electric signals in electric power systems. International Journal of Electrical Power and Energy Systems, 2022, 138, 107323.	5.5	6
1122	Queue-Aware Finite-Blocklength Coding for Ultra-Reliable and Low-Latency Communications: A Cross-Layer Approach. IEEE Transactions on Wireless Communications, 2022, 21, 8786-8802.	9.2	6
1123	Joint Optimization of IRS and UAV-Trajectory: For Supporting Statistical Delay and Error-Rate Bounded QoS Over mURLLC-Driven 6G Mobile Wireless Networks Using FBC. IEEE Vehicular Technology Magazine, 2022, 17, 55-63.	3.4	6
1124	Performance Analysis of Joint Active User Detection and Channel Estimation for Massive Connectivity. IEEE Transactions on Signal Processing, 2022, 70, 3647-3662.	5.3	6
1125	Entanglement-assisted concatenated quantum codes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
1126	ARBITRAGE IN FRACTAL MODULATED BLACK–SCHOLES MODELS WHEN THE VOLATILITY IS STOCHASTIC. International Journal of Theoretical and Applied Finance, 2005, 08, 283-300.	0.5	5
1127	Cooperative Beamforming and Power Control. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	5
1128	Superposition-coded concurrent decode-and-forward relaying. , 2008, , .		5
1129	Opportunistic collaborative beamforming with one-bit feedback. , 2008, , .		5
1130	Decentralized two-hop opportunistic relaying with limited channel state information. , 2008, , .		5
1131	Relaying simultaneous multicasts via structured codes. , 2009, , .		5
1132	Large System Spectral Analysis of Covariance Matrix Estimation. IEEE Transactions on Information Theory, 2009, 55, 1395-1422.	2.4	5
1133	Privacy-security tradeoffs in reusable biometric security systems. , 2010, , .		5
1134	Hypothesis testing for partial sparse recovery. , 2012, , .		5

#	Article	IF	Citations
1135	Convex optimization for precoder design in MIMO interference networks. , 2012, , .		5
1136	Generalized degrees of freedom of the symmetric K-user interference channel with feedback. , 2012, , .		5
1137	Source-channel secrecy with causal disclosure. , 2012, , .		5
1138	Robust power flow control in smart grids with fluctuating effects. , 2012, , .		5
1139	Introduction to the Issue on Game Theory in Signal Processing. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 73-75.	10.8	5
1140	Opportunistic Detection Under a Fixed-Sample-Size Setting. IEEE Transactions on Information Theory, 2013, 59, 1107-1114.	2.4	5
1141	Simultaneous information and power transfer in wireless cooperative networks. , 2013, , .		5
1142	Optimal joint detection and estimation in linear models. , 2013, , .		5
1143	From social trust assisted reciprocity (STAR) to utility-optimal mobile crowdsensing. , 2014, , .		5
1144	Dynamic joint outage identification and state estimation in power systems. , 2014, , .		5
1145	How to use independent secret keys for secure broadcasting of common messages. , 2015, , .		5
1146	On fixed-length channel coding with feedback in the moderate deviations regime. , 2015, , .		5
1147	Optimal Power Allocation in Block Fading Channels With Confidential Messages. IEEE Transactions on Wireless Communications, 2015, 14, 4708-4719.	9.2	5
1148	Secrecy degrees of freedom of the two-user MISO broadcast channel with mixed CSIT. , 2015, , .		5
1149	On parallel sequential change detection controlling false discovery rate. , 2016, , .		5
1150	Prospect Theoretic Study of Cloud Storage Defense against Advanced Persistent Threats. , 2016, , .		5
1151	Real time electricity theft detection in microgrids through wireless sensor networks. , 2016, , .		5
1152	A finite moving average test for transient change detection in GNSS signal strength monitoring. , 2016, , .		5

#	Article	IF	Citations
1153	Opportunistic Detection Rules: Finite and Asymptotic Analysis. IEEE Transactions on Information Theory, 2016, 62, 2140-2152.	2.4	5
1154	Residual-Quantization Based Code Design for Compressing Noisy Sources With Arbitrary Decoder Side Information. IEEE Transactions on Communications, 2016, 64, 1711-1725.	7.8	5
1155	Learning-Based Content Caching with Time-Varying Popularity Profiles. , 2017, , .		5
1156	Multi-leader multi-follower game-based ADMM for big data processing. , 2017, , .		5
1157	On the Minimum Mean p th Error in Gaussian Noise Channels and Its Applications. IEEE Transactions on Information Theory, 2018, 64, 2012-2037.	2.4	5
1158	Degraded Broadcast Channel With Secrecy Outside a Bounded Range. IEEE Transactions on Information Theory, 2018, 64, 2104-2120.	2.4	5
1159	Social-Aware User Cooperation in Full-Duplex and Half-Duplex Multi-Antenna Systems. IEEE Transactions on Communications, 2018, 66, 3309-3321.	7.8	5
1160	Performance Analysis of Spectrum Sharing Systems with Distributed CDD. , 2018, , .		5
1161	Design of Network Coding for Wireless Broadcast and Multicast With Optimal Decoders. IEEE Transactions on Wireless Communications, 2018, 17, 6944-6957.	9.2	5
1162	Coded Caching Under Heterogeneous User Preferences: An Effective Throughput Perspective. , 2019, , .		5
1163	Sum-Capacity of the MIMO Many-Access Gaussian Noise Channel. IEEE Transactions on Communications, 2019, 67, 5419-5433.	7.8	5
1164	Mean Field Evolutionary Dynamics in Ultra Dense Mobile Edge Computing Systems. , 2019, , .		5
1165	Distributed Gradient Descent: Nonconvergence to Saddle Points and the Stable-Manifold Theorem. , 2019, , .		5
1166	Performance Optimization of Federated Learning over Mobile Wireless Networks. , 2020, , .		5
1167	The Vector Poisson Channel: On the Linearity of the Conditional Mean Estimator. IEEE Transactions on Signal Processing, 2020, 68, 5894-5903.	5.3	5
1168	Energy-Efficient Joint Power Control and Receiver Design for Uplink mmWave-NOMA. , 2020, , .		5
1169	Online Stochastic Optimization With Time-Varying Distributions. IEEE Transactions on Automatic Control, 2021, 66, 1840-1847.	5.7	5
1170	A variational interpretation of the Cramér–Rao bound. Signal Processing, 2021, 182, 107917.	3.7	5

#	Article	IF	Citations
1171	Joint User Grouping, Version Selection, and Bandwidth Allocation for Live Video Multicasting. IEEE Transactions on Communications, 2022, 70, 350-365.	7.8	5
1172	Statistical Delay and Error-Rate Bounded QoS Provisioning for 6G mURLLC Over AoI-Driven and UAV-Enabled Wireless Networks. , 2021, , .		5
1173	Task Selection and Route Planning for Mobile Crowd Sensing Using Multi-Population Mean-Field Games. , 2021, , .		5
1174	Learning Mixtures of Low-Rank Models. IEEE Transactions on Information Theory, 2021, 67, 4613-4636.	2.4	5
1175	Role Assignment for Spatially-Correlated Data Aggregation Using Multi-Sink Internet of Underwater Things. IEEE Transactions on Green Communications and Networking, 2021, 5, 1570-1579.	5.5	5
1176	A Multi-Cluster-Based Distributed CDD Scheme for Asynchronous Joint Transmissions in Local and Private Wireless Networks. IEEE Transactions on Wireless Communications, 2022, 21, 80-94.	9.2	5
1177	Source Coding under Secrecy Constraints. , 2009, , 173-199.		5
1178	Reinforcement Learning for Minimizing Age of Information under Realistic Physical Dynamics. , 2020, , .		5
1179	Fault detection and location in power distribution systems: The usefulness of the HS-OFDM scheme for time-domain reflectometry. Electric Power Systems Research, 2022, 203, 107600.	3.6	5
1180	Minimax optimal sequential hypothesis tests for Markov processes. Annals of Statistics, 2020, 48, .	2.6	5
1181	Age- and Correlation-Aware Information Gathering. IEEE Wireless Communications Letters, 2022, 11, 273-277.	5.0	5
1182	Ultra-Reliable and Low-Latency Wireless Communications in the High SNR Regime: A Cross-Layer Tradeoff. IEEE Transactions on Communications, 2022, 70, 149-162.	7.8	5
1183	Bayesian Risk With Bregman Loss: A Cramér–Rao Type Bound and Linear Estimation. IEEE Transactions on Information Theory, 2022, 68, 1985-2000.	2.4	5
1184	Non-Coherent Multi-Level Index Modulation. IEEE Transactions on Communications, 2022, 70, 2240-2255.	7.8	5
1185	Recovering Data Permutations From Noisy Observations: The Linear Regime. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 854-869.	2.5	5
1186	Hybrid Chirp Signal Design for Improved Long-Range (LoRa) Communications. Signals, 2022, 3, 1-10.	1.9	5
1187	Multi-Dimensional Multiple Access With Resource Utilization Cost Awareness for Individualized Service Provisioning in 6G. IEEE Journal on Selected Areas in Communications, 2022, 40, 1237-1252.	14.0	5
1188	Meta-Reinforcement Learning for Reliable Communication in THz/VLC Wireless VR Networks. IEEE Transactions on Wireless Communications, 2022, 21, 7778-7793.	9.2	5

