Chau Yuen

List of Publications by Year
in descending order

535 papers	25,312 citations	11651 70 h-index	10158 140 g-index
538 all docs	538 docs citations	538 times ranked	14375 citing authors

#	Article	IF	Citations
1	Hierarchical Aerial Computing for Internet of Things via Cooperation of HAPs and UAVs. IEEE Internet of Things Journal, 2023, 10, 5676-5688.	8.7	25
2	Slow-Varying Dynamics-Assisted Temporal Capsule Network for Machinery Remaining Useful Life Estimation. IEEE Transactions on Cybernetics, 2023, 53, 592-606.	9.5	25
3	Localisation of Partial Discharge in Power Cables Through Multi-Output Convolutional Recurrent Neural Network and Feature Extraction. IEEE Transactions on Power Delivery, 2023, 38, 177-188.	4.3	4
4	Cost-Effective Mapping of Mobile Robot Based on the Fusion of UWB and Short-Range 2-D LiDAR. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1321-1331.	5.8	20
5	Towards Hit-Interruption Tradeoff in Vehicular Edge Caching: Algorithm and Analysis. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5198-5210.	8.0	8
6	IIoT-Enabled Health Monitoring for Integrated Heat Pump System Using Mixture Slow Feature Analysis. IEEE Transactions on Industrial Informatics, 2022, 18, 4725-4736.	11.3	15
7	Identification of Partial Discharge Through Cable-Specific Adaption and Neural Network Ensemble. IEEE Transactions on Power Delivery, 2022, 37, 1598-1607.	4.3	5
8	Blockchain and 6G: The Future of Secure and Ubiquitous Communication. IEEE Wireless Communications, 2022, 29, 194-201.	9.0	38
9	A Joint Energy and Latency Framework for Transfer Learning Over 5G Industrial Edge Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 531-541.	11.3	17
10	Towards Small AoI and Low Latency via Operator Content Platform: A Contract Theory-Based Pricing. IEEE Transactions on Communications, 2022, 70, 366-378.	7.8	8
11	Multiple-Perspective Clustering of Passive Wi-Fi Sensing Trajectory Data. IEEE Transactions on Big Data, 2022, 8, 1312-1325.	6.1	4
12	Scalable Channel Estimation and Reflection Optimization for Reconfigurable Intelligent Surface-Enhanced OFDM Systems. IEEE Wireless Communications Letters, 2022, 11, 796-800.	5.0	13
13	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
14	A Survey of Blind Modulation Classification Techniques for OFDM Signals. Sensors, 2022, 22, 1020.	3.8	9
15	Robust Max-Min Energy Efficiency for RIS-Aided HetNets With Distortion Noises. IEEE Transactions on Communications, 2022, 70, 1457-1471.	7.8	55
16	Collaborative Driving: Learning-Aided Joint Topology Formulation and Beamforming. IEEE Vehicular Technology Magazine, 2022, 17, 103-111.	3.4	9
17	Uplink Performance of Cell-Free Massive MIMO With Multi-Antenna Users Over Jointly-Correlated Rayleigh Fading Channels. IEEE Transactions on Wireless Communications, 2022, 21, 7391-7406.	9.2	25
18	RIS-Aided Wireless Communications: Extra Degrees of Freedom via Rotation and Location Optimization. IEEE Transactions on Wireless Communications, 2022, 21, 6656-6671.	9.2	25

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19	Performance improvement of mode division multiplexing free space optical communication system through various atmospheric conditions with a decision feedback equalizer. Cogent Engineering, 2022, 9, .	2.2	17
20	Securing Smart Grids Through an Incentive Mechanism for Blockchain-Based Data Sharing. , 2022, , .		5
21	Learning-Aided UAV 3D Placement and Power Allocation for Sum-Capacity Enhancement Under Varying Altitudes. IEEE Communications Letters, 2022, 26, 1633-1637.	4.1	27
22	Reconfigurable intelligent surfaces for wireless communications: Overview of hardware designs, channel models, and estimation techniques. Intelligent and Converged Networks, 2022, 3, 1-32.	4.8	132
23	Day-ahead risk averse market clearing considering demand response with data-driven load uncertainty representation: A Singapore electricity market study. Energy, 2022, 254, 123923.	8.8	12
