H Vincent Poor

List of Publications by Year
in descending order

1,680 papers	79,037 citations	588 125 h-index	1136 230 g-index
1684 all docs	1684 docs citations	1684 times ranked	28212 citing authors

#	Article	IF	Citations
1	Dynamic UAV Deployment for Differentiated Services: A Multi-Agent Imitation Learning Based Approach. IEEE Transactions on Mobile Computing, 2023, 22, 2131-2146.	3.9	53
2	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.	3.9	21
3	Minimizing the Age-of-Critical-Information: An Imitation Learning-Based Scheduling Approach Under Partial Observations. IEEE Transactions on Mobile Computing, 2022, 21, 3225-3238.	3.9	41
4	Achievable Rate Analysis of Millimeter Wave Channels Using Random Coding Error Exponents. IEEE Transactions on Wireless Communications, 2022, 21, 250-263.	6.1	0
5	Intelligent Omni-Surfaces: Ubiquitous Wireless Transmission by Reflective-Refractive Metasurfaces. IEEE Transactions on Wireless Communications, 2022, 21, 219-233.	6.1	71
6	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.	3.5	16
7	Convergence of Federated Learning Over a Noisy Downlink. IEEE Transactions on Wireless Communications, 2022, 21, 1422-1437.	6.1	29
8	Detection of Spatially Modulated Signals via RLS: Theoretical Bounds and Applications. IEEE Transactions on Wireless Communications, 2022, 21, 2291-2304.	6.1	4
9	Fundamentals of Physical Layer Anonymous Communications: Sender Detection and Anonymous Precoding. IEEE Transactions on Wireless Communications, 2022, 21, 64-79.	6.1	16
10	Joint LED Selection and Precoding Optimization for Multiple-User Multiple-Cell VLC Systems. IEEE Internet of Things Journal, 2022, 9, 6003-6017.	5.5	9
11	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.	3.9	17
12	Federated Learning Over Energy Harvesting Wireless Networks. IEEE Internet of Things Journal, 2022, 9, 92-103.	5.5	34
13	Joint User Grouping, Version Selection, and Bandwidth Allocation for Live Video Multicasting. IEEE Transactions on Communications, 2022, 70, 350-365.	4.9	5
14	Enhanced User Grouping and Power Allocation for Hybrid mmWave MIMO-NOMA Systems. IEEE Transactions on Wireless Communications, 2022, 21, 2034-2050.	6.1	13
15	Energy-Efficient Wireless Communications With Distributed Reconfigurable Intelligent Surfaces. IEEE Transactions on Wireless Communications, 2022, 21, 665-679.	6.1	107
16	Nonconvex Low-Rank Tensor Completion from Noisy Data. Operations Research, 2022, 70, 1219-1237.	1.2	16
17	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.	3.3	7
18	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.	6.1	5

#	Article	IF	Citations
19	Distributed Gradient Flow: Nonsmoothness, Nonconvexity, and Saddle Point Evasion. IEEE Transactions on Automatic Control, 2022, 67, 3949-3964.	3.6	4
20	6G Internet of Things: A Comprehensive Survey. IEEE Internet of Things Journal, 2022, 9, 359-383.	5.5	366
21	Reliable and Secure Short-Packet Communications. IEEE Transactions on Wireless Communications, 2022, 21, 1913-1926.	6.1	18
22	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.	6.1	28
23	User-Level Privacy-Preserving Federated Learning: Analysis and Performance Optimization. IEEE Transactions on Mobile Computing, 2022, 21, 3388-3401.	3.9	75
24	Throughput Enhancement in FD- and SWIPT-Enabled IoT Networks Over Nonidentical Rayleigh Fading Channels. IEEE Internet of Things Journal, 2022, 9, 10172-10186.	5.5	9
25	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.	6.1	17
26	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.	2.1	5
27	Active Sampling for the Quickest Detection of Markov Networks. IEEE Transactions on Information Theory, 2022, 68, 2479-2508.	1.5	3
28	Age- and Correlation-Aware Information Gathering. IEEE Wireless Communications Letters, 2022, 11, 273-277.	3.2	5
29	Short Blocklength Process Monitoring and Scheduling: Resolution and Data Freshness. IEEE Transactions on Wireless Communications, 2022, 21, 4669-4681.	6.1	9
30	Private 5G Networks: Concepts, Architectures, and Research Landscape. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 7-25.	7.3	56
31	Ultra-Reliable and Low-Latency Wireless Communications in the High SNR Regime: A Cross-Layer Tradeoff. IEEE Transactions on Communications, 2022, 70, 149-162.	4.9	5
32	Bayesian Risk With Bregman Loss: A Cramér–Rao Type Bound and Linear Estimation. IEEE Transactions on Information Theory, 2022, 68, 1985-2000.	1.5	5
33	A Novel Wireless Communication Paradigm for Intelligent Reflecting Surface Based Symbiotic Radio Systems. IEEE Transactions on Signal Processing, 2022, 70, 550-565.	3.2	32
34	Relay-Aided Multi-User OFDM Relying on Joint Wireless Power Transfer and Self-Interference Recycling. IEEE Transactions on Communications, 2022, 70, 291-305.	4.9	4
35	Data-Driven Random Access Optimization in Multi-Cell IoT Networks Using NOMA. IEEE Transactions on Wireless Communications, 2022, 21, 4938-4953.	6.1	4
36	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.	7.3	11