#	Article	IF	Citations
1189	Subspace methods for blind joint channel estimation and multiuser detection in CDMA systems. Wireless Networks, 2000, 6, 59-71.	3.0	4
1190	Estimation Diversity with Multiple Heterogeneous Sensors. , 2006, , .		4
1191	Joint Detection and Identification of an Unobservable Change in the Distribution of a Random Sequence. , 2007, , .		4
1192	Optimal time to change premiums. Mathematical Methods of Operations Research, 2008, 68, 125-158.	1.0	4
1193	Iterative ("Turbo") Multiuser Detectors for Impulse Radio Systems. IEEE Transactions on Wireless Communications, 2008, 7, 2964-2974.	9.2	4
1194	Uplink sum-rate analysis of a multicell system with feedback. , 2008, , .		4
1195	Optimal node density for two-dimensional sensor arrays. , 2008, , .		4
1196	Optimal medium access control in cognitive radios: A sequential design approach. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	4
1197	Energy efficiency in multi-hop CDMA networks: A game theoretic analysis considering operating costs. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	4
1198	Distributed MIMO systems with oblivious antennas. , 2008, , .		4
1199	Asymptotic Analysis of Outage Region in CDMA MIMO Systems. IEEE Transactions on Information Theory, 2009, 55, 1206-1217.	2.4	4
1200	Time delay estimation in cognitive radio systems. , 2009, , .		4
1201	Robust target estimation in compressive sensing based colocated MIMO radar. , 2010, , .		4
1202	Superposition-Repetition-Coded Successive Decode-And-Forward Relaying with Limited Destination-Relay Feedback. , 2010, , .		4
1203	The capacity-equivocation region of the MIMO Gaussian wiretap channel. , 2010, , .		4
1204	An auctioning mechanism for green radio. Journal of Communications and Networks, 2010, 12, 114-121.	2.6	4
1205	Space-alternating attribute-distributed sparse learning. , 2010, , .		4
1206	Parallel discrete memoryless interference channels under strong interference: Separability and capacity region results. , 2010, , .		4

#	Article	IF	Citations
1207	A Novel Wideband Spectrum Sensing System for Distributed Cognitive Radio Networks. , 2011, , .		4
1208	A knapsack problem formulation for relay selection in secure cooperative wireless communication. , 2011, , .		4
1209	Guest Editorial Special Issue on Using the Physical Layer for Securing the Next Generation of Communication Systems. IEEE Transactions on Information Forensics and Security, 2011, 6, 521-522.	6.9	4
1210	Discriminatory Lossy Source Coding: Side Information Privacy. , 2011, , .		4
1211	Robust Distributed Least-Squares Estimation in Sensor Networks with Node Failures. , 2011, , .		4
1212	Learning efficient satisfaction equilibria via trial and error. , 2012, , .		4
1213	Mismatched MMSE estimation of multivariate Gaussian sources. , 2012, , .		4
1214	A bit of secrecy for Gaussian source compression. , 2013, , .		4
1215	On secure communication over multiple access wiretap channels under channel uncertainty. , 2014, , .		4
1216	Equilibria in data injection attacks. , 2014, , .		4
1217	Learning multidimensional Fourier series with tensor trains. , 2014, , .		4
1218	Unsupervised nonparametric anomaly detection: A kernel method. , 2014, , .		4
1219	Wireless Information and Power Transfer in Multi-Way Relay Networks with Massive MIMO. , 2015, , .		4
1220	Joint source-channel secrecy using hybrid coding. , 2015, , .		4
1221	A beta-beta achievability bound with applications. , 2016, , .		4
1222	Secrecy Performance of Cooperative Single Carrier Systems with Unreliable Backhaul Connections. , 2016, , .		4
1223	Energy management by controlling air conditioning systems in residential settings. , 2016, , .		4
1224	Feedback enhances simultaneous energy and information transmission in multiple access channels. , 2016, , .		4

#	Article	IF	Citations
1225	Nonparametric detection of an anomalous disk over a two-dimensional lattice network. , 2016, , .		4
1226	A random tree search algorithm for Nash equilibrium in capacitated selfish replication games. , 2016, , .		4
1227	Downlink outage performance of heterogeneous cellular networks. , 2016, , .		4
1228	Adaptive distributed compressed estimation based on recursive least squares with sensing matrix design. , 2016, , .		4
1229	Characterization of super-additivity and discontinuity behavior of the capacity of arbitrarily varying channels under list decoding. , 2017, , .		4
1230	An FDR-oriented approach to multiple sequential fault detection and isolation. , 2017, , .		4
1231	Caching with Statistical Request Delay Information. , 2017, , .		4
1232	Game Theoretic Approaches to Massive Data Processing in Wireless Networks. IEEE Wireless Communications, 2018, 25, 98-104.	9.0	4
1233	Secret-Key Generation and Convexity of the Rate Region Using Infinite Compound Sources. IEEE Transactions on Information Forensics and Security, 2018, 13, 2075-2086.	6.9	4
1234	Performance Evaluation of Secure Communication Systems on Turing Machines. , 2018, , .		4
1235	Physical-Layer Security for Indoor Visible Light Communications with Space Shift Keying Modulation. , 2018, , .		4
1236	Pricing for Content Pushing with Request Delay Information: A Stackelberg Game Approach. , 2018, , .		4
1237	Relay-Aided Secure Broadcasting for VLC. , 2018, , .		4
1238	On Estimating the Norm of a Gaussian Vector Under Additive White Gaussian Noise. IEEE Signal Processing Letters, 2019, 26, 1325-1329.	3.6	4
1239	Secure Key Generation for Distributed Inference in IoT Invited Presentation. , 2019, , .		4
1240	Impact of Delays on Constrained Online Convex Optimization. , 2019, , .		4
1241	On the Structure of the Capacity Formula for General Finite State Channels with Applications. , 2019, , .		4
1242	On Ultra-Reliable and Low Latency Simultaneous Information and Energy Transmission Systems. , 2019, , .		4

#	Article	IF	Citations
1243	Resource Allocation for Secure Communication Systems: Algorithmic Solvability. , 2019, , .		4
1244	Recovering Structure of Noisy Data through Hypothesis Testing. , 2020, , .		4
1245	Statistical QoS Provisioning Over Cell-Free M-MIMO-NOMA Based 5G+ Mobile Wireless Networks in the Non-Asymptotic Regime. , 2020, , .		4
1246	Diversity Gain Analysis of Distributed CDD Systems in Non-Identical Fading Channels. IEEE Transactions on Communications, 2020, 68, 7218-7231.	7.8	4
1247	Energy-Efficient Spatially-Correlated Data Aggregation Using Unmanned Aerial Vehicles. , 2020, , .		4
1248	Sequential Hypothesis Criterion Based Optimal Caching Schemes Over Mobile Wireless Networks. , 2020, , .		4
1249	On Polar Coding For Finite Blocklength Secret Key Generation Over Wireless Channels. , 2020, , .		4
1250	Hybrid Precoding for Secure Transmission in Reflect-Array-Assisted Massive MIMO Systems. , 2020, , .		4
1251	Blind Interference Alignment With ISI: A New Look at OFDM for K-User Interference Channels. IEEE Transactions on Signal Processing, 2020, 68, 4497-4512.	5.3	4
1252	Optimum Combiner for Spatially Correlated Nakagami-m Fading Channels. IEEE Transactions on Wireless Communications, 2021, 20, 771-784.	9.2	4
1253	Detection of Spatially Modulated Signals via RLS: Theoretical Bounds and Applications. IEEE Transactions on Wireless Communications, 2022, 21, 2291-2304.	9.2	4
1254	Qualitative HD Image and Video Recovery via High-Order Tensor Augmentation and Completion. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 688-701.	10.8	4
1255	Meta-Reinforcement Learning for Immersive Virtual Reality over THz/VLC Wireless Networks. , 2021, , .		4
1256	Joint Resource Management and Model Compression for Wireless Federated Learning. , 2021, , .		4
1257	Low-Latency Short-Packet Transmission over a Large Spatial Scale. Entropy, 2021, 23, 916.	2.2	4
1258	Decision-making oriented clustering: Application to pricing and power consumption scheduling. Applied Energy, 2021, 297, 117106.	10.1	4
1259	Distributed Gradient Flow: Nonsmoothness, Nonconvexity, and Saddle Point Evasion. IEEE Transactions on Automatic Control, 2022, 67, 3949-3964.	5.7	4
1260	AoI Minimization for Grant-Free Massive Access with Short Packets using Mean-Field Games. , 2020, , .		4