24	Joint Channel Estimation and Signal Recovery for RIS-Empowered Multiuser Communications. IEEE Transactions on Communications, 2022, 70, 4640-4655.	7.8	49
25	Transferable Deep Reinforcement Learning Framework for Autonomous Vehicles With Joint Radar-Data Communications. IEEE Transactions on Communications, 2022, 70, 5164-5180.	7.8	12
26	Federated Spectrum Learning for Reconfigurable Intelligent Surfaces-Aided Wireless Edge Networks. IEEE Transactions on Wireless Communications, 2022, 21, 9610-9626.	9.2	8
27	Deep Reinforcement Learning Based on Location-Aware Imitation Environment for RIS-Aided mmWave MIMO Systems. IEEE Wireless Communications Letters, 2022, 11, 1493-1497.	5.0	18
28	Multiagent Deep Reinforcement Learning for Cost- and Delay-Sensitive Virtual Network Function Placement and Routing. IEEE Transactions on Communications, 2022, 70, 5208-5224.	7.8	7
29	Multi-AGV's Temporal Memory-Based RRT Exploration in Unknown Environment. IEEE Robotics and Automation Letters, 2022, 7, 9256-9263.	5.1	12
30	A Triple-Step Asynchronous Federated Learning Mechanism for Client Activation, Interaction Optimization, and Aggregation Enhancement. IEEE Internet of Things Journal, 2022, 9, 24199-24211.	8.7	21
31	Time-Varying Channel Prediction for RIS-Assisted MU-MISO Networks via Deep Learning. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1802-1815.	7.9	17
32	Multi-User Wireless Communications with Holographic MIMO Surfaces: A Convenient Channel Model and Spectral Efficiency Analysis. , 2022, , .		2
33	Transactive energy for low voltage residential networks: A review. Applied Energy, 2022, 323, 119556.	10.1	13
34	Column-Wise Element Selection for Computationally Efficient Nonnegative Coupled Matrix Tensor Factorization. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3173-3186.	5.7	5
35	A Distributed Truthful Auction Mechanism for Task Allocation in Mobile Cloud Computing. IEEE Transactions on Services Computing, 2021, 14, 628-638.	4.6	27
36	Secure Beamforming for Multiple Intelligent Reflecting Surfaces Aided mmWave Systems. IEEE Communications Letters, 2021, 25, 417-421.	4.1	25

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37	Blockchain for the Internet of Vehicles Towards Intelligent Transportation Systems: A Survey. IEEE Internet of Things Journal, 2021, 8, 4157-4185.	8.7	213
38	Intelligent Task Offloading for Heterogeneous V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2226-2238.	8.0	71
39	Peer-to-peer energy systems for connected communities: A review of recent advances and emerging challenges. Applied Energy, 2021, 282, 116131.	10.1	265
40	Micro-Doppler Signature-Based Detection, Classification, and Localization of Small UAV With Long Short-Term Memory Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6285-6300.	6.3	26
41	Offloading Optimization in Edge Computing for Deep-Learning-Enabled Target Tracking by Internet of UAVs. IEEE Internet of Things Journal, 2021, 8, 9878-9893.	8.7	78
42	Robust Beamforming for RIS-Assisted Wireless Communications With Discrete Phase Shifts. IEEE Wireless Communications Letters, 2021, 10, 2619-2623.	5.0	15
43	Channel Estimation for Intelligent Reflecting Surface Assisted Backscatter Communication. IEEE Wireless Communications Letters, 2021, 10, 2519-2523.	5.0	18
44	Energy Efficiency and Spectral Efficiency Tradeoff in RIS-Aided Multiuser MIMO Uplink Transmission. IEEE Transactions on Signal Processing, 2021, 69, 1407-1421.	5.3	139
45	Refined Nonlinear Rectenna Modeling and Optimal Waveform Design for Multi-User Multi-Antenna Wireless Power Transfer. IEEE Journal on Selected Topics in Signal Processing, 2021, , 1-1.	10.8	8
46	WiFi Fingerprint Clustering for Urban Mobility Analysis. IEEE Access, 2021, 9, 69527-69538.	4.2	7