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37	Hybrid Power Line/Wireless Systems: Power Allocation for Minimizing the Average Bit Error Probability. IEEE Transactions on Communications, 2022, 70, 810-821.	4.9	6
38	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.	2.5	9
39	Non-Coherent Multi-Level Index Modulation. IEEE Transactions on Communications, 2022, 70, 2240-2255.	4.9	5
40	Low-Latency Federated Learning Over Wireless Channels With Differential Privacy. IEEE Journal on Selected Areas in Communications, 2022, 40, 290-307.	9.7	21
41	A refined consumer behavior model for energy systems: Application to the pricing and energy-efficiency problems. Applied Energy, 2022, 308, 118239.	5.1	2
42	Age of Information in Energy Harvesting Aided Massive Multiple Access Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 1441-1456.	9.7	84
43	Turing Meets Shannon: On the Algorithmic Construction of Channel-Aware Codes. IEEE Transactions on Communications, 2022, 70, 2256-2267.	4.9	0
44	Next-Generation Multiple Access Based on NOMA With Power Level Modulation. IEEE Journal on Selected Areas in Communications, 2022, 40, 1072-1083.	9.7	26
45	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.	9.7	20
46	Blockchain Assisted Decentralized Federated Learning (BLADE-FL): Performance Analysis and Resource Allocation. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2401-2415.	4.0	60
47	Low-to-Zero-Overhead IRS Reconfiguration: Decoupling Illumination and Channel Estimation. IEEE Communications Letters, 2022, 26, 932-936.	2.5	24
48	Hybrid Chirp Signal Design for Improved Long-Range (LoRa) Communications. Signals, 2022, 3, 1-10.	1.2	5
49	RIS-Aided Zero-Forcing and Regularized Zero-Forcing Beamforming in Integrated Information and Energy Delivery. IEEE Transactions on Wireless Communications, 2022, 21, 5500-5513.	6.1	2
50	Hybrid NOMA Offloading in Multi-User MEC Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5377-5391.	6.1	45
51	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.	7.3	16
52	MetaSketch: Wireless Semantic Segmentation by Reconfigurable Intelligent Surfaces. IEEE Transactions on Wireless Communications, 2022, 21, 5916-5929.	6.1	9
53	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, .	3.3	9
54	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.	9.7	5