#	Article	IF	Citations
1261	Privacyâ€cost tradeâ€offs in smart electricity metering systems. IET Smart Grid, 2020, 3, 596-604.	2.2	4
1262	Federated Learning with Downlink Device Selection. , 2021, , .		4
1263	Relay-Aided Multi-User OFDM Relying on Joint Wireless Power Transfer and Self-Interference Recycling. IEEE Transactions on Communications, 2022, 70, 291-305.	7.8	4
1264	Data-Driven Random Access Optimization in Multi-Cell IoT Networks Using NOMA. IEEE Transactions on Wireless Communications, 2022, 21, 4938-4953.	9.2	4
1265	Coordinated Rate Splitting Multiple Access for Multi-Cell Downlink Networks. , 2020, , .		4
1266	Mutualistic Mechanism in Symbiotic Radios. , 2021, , .		4
1267	Physical Layer Anonymous Precoding: The Path to Privacy-Preserving Communications. IEEE Wireless Communications, 2022, 29, 154-160.	9.0	4
1268	Consistency Problems for Jumpâ€diffusion Models. Applied Mathematical Finance, 2005, 12, 101-119.	1.2	3
1269	Scalable Algorithms for Aggregating Disparate Forecasts of Probability. , 2006, , .		3
1270	Low-Complexity MMSE Combining for Linear Impulse Radio UWB Receivers. , 2006, , .		3
1271	PROJECTING THE FORWARD RATE FLOW ONTO A FINITE DIMENSIONAL MANIFOLD. International Journal of Theoretical and Applied Finance, 2006, 09, 777-785.	0.5	3
1272	Voice Service Support in Mobile Ad Hoc Networks. , 2007, , .		3
1273	Large system analysis of game-theoretic power control in UWB wireless networks with rake receivers. , 2007, , .		3
1274	Power Control and Receiver Design for Energy Efficiency in Multipath CDMA Channels with Bandlimited Waveforms. , 2007, , .		3
1275	Blind identification of distributed antenna systems with multiple carrier frequency offsets. , 2007, , .		3
1276	Game theory and power control in ultrawideband networks. Physical Communication, 2008, 1, 21-39.	2.1	3
1277	Lossy source transmission over the relay channel. , 2008, , .		3
1278	Optimal medium access protocols for cognitive radio networks. , 2008, , .		3

#	Article	IF	Citations
1279	Cellular systems with multicell processing and conferencing links between mobile stations. , 2008, , .		3
1280	Theoretical limits on time delay estimation for ultra-wideband cognitive radios. , 2008, , .		3
1281	Multi-antenna Gaussian broadcast channels with confidential messages. , 2008, , .		3
1282	On the spectrum of large random hermitian finite-band matrices. , 2008, , .		3
1283	Distributed Source Coding Using Raptor Codes for Hidden Markov Sources. Proceedings of the Data Compression Conference, 2008, , .	0.0	3
1284	Large deviations analysis for the detection of 2D hidden Gauss-Markov random fields using sensor networks. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	3
1285	Information, energy and density for Ad Hoc sensor networks over correlated random fields: Large deviations analysis. , 2008, , .		3
1286	A broadcast approach to robust communications over unreliable multi-relay networks. , 2009, , .		3
1287	Fading cognitive multiple-access channels with confidential messages. , 2009, , .		3
1288	The Gaussian wiretap channel with noisy public feedback: Breaking the high-SNR ceiling. , 2009, , .		3
1289	Relaying simultaneous multicast messages. , 2009, , .		3
1290	Distortion exponent in MIMO channels with feedback. , 2009, , .		3
1291	Agent selection for regression on attribute distributed data. , 2010, , .		3
1292	Range estimation for MIMO step-frequency radar with compressive sensing. , 2010, , .		3
1293	A Monte Carlo Implementation of the SAGE Algorithm for Joint Soft-Multiuser Decoding, Channel Parameter Estimation, and Code Acquisition. IEEE Transactions on Signal Processing, 2010, 58, 5756-5766.	5.3	3
1294	Robust EM-based detection of BICM-OFDM transmissions in the presence of narrowband interference. , 2010, , .		3
1295	Power allocation schemes for target localization in widely distributed MIMO radar systems. , 2010, , .		3
1296	Energy-distortion tradeoffs in multiple-access channels with feedback. , 2010, , .		3

#	Article	IF	Citations
1297	On the weighted sum-rate capacity of broadcast channels that generate interference. , 2010, , .		3
1298	Online Content Trading: Sharing Mart System and Auction Experiments. , 2010, , .		3
1299	On the capacity of Gaussian broadcast channels that receive interference. , 2011, , .		3
1300	On the symmetric feedback capacity of the K-user cyclic interference channel. , 2011, , .		3
1301	Coset Codes for Compound Multiple Access Channels With Common Information. IEEE Transactions on Information Theory, 2011, 57, 3429-3448.	2.4	3
1302	On the Capacity of Multiple-Access-Z-Interference Channels. , 2011, , .		3
1303	Multi-level rate-splitting for synchronous and asynchronous interference channels. , 2011, , .		3
1304	Feedback and delayed CSI can be as good as perfect CSI. , 2012, , .		3
1305	On the sum-capacity of the linear deterministic interference channel with partial feedback. , 2012, , .		3
1306	Pricing mechanisms for cooperative state estimation. , 2012, , .		3
1307	Distributed transmit beamforming: Performance improvement using a two-bit feedback scheme. , 2012, , .		3
1308	The secrecy capacity of block fading multiuser wireless networks. , 2013, , .		3
1309	Information theoretic privacy for smart meters. , 2013, , .		3
1310	Reliable two-path successive relaying. , 2013, , .		3
1311	Risk-aware energy procurement with renewable energy and storage. , 2014, , .		3
1312	On the security of cooperative single carrier systems. , 2014, , .		3
1313	Robust transmission over wiretap channels with secret keys. , 2014, , .		3
1314	User scheduling in wireless information and power transfer networks. , 2014, , .		3

#	Article	IF	Citations
1315	Kernel-based nonparametric anomaly detection. , 2014, , .		3
1316	Energy harvesting for self-sustainable OFDMA communications. , 2014, , .		3
1317	Worst additive noise: An information-estimation view. , 2014, , .		3
1318	A kernel-based nonparametric test for anomaly detection over line networks. , 2014, , .		3
1319	Finite-horizon quickest search in correlated high-dimensional data. , 2014, , .		3
1320	On MMSE properties of optimal codes for the Gaussian wiretap channel. , 2015, , .		3
1321	On the continuity of the secrecy capacity of wiretap channels under channel uncertainty. , 2015, , .		3
1322	Secure computation of linear functions over linear discrete multiple-access wiretap channels. , 2016, , .		3
1323	Secrecy Rate Beamforming for Multi-Cell SWIPT Networks. , 2016, , .		3
1324	Spatial Continuum Model: Toward the Fundamental Limits of Dense Wireless Networks. , 2016, , .		3
1325	On Rate, Secrecy, and Network Connectivity Tradeoffs for Wireless Networks. IEEE Communications Letters, 2016, 20, 1559-1562.	4.1	3
1326	Rate-distortion dimension of stochastic processes. , 2016, , .		3
1327	Sequential joint signal detection and signal-to-noise ratio estimation. , 2017, , .		3
1328	Intentional islanding of power grids with data depth. , 2017, , .		3
1329	Nash region of the linear deterministic interference channel with noisy output feedback. , 2017, , .		3
1330	Dynamic Resource Matching for Socially Cooperative Caching in IoT Networking. , 2017, , .		3
1331	Introduction to the Issue on Machine Learning for Cognition in Radio Communications and Radar. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 3-5.	10.8	3
1332	Identification over Channels with Feedback: Discontinuity Behavior and Super-Activation. , 2018, , .		3