47	Robust Resource Allocation Algorithm for Energy-Harvesting-Based D2D Communication Underlaying UAV-Assisted Networks. IEEE Internet of Things Journal, 2021, 8, 17161-17171.	8.7	37
48	Joint Channel Estimation and Signal Recovery in RIS-Assisted Multi-User MISO Communications. , 2021, , .		9
49	Reconfigurable Intelligent Surface Assisted Internet-of-Things: MAC Design and Optimization. , 2021, , .		1
50	Edge Intelligence for Autonomous Driving in 6G Wireless System: Design Challenges and Solutions. IEEE Wireless Communications, 2021, 28, 40-47.	9.0	63
51	WiMesh: leveraging mesh networking for disaster communication in resource-constrained settings. Wireless Networks, 2021, 27, 2785-2812.	3.0	4
52	Intelligent Spectrum Learning for Wireless Networks With Reconfigurable Intelligent Surfaces. IEEE Transactions on Vehicular Technology, 2021, 70, 3920-3925.	6.3	43
53	Deep Reinforcement Learning Based Massive Access Management for Ultra-Reliable Low-Latency Communications. IEEE Transactions on Wireless Communications, 2021, 20, 2977-2990.	9.2	40
54	AI-Assisted MAC for Reconfigurable Intelligent-Surface-Aided Wireless Networks: Challenges and Opportunities. IEEE Communications Magazine, 2021, 59, 21-27.	6.1	32

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55	Underwater Acoustic Communication Receiver Using Deep Belief Network. IEEE Transactions on Communications, 2021, 69, 3698-3708.	7.8	16
56	IEEE TCCN Special Section Editorial: Intelligent Surfaces for Smart Wireless Communications. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 336-339.	7.9	1
57	Multi-Hop RIS-Empowered Terahertz Communications: A DRL-Based Hybrid Beamforming Design. IEEE Journal on Selected Areas in Communications, 2021, 39, 1663-1677.	14.0	202
58	Channel Estimation for RIS-Empowered Multi-User MISO Wireless Communications. IEEE Transactions on Communications, 2021, 69, 4144-4157.	7.8	336
59	Understanding Residents' Behaviors in a Housing Estate by Passive WiFi Sensing and Data Mining. , 2021, , .		0
60	The Study of Urban Residential's Public Space Activeness Using Space-Centric Approach. IEEE Internet of Things Journal, 2021, 8, 11503-11513.	8.7	2
61	Converged Reconfigurable Intelligent Surface and Mobile Edge Computing for Space Information Networks. IEEE Network, 2021, 35, 42-48.	6.9	15
62	RIS-Enhanced WPCNs: Joint Radio Resource Allocation and Passive Beamforming Optimization. IEEE Transactions on Vehicular Technology, 2021, 70, 7980-7991.	6.3	43
63	Accurate and Stable Wi-Fi based Indoor Localization and Classification Using Convolutional Neural Network. , 2021, , .		2
64	Age of Information Aware Content Resale Mechanism With Edge Caching. IEEE Transactions on Communications, 2021, 69, 5269-5282.	7.8	12
65	HAP-Reserved Communications in Space-Air-Ground Integrated Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 8286-8291.	6.3	13
66	Reconfigurable-Intelligent-Surface-Assisted MAC for Wireless Networks: Protocol Design, Analysis, and Optimization. IEEE Internet of Things Journal, 2021, 8, 14171-14186.	8.7	32
67	Urban Space Insights Extraction Using Acoustic Histogram Information. IEEE Systems Journal, 2021, 15, 4448-4458.	4.6	2
68	Coalition Graph Game-Based P2P Energy Trading With Local Voltage Management. IEEE Transactions on Smart Grid, 2021, 12, 4389-4402.	9.0	55
69	Time-Series Regeneration With Convolutional Recurrent Generative Adversarial Network for Remaining Useful Life Estimation. IEEE Transactions on Industrial Informatics, 2021, 17, 6820-6831.	11.3	52
70	Cooperative negawatt P2P energy trading for low-voltage distribution networks. Applied Energy, 2021, 299, 117300.	10.1	32
71	Reconfigurable Intelligent Surface-Assisted Aerial-Terrestrial Communications via Multi-Task Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 3035-3050.	14.0	57