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55	Guest Editorial Special Issue on Distributed Learning Over Wireless Edge Networks—Part II. IEEE Journal on Selected Areas in Communications, 2022, 40, 445-448.	9.7	0
56	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.	3.3	6
57	Guest Editorial Advanced Signal Processing for Local and Private 5G Networks. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 2-6.	7.3	0
58	Federated Learning for 6G: Applications, Challenges, and Opportunities. Engineering, 2022, 8, 33-41.	3.2	105
59	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.	9.7	26
60	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.	3.9	12
61	Federated Learning Over Wireless IoT Networks With Optimized Communication and Resources. IEEE Internet of Things Journal, 2022, 9, 16592-16605.	5.5	35
62	Meta-Wall: Intelligent Omni-Surfaces Aided Multi-Cell MIMO Communications. IEEE Transactions on Wireless Communications, 2022, 21, 7026-7039.	6.1	18
63	Secure Transmission Design for Cooperative NOMA in the Presence of Internal Eavesdropping. IEEE Wireless Communications Letters, 2022, 11, 878-882.	3.2	9
64	Secure Active and Passive Beamforming in IRS-Aided MIMO Systems. IEEE Transactions on Information Forensics and Security, 2022, 17, 1300-1315.	4.5	14
65	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.	1.6	7
66	Mutualistic Mechanism in Symbiotic Radios: When Can the Primary and Secondary Transmissions Be Mutually Beneficial?. IEEE Transactions on Wireless Communications, 2022, 21, 8036-8050.	6.1	11
67	Delay-Phase Precoding for Wideband THz Massive MIMO. IEEE Transactions on Wireless Communications, 2022, 21, 7271-7286.	6.1	50
68	Holographic Integrated Sensing and Communication. IEEE Journal on Selected Areas in Communications, 2022, 40, 2114-2130.	9.7	28
69	Energy-Efficient Velocity Control for Massive Numbers of UAVs: A Mean Field Game Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 6266-6278.	3.9	9
70	Meta-Reinforcement Learning for Reliable Communication in THz/VLC Wireless VR Networks. IEEE Transactions on Wireless Communications, 2022, 21, 7778-7793.	6.1	5
71	Power-Efficient Passive Beamforming and Resource Allocation for IRS-Aided WPCNs. IEEE Transactions on Communications, 2022, 70, 3250-3265.	4.9	17
72	Intelligent Omni-Surfaces for Full-Dimensional Wireless Communications: Principles, Technology, and Implementation. IEEE Communications Magazine, 2022, 60, 39-45.	4.9	67

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73	Statistical Modeling of Energy Harvesting in Hybrid PLC-WLC Channels. Sustainability, 2022, 14, 442.	1.6	2
74	Simultaneously Transmitting and Reflecting Intelligent Omni-Surfaces: Modeling and Implementation. IEEE Vehicular Technology Magazine, 2022, 17, 46-54.	2.8	28
75	Convergence Time Minimization for Federated Reinforcement Learning over Wireless Networks. , 2022, , .		0
76	Massive-MIMO Channel Capacity Modeling for mURLLC Over 6G UAV Mobile Wireless Networks. , 2022, , .		2
77	Identifying the Superspreader in Proactive Backward Contact Tracing by Deep Learning. , 2022, , .		2
78	Statistical Delay and Error-Rate Bounded QoS Control for mURLLC Over 6G Multimedia Mobile Wireless Networks in the Non-Asymptotic Regime. , 2022, , .		1
79	Data‐driven detection and identification of IoT‐enabled load‐altering attacks in power grids. IET Smart Grid, 2022, 5, 203-218.	1.5	12
80	Design of THz-NOMA in the Presence of Beam Misalignment. IEEE Communications Letters, 2022, 26, 1678-1682.	2.5	7
81	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.	6.1	6
82	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.	7.3	45
83	Robust Group Anomaly Detection for Quasi-Periodic Network Time Series. IEEE Transactions on Network Science and Engineering, 2022, 9, 2833-2845.	4.1	0
84	Opinion Evolution in Social Networks: Connecting Mean Field Games to Generative Adversarial Nets. IEEE Transactions on Network Science and Engineering, 2022, 9, 2734-2746.	4.1	0
85	Deep Reinforcement Learning-Based Optimization for IRS-Assisted Cognitive Radio Systems. IEEE Transactions on Communications, 2022, 70, 3849-3864.	4.9	16
86	Context-Aware Security for 6G Wireless: The Role of Physical Layer Security. IEEE Communications Standards Magazine, 2022, 6, 102-108.	3.6	50
87	An Information-Theoretic View of Mixed-Delay Traffic in 5G and 6G. Entropy, 2022, 24, 637.	1.1	7
88	Federated Learning: A signal processing perspective. IEEE Signal Processing Magazine, 2022, 39, 14-41.	4.6	48
89	Performance Optimization for Wireless Semantic Communications over Energy Harvesting Networks. , 2022, , .		10
90	Federated Stochastic Gradient Descent Begets Self-Induced Momentum. , 2022, , .		1