#	Article	IF	Citations
1333	Secrecy Performance Analysis of Distributed CDD Based Cooperative Systems with Jamming. , 2018, , .		3
1334	Secure lossless compression. , 2018, , .		3
1335	Learning Requirements for Stealth Attacks. , 2019, , .		3
1336	Source Coding at the Edge: User Preference Oriented Lossless Data Compression. , 2019, , .		3
1337	Statistical Delay-Bounded QoS Provisioning Over 5G Multimedia Mobile Wireless Networks in the Finite Blocklength Regime. , 2019, , .		3
1338	Sum-Throughput Maximization With QoS Constraints for Cooperative WPCNs. IEEE Access, 2019, 7, 130622-130637.	4.2	3
1339	Assessing the Resilience of the Texas Power Grid Network. , 2019, , .		3
1340	Privacy Aware Recommendation: Reinforcement Learning Based User Profile Perturbation. , 2019, , .		3
1341	An Upper Bound on the Number of Mass Points in the Capacity Achieving Distribution for the Amplitude Constrained Additive Gaussian Channel. , 2019, , .		3
1342	NOMA-Based Statistical QoS Provisioning for Wireless Ad-Hoc Networks with Finite Blocklength. , 2019, , .		3
1343	Annealing for Distributed Global Optimization. , 2019, , .		3
1344	Utilization of Opportunistic-Bits With Paired Transmissions. IEEE Wireless Communications Letters, 2019, 8, 661-664.	5.0	3
1345	A Class of Lower Bounds for Bayesian Risk with a Bregman Loss. , 2020, , .		3
1346	Decoding Binary Linear Codes Over Channels With Synchronization Errors. IEEE Journal on Selected Areas in Communications, 2020, 38, 2853-2863.	14.0	3
1347	Bayesian Multiple Change-Point Detection with Limited Communication. , 2020, , .		3
1348	Linear Precoder Design for Physical Layer Security via Reconfigurable Intelligent Surfaces. , 2020, , .		3
1349	Robust Transmission Over Channels with Channel Uncertainty: an Algorithmic Perspective. , 2020, , .		3
1350	Optimization for Signal Transmission and Reception in a Macrocell of Heterogeneous Uplinks and Downlinks. IEEE Transactions on Communications, 2020, 68, 7054-7067.	7.8	3

#	Article	IF	Citations
1351	Statistical Delay/Error-Rate Bounded QoS Provisioning Across Clustered MmWave-Channels Over Cell-Free Massive MIMO Based 5G Mobile Wireless Networks in the Finite Blocklength Regime. , 2020, , .		3
1352	Object Recognition at Higher Regions of the Ventral Visual Stream via Dynamic Inference. Frontiers in Computational Neuroscience, 2020, 14, 46.	2.1	3
1353	On Covert Communication Against Sequential Change-Point Detection. IEEE Transactions on Information Theory, 2021, 67, 7285-7303.	2.4	3
1354	A dCDD-Based Transmit Diversity Scheme for Downlink Pseudo-NOMA Systems. IEEE Transactions on Wireless Communications, 2021, 20, 1217-1232.	9.2	3
1355	Model predictive control for on–off charging of electrical vehicles in smart grids. IET Electrical Systems in Transportation, 2021, 11, 121-133.	2.4	3
1356	A Cluster-Based Transmit Diversity Scheme for Asynchronous Joint Transmissions in Private Networks. , 2021, , .		3
1357	Detectability of Denial-of-Service Attacks on Arbitrarily Varying Classical-Quantum Channels. , 2021, , .		3
1358	A Multi-Jammer Power Control Game. IEEE Communications Letters, 2021, 25, 3031-3035.	4.1	3
1359	Securing Massive MIMO Systems: Secrecy for Free With Low-Complexity Architectures. IEEE Transactions on Wireless Communications, 2021, 20, 5831-5845.	9.2	3
1360	Reconfigurable Intelligent Surface Assisted D2D Networks: Power and Discrete Phase Shift Design. , 2020, , .		3
1361	Backhaul Reliability Analysis on Cluster-Based Transmit Diversity Schemes in Private Networks. , 2020, , .		3
1362	Trajectory Optimization for UAV-to-Device Underlaid Cellular Networks by Mean-Field-Type Control. , 2020, , .		3
1363	Active Sampling for the Quickest Detection of Markov Networks. IEEE Transactions on Information Theory, 2022, 68, 2479-2508.	2.4	3
1364	Sequential Estimation of Network Cascades. , 2020, , .		3
1365	Quantization effects in filtering of stationary Gaussian processes. , 1984, , .		2
1366	1993, 94, 2838-2850.	1.1	2
1367	Interference channels with correlated receiver side information. , 2008, , .		2
1368	An ESPRIT-based approach for Initial Ranging in OFDMA systems. , 2008, , .		2

#	Article	IF	Citations
1369	Service time analysis of a distributed medium access control scheme. IEEE Transactions on Wireless Communications, 2008, 7, 3988-3998.	9.2	2
1370	On the Diversity-Multiplexing Tradeoff of Concurrent Decode-and-Forward Relaying. , 2008, , .		2
1371	Information secrecy from multiple eavesdroppers in orthogonal relay channels. , 2009, , .		2
1372	Coset codes for compound multiple access channels with common information. , 2009, , .		2
1373	Multicasting of digital images over erasure broadcast channels using rateless codes. , 2009, , .		2
1374	High capacity relay protocols for wireless networks. Journal of Communications and Networks, 2009, 11, 196-206.	2.6	2
1375	Blind Separation of Two Users Based on User Delays and Optimal Pulse-Shape Design. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	2
1376	Linear Transceiver Design for Amplify-And-Forward MIMO Relay Systems under Channel Uncertainties. , 2010, , .		2
1377	MIMO radar based on reduced complexity compressive sampling. , 2010, , .		2
1378	Performance analysis of code-multiplexed transmitted-reference ultra-wideband systems. , 2011, , .		2
1379	A sliding-window online fast variational sparse Bayesian learning algorithm. , 2011, , .		2
1380	Rate Improvement of Beamforming Systems via Bi-Directional Use of Spatial Resources. , 2011, , .		2
1381	On optimal precoding in wireless multicast systems. , 2011, , .		2
1382	Gaussian multiple descriptions with common and constrained reconstruction constraints. , 2012, , .		2
1383	Improving the energy efficiency of contention-based synchronization of (O)FDMA networks. , 2012, , .		2
1384	Broadcasting over fading wiretap channels. , 2012, , .		2
1385	An efficient energy curtailment scheme for outage management in smart grid. , 2012, , .		2
1386	Energy-efficient contention-based synchronization in OFDMA systems with discrete powers and limited feedback. , 2013, , .		2

#	Article	IF	Citations
1387	Signal Processing for Cybersecurity and Privacy [From the Guest Editors]. IEEE Signal Processing Magazine, 2013, 30, 14-15.	5.6	2
1388	Two-user MISO broadcast channel: Synergistic benefits of alternating CSIT. , 2013, , .		2
1389	On the impact of network-state knowledge on the Feasibility of secrecy. , 2013, , .		2
1390	A statistical physics approach to the wiretap channel. , 2013, , .		2
1391	Bounds on Maximum Likelihood Decoding Performance for Linear Codes at Low Rates. IEEE Transactions on Information Theory, 2013, 59, 4482-4497.	2.4	2
1392	Cooperative cognitive radios with diffusion networks*. , 0, , 262-303.		2
1393	Distributed Bayesian hybrid power state estimation with PMU synchronization errors. , 2014, , .		2
1394	Optimal power allocation in block fading Gaussian channels with causal CSI and secrecy constraints. , 2014, , .		2
1395	On the Capacity of Multiple-Access-Z-Interference Channels. IEEE Transactions on Information Theory, 2014, 60, 7732-7750.	2.4	2
1396	Robust iteratively reweighted Lasso for sparse tensor factorizations. , 2014, , .		2
1397	Introduction to the Issue on Signal Processing for Social Networks [Guest editorial]. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 511-513.	10.8	2
1398	Performance of MIMO-NOMA Downlink Transmissions. , 2014, , .		2
1399	Strong secrecy for interference channels from channel resolvability. , 2015, , .		2
1400	On MMSE properties of &#x201C;good&#x201D; and &#x201C;bad&#x201D; codes for the Gaussian broadcast channel. , 2015, , .		2
1401	Variable-length channel codes with probabilistic delay guarantees. , 2015, , .		2
1402	Cooperative Beamforming and User Selection for Physical Layer Security in Relay Systems. , 2015, , .		2
1403	Wireless physical layer security: Part 1 [Guest Editorial]. , 2015, 53, 15-15.		2
1404	Capacity region continuity of the compound broadcast channel with confidential messages. , 2015, , .		2