72	Transfer Learning-Based State of Charge Estimation for Lithium-Ion Battery at Varying Ambient Temperatures. IEEE Transactions on Industrial Informatics, 2021, 17, 7304-7315.	11.3	56

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73	A Multi-Perspective Approach to Resident Segmentation Analysis for HDB Towns in Singapore. , 2021, , .		0
74	Roles of retailers in the peer-to-peer electricity market: A single retailer perspective. IScience, 2021, 24, 103278.	4.1	12
75	RIS-aided Wireless Power Transfer for Unmanned Aerial Vehicles. , 2021, , .		1
76	Structured DNN Based Receiver for Millimeter-Wave MIMO with Nonlinear Distortions. IEEE Wireless Communications Letters, 2021, , 1-1.	5.0	0
77	Towards a Manipulator System for Disposal of Waste from Patients Undergoing Chemotherapy. , 2021, , .		1
78	Bidirectional Approximate Message Passing for RIS-Assisted Multi-User MISO Communications. , 2021, , .		1
79	Relative Localization of Mobile Robots with Multiple Ultra-WideBand Ranging Measurements. , 2021, , .		15
80	Lithium-ion Battery State of Health Estimation based on Cycle Synchronization using Dynamic Time Warping. , 2021, , .		3
81	Spectrum-Learning-Aided Reconfigurable Intelligent Surfaces for â€œGreenâ€•6G Networks. IEEE Network, 2021, 35, 20-26.	6.9	12
82	P2P Negawatt Trading: A Potential Alternative to Demand-side Management. , 2021, , .		9
83	Collaborative Radio SLAM for Multiple Robots based on WiFi Fingerprint Similarity. , 2021, , .		2
84	Cooperative positioning for emergency responders using self IMU and peer-to-peer radios measurements. Information Fusion, 2020, 56, 93-102.	19.1	44
85	Grid Influenced Peer-to-Peer Energy Trading. IEEE Transactions on Smart Grid, 2020, 11, 1407-1418.	9.0	191
86	A Novel Framework of Three-Hierarchical Offloading Optimization for MEC in Industrial IoT Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 5424-5434.	11.3	105
87	Collaborative SLAM Based on WiFi Fingerprint Similarity and Motion Information. IEEE Internet of Things Journal, 2020, 7, 1826-1840.	8.7	61
88	A coalition formation game framework for peer-to-peer energy trading. Applied Energy, 2020, 261, 114436.	10.1	104
89	A Novel Receiver Design of Nonorthogonal FDM Systems in Underwater Acoustics Communication. IEEE Systems Journal, 2020, 14, 3875-3884.	4.6	9
90	Guest Editorial Special Issue on â€œWireless Networks Empowered by Reconfigurable Intelligent Surfacesâ€• IEEE Journal on Selected Areas in Communications, 2020, 38, 2445-2449.	14.0	2

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91	Smart Radio Environments Empowered by Reconfigurable Intelligent Surfaces: How It Works, State of Research, and The Road Ahead. IEEE Journal on Selected Areas in Communications, 2020, 38, 2450-2525.	14.0	1,365
92	Reconfigurable Intelligent Surface Assisted Multiuser MISO Systems Exploiting Deep Reinforcement Learning. IEEE Journal on Selected Areas in Communications, 2020, 38, 1839-1850.	14.0	495
93	Holographic MIMO Surfaces for 6G Wireless Networks: Opportunities, Challenges, and Trends. IEEE Wireless Communications, 2020, 27, 118-125.	9.0	699
94	Parallel Factor Decomposition Channel Estimation in RIS-Assisted Multi-User MISO Communication. , 2020, , .		71
95	Challenges and prospects for negawatt trading in light of recent technological developments. Nature Energy, 2020, 5, 834-841.	39.5	35
96	Intelligent Reflecting Surface: Practical Phase Shift Model and Beamforming Optimization. , 2020, , .		61
97	Resource Allocation in Mobility-Aware Federated Learning Networks: A Deep Reinforcement Learning Approach. , 2020, , .		31
98	Dense Small Satellite Networks for Modern Terrestrial Communication Systems: Benefits, Infrastructure, and Technologies. IEEE Wireless Communications, 2020, 27, 96-103.	9.0	44
99	Predictive Maintenance for Edge-Based Sensor Networks: A Deep Reinforcement Learning Approach. , 2020, , .		8