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91	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.	7.3	32
92	Toward Ubiquitous Sensing and Localization With Reconfigurable Intelligent Surfaces. Proceedings of the IEEE, 2022, 110, 1401-1422.	16.4	33
93	Multiple-Access Based UAV Communications and Trajectory Tracking Over 6G Mobile Wireless Networks. , 2022, , .		2
94	Massive-MIMO Based Statistical QoS Provisioning for mURLLC Over 6G UAV Mobile Wireless Networks. , 2022, , .		2
95	A State-of-the-Art Survey on Reconfigurable Intelligent Surface-Assisted Non-Orthogonal Multiple Access Networks. Proceedings of the IEEE, 2022, 110, 1358-1379.	16.4	55
96	Review and Perspectives of Micro/Nano Technologies as Key-Enablers of 6G. IEEE Access, 2022, 10, 55428-55458.	2.6	15
97	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.	2.8	6
98	6G for Vehicle-to-Everything (V2X) Communications: Enabling Technologies, Challenges, and Opportunities. Proceedings of the IEEE, 2022, 110, 712-734.	16.4	131
99	An Anti-Jamming Multiple Access Channel Game Using Latency as Metric. IEEE Wireless Communications Letters, 2022, 11, 1800-1804.	3.2	2
100	Performance Analysis of Joint Active User Detection and Channel Estimation for Massive Connectivity. IEEE Transactions on Signal Processing, 2022, 70, 3647-3662.	3.2	6
101	Security—Reliability Tradeoff Analysis for SWIPT- and AF-Based IoT Networks With Friendly Jammers. IEEE Internet of Things Journal, 2022, 9, 21662-21675.	5.5	13
102	Physical Layer Anonymous Precoding: The Path to Privacy-Preserving Communications. IEEE Wireless Communications, 2022, 29, 154-160.	6.6	4
103	Entanglement-assisted concatenated quantum codes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	6
104	Performance Optimization for Semantic Communications: An Attention-Based Reinforcement Learning Approach. IEEE Journal on Selected Areas in Communications, 2022, 40, 2598-2613.	9.7	28
105	Hybrid Power Line/Wireless System With Optimal Subcarrier Permutation Under Uniform or Optimal Power Allocation. IEEE Internet of Things Journal, 2022, 9, 23915-23926.	5.5	1
106	Meta-Material Sensor Based Internet of Things: Design, Optimization, and Implementation. IEEE Transactions on Communications, 2022, 70, 5645-5662.	4.9	2
107	Reasoning on the Air: An Implicit Semantic Communication Architecture. , 2022, , .		13
108	Cyclic-Prefixed Single-Carrier Transmission with Reconfigurable Intelligent Surfaces. , 2022, , .		1

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109	Phase Shift Design in RIS Empowered Wireless Networks: From Optimization to AI-Based Methods. Network, 2022, 2, 398-418.	1.5	7
110	Self-adaptive Bat Algorithm With Genetic Operations. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1284-1294.	8.5	32
111	Transactive energy for low voltage residential networks: A review. Applied Energy, 2022, 323, 119556.	5.1	13
112	On Performance Comparison of Multi-Antenna HD-NOMA, SCMA, and PD-NOMA Schemes. IEEE Wireless Communications Letters, 2021, 10, 715-719.	3.2	31
113	Constrained Online Convex Optimization With Feedback Delays. IEEE Transactions on Automatic Control, 2021, 66, 5049-5064.	3.6	17
114	Load Forecasting Through Estimated Parametrized Based Fuzzy Inference System in Smart Grids. IEEE Transactions on Fuzzy Systems, 2021, 29, 156-165.	6.5	42
115	Optimizing Information Freshness in Wireless Networks: A Stochastic Geometry Approach. IEEE Transactions on Mobile Computing, 2021, 20, 2269-2280.	3.9	55
116	Online Stochastic Optimization With Time-Varying Distributions. IEEE Transactions on Automatic Control, 2021, 66, 1840-1847.	3.6	5
117	SDN-Enabled Energy-Efficient Routing Optimization Framework for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 5660-5667.	7.2	41
118	Physical Layer Security of In-Home PLC Systems: Analysis Based on a Measurement Campaign. IEEE Systems Journal, 2021, 15, 617-628.	2.9	11
119	Energy-Efficient Multi-Cell Massive MIMO Subject to Minimum User-Rate Constraints. IEEE Transactions on Communications, 2021, 69, 914-928.	4.9	15
120	A Joint Learning and Communications Framework for Federated Learning Over Wireless Networks. IEEE Transactions on Wireless Communications, 2021, 20, 269-283.	6.1	663
121	A Machine Learning Approach for Task and Resource Allocation in Mobile-Edge Computing-Based Networks. IEEE Internet of Things Journal, 2021, 8, 1358-1372.	5.5	54
122	Data-Driven False Data Injection Attacks Against Power Grids: A Random Matrix Approach. IEEE Transactions on Smart Grid, 2021, 12, 635-646.	6.2	38
123	Risk Optimization for Revenue-Driven Wireless Video Broadcasting Systems: A Copula-Based Framework. IEEE Transactions on Multimedia, 2021, 23, 1757-1771.	5.2	0
124	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
125	A variational interpretation of the Cramér–Rao bound. Signal Processing, 2021, 182, 107917.	2.1	5
126	Peer-to-peer energy systems for connected communities: A review of recent advances and emerging challenges. Applied Energy, 2021, 282, 116131.	5.1	265