#	Article	IF	Citations
1405	An I-MMSE based graphical representation of rate and equivocation for the Gaussian broadcast channel. , 2015, , .		2
1406	On the Design of a Relay-Assisted Network. IEEE Communications Letters, 2015, 19, 1153-1156.	4.1	2
1407	Simultaneously generating multiple keys over a cascade of a noiseless channel and a wiretap channel. , 2016, , .		2
1408	Relay-Aided Space-Time Beamforming for Interference Networks With Partial Channel Knowledge. IEEE Transactions on Signal Processing, 2016, 64, 5119-5130.	5.3	2
1409	Communication theoretic inference on heterogeneous data. , 2016, , .		2
1410	Multiple Secret Key Generation: Information Theoretic Models and Key Capacity Regions. , 2017, , 333-361.		2
1411	Diversity Gain Analysis of Distributed CDD Systems in Non-Identical Frequency Selective Fading. , 2018, , .		2
1412	Downlink Non-Orthogonal Multiple Access Systems With an Untrusted Relay. , 2018, , .		2
1413	Minimax Optimal Sequential Tests for Multiple Hypotheses. , 2018, , .		2
1414	Peer to Peer Packet Dispatching for Local Area Packetized Power Networks with Multiple Routers. , 2018, , .		2
1415	LEARNING TO INFER POWER GRID TOPOLOGIES: PERFORMANCE AND SCALABILITY. , 2018, , .		2
1416	Effect of Backhaul Constraints on Uplink Femtocell Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 9931-9946.	6.3	2
1417	Joint Energy Procurement and Demand Response Towards Optimal Deployment of Renewables. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 657-672.	10.8	2
1418	Nonparametric distributed detection using bootstrapping and fisher's method. , 2018, , .		2
1419	Sum-Capacity of the MIMO Gaussian Many-Access Channel. , 2019, , .		2
1420	Guest Editorial Multimedia Economics for Future Networks: Theory, Methods, and Applications. IEEE Journal on Selected Areas in Communications, 2019, 37, 1473-1477.	14.0	2
1421	Turing Meets Shannon: On the Algorithmic Computability of the Capacities of Secure Communication Systems (Invited Paper). , 2019, , .		2
1422	Guest Editorial Wireless Transmission of Information and Powerâ€"Part II. IEEE Journal on Selected Areas in Communications, 2019, 37, 249-252.	14.0	2

#	Article	IF	Citations
1423	Estimation of Bounded Normal Mean: An Alternative Proof for the Discreteness of the Least Favorable Prior. , 2019, , .		2
1424	Robust Waterfilling for Approximately Gaussian Inputs. , 2019, , .		2
1425	Key Generation for Secure Distributed Detection in IoT using Polar Quantization. , 2019, , .		2
1426	Distributed Asynchronous Cyclic Delay Diversity-Based Cooperative Systems with a Passive Eavesdropper. , 2019, , .		2
1427	Finite-Blocklength Performance of Relay-Networks over Nakagami-m Channels. , 2019, , .		2
1428	Distributed Global Optimization by Annealing. , 2019, , .		2
1429	Neyman-Pearson Criterion Based Optimal Hierarchical Caching over D2D Wireless Ad-Hoc Networks. , 2019, , .		2
1430	On the Time-Varying Distributions of Online Stochastic Optimization. , 2019, , .		2
1431	Secure Storage Capacity Under Rate Constraints—Continuity and Super Activation. IEEE Transactions on Information Forensics and Security, 2020, 15, 959-970.	6.9	2
1432	A Systematic Approach to Deriving the Covariance Matrix of Correlated Nakagami-m Fading Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 1612-1625.	6.3	2
1433	Deterministic Multiple Change-Point Detection with Limited Communication. , 2020, , .		2
1434	Incremental ADMM with Privacy-Preservation for Decentralized Consensus Optimization. , 2020, , .		2
1435	A Power Control Problem for a Dual Communication-Radar System Facing a Jamming Threat. , 2020, , .		2
1436	On Distributed Stochastic Gradient Algorithms for Global Optimization. , 2020, , .		2
1437	User Preference Aware Lossless Data Compression at the Edge. IEEE Transactions on Communications, 2020, 68, 3792-3807.	7.8	2
1438	Latency-Minimized Design of secure transmissions in UAV-Aided Communications. , 2020, , .		2
1439	A Bayesian Approach to Sequential Change Detection and Isolation Problems. IEEE Transactions on Information Theory, 2021, 67, 1796-1803.	2.4	2
1440	Optimized Shallow Neural Networks for Sum-Rate Maximization in Energy Harvesting Downlink Multiuser NOMA Systems. IEEE Journal on Selected Areas in Communications, 2021, 39, 982-997.	14.0	2

#	Article	IF	Citations
1441	AoI-Driven Statistical Delay and Error-Rate Bounded QoS Provisioning for URLLC in the Finite Blocklength Regime. , 2021, , .		2
1442	Distributionally Robust Optimization for Peak Age of Information Minimization in E-Health IoT. , 2021, , .		2
1443	Algorithmic Detection of Adversarial Attacks on Message Transmission and ACK/NACK Feedback. , 2021, , .		2
1444	Real Number Signal Processing can Detect Denial-of-Service Attacks. , 2021, , .		2
1445	Turing Meets Shannon: Algorithmic Constructability of Capacity-Achieving Codes. , 2021, , .		2
1446	AoI-Driven Statistical Delay and Error-Rate Bounded QoS Provisioning for URLLC Over Wireless Networks in the Finite Blocklength Regime. , 2021, , .		2
1447	Arbitrarily Varying Channelsâ€"A Model for Robust Communication in the Presence of Unknown Interference. Signals and Communication Technology, 2016, , 259-283.	0.5	2
1448	MMSE Bounds Under Kullbackâ€"Leibler Divergence Constraints on the Joint Input-Output Distribution. , 2020, , .		2
1449	Analyzing Social Distancing and Seasonality of COVID-19 with Mean Field Evolutionary Dynamics. , 2020, , .		2
1450	Joint Resource Allocation Optimization Over Energy Harvesting Based 6G THz-Band Big-Data-Driven Nano-Networks. , 2020, , .		2
1451	A refined consumer behavior model for energy systems: Application to the pricing and energy-efficiency problems. Applied Energy, 2022, 308, 118239.	10.1	2
1452	User Scheduling in Federated Learning over Energy Harvesting Wireless Networks. , 2021, , .		2
1453	Primal Dual PPO Learning Resource Allocation in Indoor IRS-Aided Networks. , 2021, , .		2
1454	RIS-Aided Zero-Forcing and Regularized Zero-Forcing Beamforming in Integrated Information and Energy Delivery. IEEE Transactions on Wireless Communications, 2022, 21, 5500-5513.	9.2	2
1455	Statistical Modeling of Energy Harvesting in Hybrid PLC-WLC Channels. Sustainability, 2022, 14, 442.	3.2	2
1456	Massive-MIMO Channel Capacity Modeling for mURLLC Over 6G UAV Mobile Wireless Networks. , 2022, , .		2
1457	Identifying the Superspreader in Proactive Backward Contact Tracing by Deep Learning. , 2022, , .		2
1458	Multiple-Access Based UAV Communications and Trajectory Tracking Over 6G Mobile Wireless Networks. , 2022, , .		2