100	Communication and Computing Resource Optimization for Connected Autonomous Driving. IEEE Transactions on Vehicular Technology, 2020, 69, 12652-12663.	6.3	28
101	Intelligent Reflecting Surface: Practical Phase Shift Model and Beamforming Optimization. IEEE Transactions on Communications, 2020, 68, 5849-5863.	7.8	382
102	A Survey of Computational Intelligence Techniques for Air-Conditioners Energy Management. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 555-570.	4.9	33
103	Promoting Users' Participation in Mobile Crowdsourcing: A Distributed Truthful Incentive Mechanism (DTIM) Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 5570-5582.	6.3	18
104	Random NOMA With Cross-Slot Successive Interference Cancellation Packet Recovery. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	0
105	Cluster Pruning: An Efficient Filter Pruning Method for Edge AI Vision Applications. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 802-816.	10.8	36
106	Energy efficiency improvement of solar water heating systems â€" An IoT based commissioning methodology. Energy and Buildings, 2020, 224, 110231.	6.7	24
107	User Activity Detection and Channel Estimation for Grant-Free Random Access in LEO Satellite-Enabled Internet of Things. IEEE Internet of Things Journal, 2020, 7, 8811-8825.	8.7	81
108	An uncertainty-aware deep reinforcement learning framework for residential air conditioning energy management. Applied Energy, 2020, 276, 115426.	10.1	59

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109	Near-real-time plug load identification using low-frequency power data in office spaces: Experiments and applications. Applied Energy, 2020, 275, 115391.	10.1	29
110	Streaming Delay-, Expenditure- and Quality-Balanced Video Over TV White Space. IEEE Transactions on Vehicular Technology, 2020, 69, 4042-4057.	6.3	0
111	Exploiting design thinking to improve energy efficiency of buildings. Energy, 2020, 197, 117141.	8.8	17
112	Understanding Crowd Behaviors in a Social Event by Passive WiFi Sensing and Data Mining. IEEE Internet of Things Journal, 2020, 7, 4442-4454.	8.7	41
113	Peer-to-Peer Trading in Electricity Networks: An Overview. IEEE Transactions on Smart Grid, 2020, 11, 3185-3200.	9.0	464
114	Lessons Learned From Accident of Autonomous Vehicle Testing: An Edge Learning-Aided Offloading Framework. IEEE Wireless Communications Letters, 2020, 9, 1182-1186.	5.0	24
115	Investigating the impact of P2P trading on power losses in grid-connected networks with prosumers. Applied Energy, 2020, 263, 114687.	10.1	61
116	Determination of consumer behavior based energy wastage using IoT and machine learning. Energy and Buildings, 2020, 220, 110060.	6.7	13
117	Hybrid Beamforming for RIS-Empowered Multi-hop Terahertz Communications: A DRL-based Method. , 2020, , .		35
118	Invariant learning based multi-stage identification for Lithium-ion battery performance degradation. , 2020, , .		6
119	Regulated P2P Energy Trading: A Typical Australian Distribution Network Case Study. , 2020, , .		11
120	Efficient Nonnegative Tensor Factorization via Saturating Coordinate Descent. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-28.	3.5	10
121	Smart Distribution Boards (Smart DB), Non-Intrusive Load Monitoring (NILM) for Load Device Appliance Signature Identification and Smart Sockets for Grid Demand Management. Sensors, 2020, 20, 2900.	3.8	8
122	Energy Efficiency and Spectral Efficiency Tradeoff in RIS-Aided Multiuser MIMO Uplink Systems. , 2020, , .		7
123	Energy management of islanded microgrid for reliability and cost trade–off with PV, energy storage, and diesel generator. IET Smart Grid, 2020, 3, 870-881.	2.2	4
124	AI-empowered millimeter wave communication and networking. China Communications, 2020, 17, 97-99.	3.2	1