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127	Malicious Experts Versus the Multiplicative Weights Algorithm in Online Prediction. IEEE Transactions on Information Theory, 2021, 67, 559-565.	1.5	1
128	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.	4.9	56
129	Cyber-enabled grids: Shaping future energy systems. Advances in Applied Energy, 2021, 1, 100003.	6.6	30
130	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.	6.1	33
131	Intelligent Reflecting Surface Assisted Anti-Jamming Communications: A Fast Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2021, 20, 1963-1974.	6.1	124
132	A Bayesian Approach to Sequential Change Detection and Isolation Problems. IEEE Transactions on Information Theory, 2021, 67, 1796-1803.	1.5	2
133	Capacity-Approaching Polar Codes With Long Codewords and Successive Cancellation Decoding Based on Improved Gaussian Approximation. IEEE Transactions on Communications, 2021, 69, 31-43.	4.9	9
134	Deep-Reinforcement-Learning-Based User Profile Perturbation for Privacy-Aware Recommendation. IEEE Internet of Things Journal, 2021, 8, 4560-4568.	5.5	29
135	Optimum Combiner for Spatially Correlated Nakagami-m Fading Channels. IEEE Transactions on Wireless Communications, 2021, 20, 771-784.	6.1	4
136	On the Latency, Rate, and Reliability Tradeoff in Wireless Networked Control Systems for IIoT. IEEE Internet of Things Journal, 2021, 8, 723-733.	5.5	40
137	Enabling AI in Future Wireless Networks: A Data Life Cycle Perspective. IEEE Communications Surveys and Tutorials, 2021, 23, 553-595.	24.8	75
138	Energy-Efficient Data Dissemination Using a UAV: An Ant Colony Approach. IEEE Wireless Communications Letters, 2021, 10, 16-20.	3.2	17
139	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.	9.7	25
140	Differentially Private ADMM for Regularized Consensus Optimization. IEEE Transactions on Automatic Control, 2021, 66, 3718-3725.	3.6	8
141	A Unified Framework for SINR Analysis in Poisson Networks With Traffic Dynamics. IEEE Transactions on Communications, 2021, 69, 326-339.	4.9	15
142	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.	9.7	2
143	Orthogonal Chirp-Division Multiplexing for Power Line Sensing via Time-Domain Reflectometry. IEEE Sensors Journal, 2021, 21, 955-964.	2.4	15
144	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.	4.5	8