#	Article	IF	Citations
1459	Massive-MIMO Based Statistical QoS Provisioning for mURLLC Over 6G UAV Mobile Wireless Networks. , 2022, , .		2
1460	A DFTâ€based method for estimating interharmonics in wind power generation. IET Smart Grid, 0, , .	2.2	2
1461	An Anti-Jamming Multiple Access Channel Game Using Latency as Metric. IEEE Wireless Communications Letters, 2022, 11, 1800-1804.	5.0	2
1462	Meta-Material Sensor Based Internet of Things: Design, Optimization, and Implementation. IEEE Transactions on Communications, 2022, 70, 5645-5662.	7.8	2
1463	Robust systemâ€parameter identification: The influence functional approach. International Journal of Robust and Nonlinear Control, 1992, 2, 223-237.	3.7	1
1464	Linear interpolation models for rapidly-sampled data. Stochastic Models, 1998, 14, 867-882.	0.3	1
1465	Blind Multiuser Detection in Multirate CDMA Based on Cyclic LMS Adaptation. Wireless Personal Communications, 2003, 27, 293-320.	2.7	1
1466	Optimal and Suboptimal Linear Receivers for Impulse Radio UWB Systems. , 2006, , .		1
1467	Performance Comparison of Energy-Efficient Power Control for CDMA and Multiuser UWB Networks. , 2007, , .		1
1468	Reduced-feedback opportunistic scheduling and beamforming with GMD for MIMO-OFDMA. , 2008, , .		1
1469	Performance analysis of a cross-layer collaborative beamforming approach in the presence of channel and phase errors. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	1
1470	Expected message delivery time for small-world networks in the continuum limit. , 2008, , .		1
1471	Secure relaying: Can publicly transferred keys increase degrees of freedom?. , 2009, , .		1
1472	Collaborative training in sensor networks: A graphical model approach. , 2009, , .		1
1473	Widely-linear filtering and non-cooperative transceiver optimization in wireless data networks. , 2009, , .		1
1474	Identification over multiple databases. , 2009, , .		1
1475	A distributed MAC scheme supporting voice services in mobile <i>ad hoc</i> networks. Wireless Communications and Mobile Computing, 2010, 10, 547-558.	1.2	1
1476	Outlier elimination for robust ellipse and ellipsoid fitting. , 2009, , .		1

#	Article	IF	Citations
1477	Joint data detection and channel estimation for OFDM systems in the presence of very high mobility. , 2009, , .		1
1478	A vector generalization of Costa entropy-power inequality and applications. , 2009, , .		1
1479	Shifted Successive Decode-and-Forward Relaying: Towards the Optimal Diversity-Multiplexing Tradeoff for a Four-Node Cooperative Network. , 2010, , .		1
1480	On minimax robust detection of stationary Gaussian signals in white Gaussian noise. , 2010, , .		1
1481	Application of LDGM-LDPC codes to secrecy coding for the type-II binary symmetric wiretap channel. , 2010, , .		1
1482	Stationary point variational Bayesian attribute-distributed sparse learning with ℓ_1 sparsity constraints. , 2011, , .		1
1483	Improving aggregated forecasts of probability. , 2011, , .		1
1484	Polynomial-Time Decodable Codes for Multiple Access Channels. IEEE Communications Letters, 2011, 15, 73-75.	4.1	1
1485	Half-duplex relaying based on quantize-and-forward. , 2011, , .		1
1486	Capacity for MIMO Gaussian interference channels with generally strong and noisy interference. , 2012, , .		1
1487	Twitter vs. printed English: An information-theoretic comparison. , 2012, , .		1
1488	On the decentralized management of scrambling codes in small cell networks. , 2012, , .		1
1489	On the Heegard-Berger problem with common reconstruction constraints. , 2012, , .		1
1490	Distributed estimation in multi-agent networks. , 2012, , .		1
1491	Dimension expansion and customized spring potentials for sensor localization. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	1
1492	Distributed iterative time slot allocation for spectrum sensing information sharing in cognitive radio ad hoc networks. , 2013, , .		1
1493	On a consistent procedure for distributed recursive nonlinear least-squares estimation. , 2013, , .		1
1494	Quick search for rare events through adaptive group sampling. , 2013, , .		1

#	Article	IF	Citations
1495	Decentralized interference channels with noisy feedback possess Pareto optimal Nash equilibria. , 2014, , .		1
1496	Mobile social networks [Guest Editorial]. IEEE Wireless Communications, 2014, 21, 8-9.	9.0	1
1497	User Pairing in Non-Orthogonal Multiple Access Downlink Transmissions. , 2014, , .		1
1498	Wireless Information and Power Transfer in Multi-Way Relay Networks with Massive MIMO. , 2014, , .		1
1499	Smart grid energy management for a shared facility controller with renewables. , 2015, , .		1
1500	Cooperation and storage tradeoffs in power-grids under DC power flow constraints and inefficient storage. , 2015, , .		1
1501	On limiting expressions for the capacity region of Gaussian interference channels. , 2015, , .		1
1502	Outage performance of uplink two-tier networks under backhaul constraint. , 2015, , .		1
1503	On MMSE properties of codes for the Gaussian broadcast channel with confidential messages. , 2015, , .		1
1504	On the design of relay-assisted primary-secondary networks. , 2015, , .		1
1505	Minimizing the routing delay in cognitive radios using potential fields. , 2015, , .		1
1506	Heterogeneous cloud radio access networks [Guest Editorial]. IEEE Wireless Communications, 2015, 22, 12-13.	9.0	1
1507	An H<inf>&#x221E;</inf> design for dynamic pricing in the smart grid. , 2015, , .		1
1508	On the applications of the minimum mean p-th error (MMPE) to information theoretic quantities. , 2016, , .		1
1509	On communications through a Gaussian noise channel with an MMSE disturbance constraint. , 2016, , .		1
1510	Decentralized MMSE attacks in electricity grids. , 2016, , .		1
1511	K-user degraded broadcast channel with secrecy outside a bounded range. , 2016, , .		1
1512	A polynomial-time method to find the sparsest unobservable attacks in power networks. , 2016, , .		1

#	Article	IF	Citations
1513	Wireless energy harvesting massive MIMO relays. , 2016, , .		1
1514	Physical-Layer Security with Delayed, Hybrid, and Alternating Channel State Knowledge. , 0, , 200-230.		1
1515	Fundamental limits of a dense IoT cell in the uplink. , 2017, , .		1
1516	Joint Pushing and Caching Based on Physical Layer Multicasting and Network Coding. , 2017, , .		1
1517	Secrecy Throughput of Wireless Interference Networks with Uncertain Channel State Information. , 2017, , .		1
1518	On the equality condition for the I-MMSE proof of the entropy power inequality. , 2017, , .		1
1519	Trust Degree Based Beamforming for Multi-Antenna Cooperative Communication Systems. , 2017, , .		1
1520	Best-Response Dynamics in Continuous Potential Games: Non-Convergence to Saddle Points. , 2018, , .		1
1521	A Stackelberg Game Approach to Large-Scale Edge Caching. , 2018, , .		1
1522	On Lossy Compression of Generalized Gaussian Sources. , 2018, , .		1
1523	Privacy Amplification: Recent Developments and Applications. , 2018, , .		1
1524	Capacity of the Vector Gaussian Channel in the Small Amplitude Regime. , 2018, , .		1
1525	Tight MMSE Bounds for the AGN Channel Under KL Divergence Constraints on the Input Distribution. , 2018, , .		1
1526	Tradeoff of Content Sharing Efficiency and Secure Transmission in Coded Caching Systems. , 2018, , .		1
1527	A Novel Online Convex Optimization Algorithm Based on Virtual Queues. , 2018, , .		1
1528	Optimal Renewable Penetration in Energy Procurement and Demand Response. , 2018, , .		1
1529	Impact of Strong Spatial Correlation on the Capacity Scaling of Massive MIMO. , 2019, , .		1
1530	Non-Asymptotic Performance for Finite Blocklength Coding Over Nakagami-m Channels. , 2019, , .		1