125	Minimizing Electricity Cost through Smart Lighting Control for Indoor Plant Factories. , 2020, , .		5
126	Secure Erasure Codes With Partial Reconstructibility. IEEE Transactions on Information Theory, 2020, 66, 6809-6822.	2.4	2

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127	A Robust Phase-Ambiguity-Immune DOA Estimation Scheme for Antenna Array. IEEE Transactions on Vehicular Technology, 2019, 68, 6686-6696.	6.3	20
128	Efficiency Improvement of A Solar Water Heating System: An IoT Data-Driven Approach. , 2019, , .		0
129	Green Communications in Smart Cities. Electronics (Switzerland), 2019, 8, 773.	3.1	2
130	A New Insight Into GAMP and AMP. IEEE Transactions on Vehicular Technology, 2019, 68, 8264-8269.	6.3	20
131	Benchmarking air-conditioning energy performance of residential rooms based on regression and clustering techniques. Applied Energy, 2019, 253, 113548.	10.1	22
132	A holistic design approach for residential net-zero energy buildings: A case study in Singapore. Sustainable Cities and Society, 2019, 50, 101672.	10.4	49
133	Reconfigurable Intelligent Surfaces for Energy Efficiency in Wireless Communication. IEEE Transactions on Wireless Communications, 2019, 18, 4157-4170.	9.2	2,003
134	DNN-Aided Block Sparse Bayesian Learning for User Activity Detection and Channel Estimation in Grant-Free Non-Orthogonal Random Access. IEEE Transactions on Vehicular Technology, 2019, 68, 12000-12012.	6.3	53
135	Reinforcement learning-based link adaptation in long delayed underwater acoustic channel. MATEC Web of Conferences, 2019, 283, 07001.	0.2	1
136	A Hybrid Fuzzy Logic-Neural Network Approach for Multi-Path Separation of Underwater Acoustic Signals. , 2019, , .		1
137	Data Driven Model for Performance Evaluation and Anomaly Detection in Integrated Air Source Heat Pump Operation. , 2019, , .		3
138	Energy Management Strategy for Zone Cooling Load Demand Reduction in Commercial Buildings: A Data-Driven Approach. IEEE Transactions on Industry Applications, 2019, 55, 7281-7299.	4.9	15
139	Fast Video Frame Correlation Analysis for Vehicular Networks by Using CVSâ€"CNN. IEEE Transactions on Vehicular Technology, 2019, 68, 6286-6292.	6.3	17
140	Deep Learning for UL&#x002F;DL Channel Calibration in Generic Massive MIMO Systems. , 2019, , .		41
141	Indoor Signal Focusing with Deep Learning Designed Reconfigurable Intelligent Surfaces. , 2019, , .		176
142	Energy Management Strategy for Zone Cooling Load Demand Reduction with Occupancy Thermal Comfort Margin. , 2019, , .		1
143	A Synergetic Orchestration of Objects, Data, and Services to Enable Smart Cities. IEEE Internet of Things Journal, 2019, 6, 10496-10507.	8.7	18
144	DNN-Aided Message Passing Based Block Sparse Bayesian Learning for Joint User Activity Detection and Channel Estimation. , 2019, , .		3

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145	Deep neural network-aided Gaussian message passing detection for ultra-reliable low-latency communications. Future Generation Computer Systems, 2019, 95, 629-638.	7.5	11
146	Feature Learning and Analysis for Cleanliness Classification in Restrooms. IEEE Access, 2019, 7, 14871-14882.	4.2	4
147	Capacity-Achieving MIMO-NOMA: Iterative LMMSE Detection. IEEE Transactions on Signal Processing, 2019, 67, 1758-1773.	5.3	73
148	Collaborative Energy Management for a Residential Community: A Non-Cooperative and Evolutionary Approach. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 177-192.	4.9	42
149	Smart radio environments empowered by reconfigurable AI meta-surfaces: an idea whose time has come. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	1,020
150	A survey of data fusion in smart city applications. Information Fusion, 2019, 52, 357-374.	19.1	199
151	On Hybrid Pilot for Channel Estimation in Massive MIMO Uplink. IEEE Transactions on Vehicular Technology, 2019, 68, 6670-6685.	6.3	18