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145	Diffusion Bayesian Subband Adaptive Filters for Distributed Estimation Over Sensor Networks. IEEE Transactions on Communications, 2021, 69, 6909-6925.	4.9	7
146	Optimal Adversarial Policies in the Multiplicative Learning System With a Malicious Expert. IEEE Transactions on Information Forensics and Security, 2021, 16, 2276-2287.	4.5	1
147	Age of Information Minimization for Grant-Free Non-Orthogonal Massive Access Using Mean-Field Games. IEEE Transactions on Communications, 2021, 69, 7806-7820.	4.9	19
148	Matrix-Monotonic Optimization $-$ Part II: Multi-Variable Optimization. IEEE Transactions on Signal Processing, 2021, 69, 179-194.	3.2	14
149	UVeQFed: Universal Vector Quantization for Federated Learning. IEEE Transactions on Signal Processing, 2021, 69, 500-514.	3.2	100
150	A Novel Framework for the Analysis and Design of Heterogeneous Federated Learning. IEEE Transactions on Signal Processing, 2021, 69, 5234-5249.	3.2	33
151	Physical Layer Security: Authentication, Integrity, and Confidentiality. , 2021, , 129-150.		37
152	Advantages of NOMA for Multi-User BackCom Networks. IEEE Communications Letters, 2021, 25, 3408-3412.	2.5	13
153	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.	3.5	11
154	5G-Enabled UAV-to-Community Offloading: Joint Trajectory Design and Task Scheduling. IEEE Journal on Selected Areas in Communications, 2021, 39, 3306-3320.	9.7	70
155	Indoor Localization Using Data Augmentation via Selective Generative Adversarial Networks. IEEE Access, 2021, 9, 98337-98347.	2.6	29
156	Minimax Robust Detection: Classic Results and Recent Advances. IEEE Transactions on Signal Processing, 2021, 69, 2252-2283.	3.2	11
157	Compressed Sensing via Compression Codes. , 2021, , 72-103.		0
158	Differentially Private Federated Learning: Algorithm, Analysis and Optimization. Studies in Computational Intelligence, 2021, , 51-78.	0.7	1
159	MPC-Based UAV Navigation for Simultaneous Solar-Energy Harvesting and Two-Way Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 3459-3474.	9.7	18
160	Federated Learning in 6G Mobile Wireless Networks. Computer Communications and Networks, 2021, , 359-378.	0.8	1
161	Shallow Reinforcement Learning for Energy Harvesting Communications With Imperfect Channel Knowledge. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 1258-1271.	7.3	1
162	Sample, Quantize, and Encode: Timely Estimation Over Noisy Channels. IEEE Transactions on Communications, 2021, 69, 6485-6499.	4.9	15

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163	On Privacy of Dynamical Systems: An Optimal Probabilistic Mapping Approach. IEEE Transactions on Information Forensics and Security, 2021, 16, 2608-2620.	4.5	9
164	On Covert Communication Against Sequential Change-Point Detection. IEEE Transactions on Information Theory, 2021, 67, 7285-7303.	1.5	3
165	A New QoS-Guarantee Strategy for NOMA Assisted Semi-Grant-Free Transmission. IEEE Transactions on Communications, 2021, 69, 7489-7503.	4.9	36
166	Federated Learning With Unreliable Clients: Performance Analysis and Mechanism Design. IEEE Internet of Things Journal, 2021, 8, 17308-17319.	5.5	16
167	Channel Estimation and Equalization for Alamouti SF-Coded OFDM-UWA Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 1709-1723.	3.9	9
168	Secrecy by Design With Applications to Privacy and Compression. IEEE Transactions on Information Theory, 2021, 67, 824-843.	1.5	15
169	Resource Allocation and Beamforming Design in the Short Blocklength Regime for URLLC. IEEE Transactions on Wireless Communications, 2021, 20, 1321-1335.	6.1	57
170	A dCDD-Based Transmit Diversity Scheme for Downlink Pseudo-NOMA Systems. IEEE Transactions on Wireless Communications, 2021, 20, 1217-1232.	6.1	3
171	A Compression Perspective on Secrecy Measures. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 163-176.	1.9	6
172	Decentralized Beamforming Design for Intelligent Reflecting Surface-Enhanced Cell-Free Networks. IEEE Wireless Communications Letters, 2021, 10, 673-677.	3.2	57
173	A Tutorial on Ultrareliable and Low-Latency Communications in 6G: Integrating Domain Knowledge Into Deep Learning. Proceedings of the IEEE, 2021, 109, 204-246.	16.4	182
174	Statistical Bounded Age-Of-Information for mURLLC Over 6G Multimedia Wireless Networks. , 2021, , .		1
175	Age-of-Information for mURLLC Over 6G Multimedia Wireless Networks. , 2021, , .		6
176	DC Arc-Fault Detection Based on Empirical Mode Decomposition of Arc Signatures and Support Vector Machine. IEEE Sensors Journal, 2021, 21, 7024-7033.	2.4	65
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