#	Article	IF	Citations
1531	Guest Editorial Special Issue on Low-Latency High-Reliability Communications for the IoT. IEEE Internet of Things Journal, 2019, 6, 7811-7815.	8.7	1
1532	Properties of the Conditional Mean Estimator in Poisson Noise. , 2019, , .		1
1533	Minimum-Energy and Error-Rate for URLLC Networks over Nakagami-m Channels: A Finite-Blocklength Analysis. , 2019, , .		1
1534	OFDM-IM-Based Spectrum Sharing for Cognitive Radio Networks. , 2019, , .		1
1535	mmWave-MIMO Based 5G Wireless Ad-Hoc Networks in the Finite Blocklength Regime. , 2019, , .		1
1536	Reinforcement-Learning-Aided Detector for Time-Varying MIMO Systems with One-Bit ADCs. , 2019, , .		1
1537	Variable-length compression and secrecy by design. , 2019, , .		1
1538	On Stability of Linear Estimators in Poisson Noise. , 2019, , .		1
1539	Some Aspects of Totally Positive Kernels Useful in Information Theory. , 2019, , .		1
1540	Biometric and Physical Identifiers with Correlated Noise for Controllable Private Authentication. , 2020, , .		1
1541	A dCDD-Based Transmit Diversity for NOMA Systems. , 2020, , .		1
1542	Robust Power Allocation for Parallel Gaussian Channels With Approximately Gaussian Input Distributions. IEEE Transactions on Wireless Communications, 2020, 19, 3685-3699.	9.2	1
1543	Malicious Experts Versus the Multiplicative Weights Algorithm in Online Prediction. IEEE Transactions on Information Theory, 2021, 67, 559-565.	2.4	1
1544	Optimal Adversarial Policies in the Multiplicative Learning System With a Malicious Expert. IEEE Transactions on Information Forensics and Security, 2021, 16, 2276-2287.	6.9	1
1545	Differentially Private Federated Learning: Algorithm, Analysis and Optimization. Studies in Computational Intelligence, 2021, , 51-78.	0.9	1
1546	Federated Learning in 6G Mobile Wireless Networks. Computer Communications and Networks, 2021, , 359-378.	0.8	1
1547	Shallow Reinforcement Learning for Energy Harvesting Communications With Imperfect Channel Knowledge. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 1258-1271.	10.8	1
1548	Statistical Bounded Age-Of-Information for mURLLC Over 6G Multimedia Wireless Networks. , 2021, , .		1

#	Article	IF	Citations
1549	Finite-Sample Bounds on the Accuracy of Plug-In Estimators of Fisher Information. Entropy, 2021, 23, 545.	2.2	1
1550	Optimal Resource Allocation for Statistical QoS Provisioning in Supporting mURLLC Over FBC-Driven 6G Terahertz Wireless Nano-Networks. , 2021, , .		1
1551	Performance Optimization of Distributed Primal-Dual Algorithms over Wireless Networks. , 2021, , .		1
1552	Belief and Opinion Evolution in Social Networks: A High-Dimensional Mean Field Game Approach. , 2021, , .		1
1553	Joint Optimization and Tradeoff Modeling for Peak AoI and Delay-Bound Violation Probabilities Over URLLC-Enabled Wireless Networks Using FBC. , 2021, , .		1
1554	Communication Over Block Fading Channels â€" An Algorithmic Perspective On Optimal Transmission Schemes. , 2021, , .		1
1555	Wireless Caching: Making Radio Access Networks More than Bit-Pipelines. Network, 2021, 1, 146-164.	2.4	1
1556	A Stochastic Non-Cooperative Game for Energy Efficiency in Wireless Data Networks. Signals and Communication Technology, 2007, , 135-150.	0.5	1
1557	User Preference Aware Lossy Data Compression for Edge Caching. , 2020, , .		1
1558	Message Authentication: Information Theoretic Bounds. , 2009, , 335-353.		1
1559	Online Learning to Precode for FDD Massive MIMO Systems. , 2020, , .		1
1560	An Inequality for Bayesian Bregman Risks With Applications in Directional Estimation. , 2021, , .		1
1561	Minimization of Age of Information for Monitoring Realistic Physical Processes in Unmanned Aerial Vehicle Networks. , 2021, , .		1
1562	Guest Editorial Special Issue on Distributed Learning Over Wireless Edge Networksâ€"Part I. IEEE Journal on Selected Areas in Communications, 2021, 39, 3575-3578.	14.0	1
1563	Joint Active and Passive Secure Precoding in IRS-Aided MIMO Systems. , 2021, , .		1
1564	Achieving Extremely Low Latency: Joint Finite-Blocklength Coding over Multiple Users in Downlinks. , 2021, , .		1
1565	Statistical Delay and Error-Rate Bounded QoS Control for mURLLC Over 6G Multimedia Mobile Wireless Networks in the Non-Asymptotic Regime. , 2022, , .		1
1566	Federated Stochastic Gradient Descent Begets Self-Induced Momentum. , 2022, , .		1

#	Article	IF	Citations
1567	Hybrid Power Line/Wireless System With Optimal Subcarrier Permutation Under Uniform or Optimal Power Allocation. IEEE Internet of Things Journal, 2022, 9, 23915-23926.	8.7	1
1568	Cyclic-Prefixed Single-Carrier Transmission with Reconfigurable Intelligent Surfaces. , 2022, , .		1
1569	Decentralized Sequential Detection with a Fusion Center Performing the Sequential Test. , 1992, , .		0
1570	State encoding of Hidden Markov linear prediction models. Journal of Communications and Networks, 1999, 1, 153-157.	2.6	0
1571	Special issue on signal processing for wireless communications. Journal of Communications and Networks, 2001, 3, 193-195.	2.6	0
1572	Guest Editorial: Signal Processing for Wireless Communication Systems. Journal of Signal Processing Systems, 2002, 30, 5-6.	1.0	0
1573	Multiuser Detection for Out-of-Cell Cochannel Interference Mitigation in the ISâ€"95 Downlink. Journal of Signal Processing Systems, 2002, 30, 217-233.	1.0	0
1574	Multiple-Access Interference Mitigation in Ultra Wideband Systems. , 2005, , 227-253.		0
1575	Compound multiple access channels with conferencing decoders. , 2008, , .		0
1576	Coding schemes for confidential communications. , 2008, , .		0
1577	On the asymptotic behavior of selfish transmitters sharing a common channel. , 2008, , .		0
1578	On two-way relaying with quantized CSIT. , 2009, , .		0
1579	K-user fading interference channels: The ergodic very strong case. , 2009, , .		0
1580	Limits on the robustness of MIMO joint source-channel codes. , 2009, , .		0
1581	Analog Source Exchange with the Help of a Relay. , 2009, , .		0
1582	Secret Communication Under Channel Uncertainty. , 2009, , 113-141.		0
1583	Transmitter optimization, widely-linear detection, and power control for energy-efficient networks: A game-theoretic approach. , 2009, , .		0
1584	A Monte-Carlo implementation of the SAGE algorithm for joint soft multiuser and channel parameter estimation. , 2009, , .		0

#	Article	IF	Citations
1585	Blind Multiuser Detection in Fading Channels. , 0, , 127-187.		0
1586	UWB Localization Algorithms. , 0, , 73-84.		0
1587	Attribute-distributed learning: The iterative covariance optimization algorithm and its applications. , 2010, , .		0
1588	Noise enhanced detection in the restricted Bayesian framework. , 2010, , .		0
1589	An explicit construction of concatenated codes for multiple access channels. , 2010, , .		0
1590	A Reduced Feedback Precoder for Cooperative Relay Networks. , 2010, , .		0
1591	Self-organized spectrum sharing in large MIMO multiple-access channels. , 2010, , .		0
1592	Joint channel estimation and equalization for OFDM based broadband communications in rapidly varying mobile channels. , 2010, , .		0
1593	A cross-validation approach to trajectory and shape reconstruction for rigid bodies. , 2010, , .		0
1594	Energy-distortion tradeoff with multiple sources and feedback. , 2010, , .		0
1595	Coset codes for multiple access channels with common information based on LDPC codes. , 2010, , .		0
1596	Performance analysis of linear codes under maximum likelihood decoding at low rates. , 2010, , .		0
1597	Trellis coding for spatial modulation. , 2011, , .		0
1598	Consensus clustering: The Filtered Stochastic Best-One-Element-Move Algorithm. , 2011, , .		0
1599	Distributed Opportunistic Scheduling for Cooperative Networking. , 2011, , .		0
1600	A distributed spring model algorithm for sensor localization using dimension expansion and hyperbolic tangential force. , 2011, , .		0
1601	Partial group decoding for interference channels. , 2011, , .		0
1602	SNEED: Enhancing Network Security Services Using Network Coding and Joint Capacity. , 2011, , .		0

#	Article	IF	Citations
1603	Diversity Gain Analysis of Best Terminal Selection for Single-Input Multiple-Output WPAN Systems. , 2011, , .		0
1604	Coordination limits in MIMO networks. , 2011, , .		0
1605	Competitive privacy in the smart grid. , 2012, , .		0
1606	Identifying online communities of interest using side information. , 2012, , .		0
1607	Cost of proportional fairness in multiuser networks. , 2012, , .		0
1608	Increasing the information-theoretic secrecy by cooperative relaying and jamming. , 2012, , .		0
1609	Special issue on green radio. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	0
1610	MIMO Gaussian broadcast channels with private and confidential messages and with receiver side information. , 2013, , .		0
1611	The Central Detection Officer problem: SALSA detector and performance guarantees. , 2013, , .		0
1612	Relay-mapper aided multi-user lattice coding for the multiple-access relay channel. , 2013, , .		0
1613	Adaptive block sampling for spectrum sensing. , 2013, , .		0
1614	Quick Spectrum Access via Block Sampling. , 2013, , .		0
1615	Compressive anomaly detection in large networks. , 2013, , .		0
1616	Dynamic resource allocation in cognitive radio relay networks using sequential auctions*. , 0, , 333-351.		0
1617	Protocol design and stability analysis of cooperative cognitive radio users. , 2014, , .		0
1618	Secrecy capacity of heterogeneous distributed storage systems. , 2014, , .		0
1619	Opportunistic detection rules. , 2014, , .		0
1620	Interference masking for secure wireless broadcast communications. IET Communications, 2014, 8, 1184-1197.	2.2	0

#	Article	IF	Citations
1621	Reflections on Excellence in Research and Education in Signal Processing [Reflections]. IEEE Signal Processing Magazine, 2014, 31, 138-140.	5.6	0
1622	Secrecy degrees of freedom of wireless X networks using artificial noise alignment. , 2015, , .		0
1623	The likelihood encoder with applications to lossy compression and secrecy. , 2015, , .		0
1624	Hypergraph based three-dimensional matching in wireless distributed storage over D2D links. , 2016, , .		0
1625	A data processing architecture for realtime decoding of extremely long LDPC codes. , 2016, , .		0
1626	Nonparametric composite outlier detection. , 2016, , .		0
1627	Multiple key generation with restricted public discussion structure. , 2016, , .		0
1628	Quickest search over correlated sequences with model uncertainty. , 2016, , .		0
1629	On channel dispersion per unit cost. , 2016, , .		0
1630	Guiding blind transmitters for K-user MISO interference relay channels with Imperfect channel knowledge. , 2016, , .		0
1631	Using compression codes in compressed sensing. , 2016, , .		0
1632	Secure Source Coding. , 0, , 51-76.		0
1633	MIMO Wiretap Channels. , 0, , 140-180.		0
1634	MISO Wiretap Channel with Strictly Causal CSI: A Topological Viewpoint. , 0, , 181-199.		0
1635	The Discrete Memoryless Arbitrarily Varying Wiretap Channel. , 0, , 258-312.		0
1636	Super-Activation as a Unique Feature of Secure Communication over Arbitrarily Varying Channels. , 0, , 313-330.		0
1637	Networked Secure Source Coding. , 0, , 77-106.		0
1638	Privacy in the Smart Grid: Information, Control, and Games. , 0, , 499-518.		0

#	Article	IF	Citations
1639	Minimum entropy pursuit: Noise analysis. , 2017, , .		0
1640	User request prediction increases energy efficiency in AWGN channels : (Invited paper). , 2017, , .		0
1641	Outer bounds for Gaussian multiple access channels with state known at one encoder. , 2017, , .		0
1642	Convex Quadratic Programming for Maximizing Sum Throughput in MIMO-NOMA Multicell Networks. , 2017, , .		0
1643	Approximate Nash Region of the Gaussian Interference Channel with Noisy Output Feedback. , 2018, , .		0
1644	A Unified Framework for Caching in Arbitrary Networks. , 2018, , .		0
1645	Group Paging for Massive Machine-Type Communications with Diverse Access Requirements. , 2018, , .		0
1646	On the Equivalence of <tex>f</tex>-Divergence Balls and Density Bands in Robust Detection. , 2018, , .		0
1647	Probabilistic Modeling of Pseudorabies Virus Infection in a Neural Circuit. Journal of Computational Biology, 2018, 25, 1231-1246.	1.6	0
1648	Fast Data-Driven Sensitivity Measurement for Wireless Receivers. , 2019, , .		0
1649	Statistical QoS Provisioning for Energy Harvesting Based 5G Mobile Wireless Networks using Finite Blocklength Coding. , 2019, , .		0
1650	Tight Bounds on the Weighted Sum of MMSEs with Applications in Distributed Estimation. , 2019, , .		0
1651	Outage Analysis of Distributed CDD Systems with Mixture Interference. , 2019, , .		0
1652	Reinforcement Learning Based QoS-Provisioning over Energy-Harvesting 5G Wireless Ad-Hoc Networks. , 2019, , .		0
1653	A Learning-to-Infer Method for Real-Time Power Grid Multi-Line Outage Identification. , 2019, , .		0
1654	Optimal QoS-Driven Power Allocation for Energy Harvesting Wireless Ad-Hoc Networks Using FBC. , 2019, , .		0
1655	Smooth Fictitious Play in N Ã— 2 Potential Games. , 2019, , .		0
1656	Scaling Law Based D2D Wireless Ad-Hoc Networks in the Finite Blocklength Regime. , 2019, , .		0

#	Article	IF	Citations
1657	On Nonparametric Estimation of the Fisher Information. , 2020, , .		0
1658	On the Ïµ-Capacity of Finite Compound Channels with Applications to the Strong Converse and Second Order Coding Rate. , 2020, , .		0
1659	An Empirical Bayes Approach to Partially Labeled and Shuffled Data Sets. , 2020, , .		0
1660	Sum-Throughput Maximization for NOMA-Based WPCN with Signal Alignment. , 2020, , .		0
1661	Ieee Access Special Section Editorial: Advances in Signal Processing for Non-Orthogonal Multiple Access. IEEE Access, 2020, 8, 149214-149219.	4.2	0
1662	An Efficient Neural Network Architecture for Rate Maximization in Energy Harvesting Downlink Channels. , 2020, , .		0
1663	On the Algorithmic Computability of Achievability and Converse: Ïµ-Capacity of Compound Channels and Asymptotic Bounds of Error-Correcting Codes. , 2020, , .		0
1664	Risk Optimization for Revenue-Driven Wireless Video Broadcasting Systems: A Copula-Based Framework. IEEE Transactions on Multimedia, 2021, 23, 1757-1771.	7.2	0
1665	Achievable Rate Analysis of Millimeter Wave Channels Using Random Coding Error Exponents. IEEE Transactions on Wireless Communications, 2022, 21, 250-263.	9.2	0
1666	Compressed Sensing via Compression Codes. , 2021, , 72-103.		0
1667	Statistical Delay and Error-Rate Bounded QoS Provisioning for SWIPT Over CF M-MIMO Based IoT Networks Using FBC. , 2021, , .		0
1668	Spatio-temporal Modeling for Large-scale Vehicular Networks Using Graph Convolutional Networks. , 2021, , .		0
1669	Hybrid-ARQ Schemes for Reliable and Secret Wireless Communications. , 2009, , 89-112.		0
1670	Broadcast Channels with Confidential Messages: Channel Uncertainty, Robustness, and Continuity. Lecture Notes in Electrical Engineering, 2016, , 69-91.	0.4	0
1671	Privacy in Networks of Interacting Agents. Lecture Notes in Control and Information Sciences - Proceedings, 2018, , 259-268.	0.1	0
1672	Editorial: IET Smart Grid. IET Smart Grid, 2019, 2, 1-1.	2.2	0
1673	Enhancing physical layer security via channel feedback: a survey. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	0
1674	Turing Meets Shannon: On the Algorithmic Construction of Channel-Aware Codes. IEEE Transactions on Communications, 2022, 70, 2256-2267.	7.8	0

#	Article	IF	Citations
1675	Guest Editorial Special Issue on Distributed Learning Over Wireless Edge Networksâ€"Part II. IEEE Journal on Selected Areas in Communications, 2022, 40, 445-448.	14.0	0
1676	Guest Editorial Advanced Signal Processing for Local and Private 5G Networks. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 2-6.	10.8	0
1677	Physical Layer Security Optimization for MIMO Enabled Visible Light Communication Networks. , 2021, .		0
1678	Convergence Time Minimization for Federated Reinforcement Learning over Wireless Networks. , 2022, , .		0
1679	Robust Group Anomaly Detection for Quasi-Periodic Network Time Series. IEEE Transactions on Network Science and Engineering, 2022, 9, 2833-2845.	6.4	0
1680	Opinion Evolution in Social Networks: Connecting Mean Field Games to Generative Adversarial Nets. IEEE Transactions on Network Science and Engineering, 2022, 9, 2734-2746.	6.4	0