152	An Ontology-Based Framework for Building Energy Management with IoT. Electronics (Switzerland), 2019, 8, 485.	3.1	20
153	Nonnegative Coupled Matrix Tensor Factorization for Smart City Spatiotemporal Pattern Mining. Lecture Notes in Computer Science, 2019, , 520-532.	1.3	4
154	Variable-Rate Coding With Constant BER for NOMA via Multilevel IRA Coding. IEEE Transactions on Vehicular Technology, 2019, 68, 5149-5153.	6.3	4
155	A methodology to prevent cascading contingencies using BESS in a renewable integrated microgrid. International Journal of Electrical Power and Energy Systems, 2019, 110, 737-746.	5.5	26
156	Maximizing the Economic Benefits of a Grid-Tied Microgrid Using Solar-Wind Complementarity. Energies, 2019, 12, 395.	3.1	25
157	A motivational game-theoretic approach for peer-to-peer energy trading in the smart grid. Applied Energy, 2019, 243, 10-20.	10.1	255
158	Identifying Indoor Points of Interest via Mobile Crowdsensing: An Experimental Study. , 2019, , .		7
159	Feasibility Study of Financial P2P Energy Trading in a Grid-tied Power Network. , 2019, , .		43
160	Mobile Robot Localization Based On Low-Cost LTE And Odometry In GPS-Denied Outdoor Environment. , 2019, , .		5
161	Doppler Invariant Demodulation for Shallow Water Acoustic Communications Using Deep Belief Networks. , 2019, , .		3
162	Spectrum Cost Optimization for Cognitive Radio Transmission over TV White Spaces using Artificial Neural Networks. , 2019, , .		1

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163	Blockchain Technologies for Smart Energy Systems: Fundamentals, Challenges, and Solutions. IEEE Industrial Electronics Magazine, 2019, 13, 106-118.	2.6	107
164	Local Cyber-Physical Attack for Masking Line Outage and Topology Attack in Smart Grid. IEEE Transactions on Smart Grid, 2019, 10, 4577-4588.	9.0	73
165	Iterative Channel Estimation Using LSE and Sparse Message Passing for MmWave MIMO Systems. IEEE Transactions on Signal Processing, 2019, 67, 245-259.	5.3	109
166	An Experimental Study for Tracking Crowd in Smart Cities. IEEE Systems Journal, 2019, 13, 2966-2977.	4.6	28
167	Fair Scheduling for Data Collection in Mobile Sensor Networks with Energy Harvesting. IEEE Transactions on Mobile Computing, 2019, 18, 1274-1287.	5.8	30
168	Understanding the Lifestyle of Older Population: Mobile Crowdsensing Approach. IEEE Transactions on Computational Social Systems, 2019, 6, 82-95.	4.4	30
169	Gaussian Message Passing for Overloaded Massive MIMO-NOMA. IEEE Transactions on Wireless Communications, 2019, 18, 210-226.	9.2	70
170	Energy Efficiency Optimization in LTE-U Based Small Cell Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 1963-1967.	6.3	15
171	Electric Vehicle Charge Scheduling Mechanism to Maximize Cost Efficiency and User Convenience. IEEE Transactions on Smart Grid, 2019, 10, 3020-3030.	9.0	83
172	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
173	Sparsity Constraint Nonnegative Tensor Factorization for Mobility Pattern Mining. Lecture Notes in Computer Science, 2019, , 582-594.	1.3	3
174	Real-Time Data Analysis Using a Smartphone Mobile Application. , 2019, , 221-240.		3
175	Transfer Learning via Feature Selection Based Nonnegative Matrix Factorization. Lecture Notes in Computer Science, 2019, , 82-97.	1.3	1
176	Sustainable Design of Residential Net-Zero Energy Buildings: A Multi-Phase and Multi-Objective Optimization Approach. , 2019, , .		0
177	Sensor Fusion for Public Space Utilization Monitoring in a Smart City. IEEE Internet of Things Journal, 2018, 5, 473-481.	8.7	82
178	Low-Complexity Portable Passive Drone Surveillance via SDR-Based Signal Processing. IEEE Communications Magazine, 2018, 56, 112-118.	6.1	60
179	Maxâ€"Min Fair Transmit Precoding for Multi-Group Multicasting in Massive MIMO. IEEE Transactions on Wireless Communications, 2018, 17, 1358-1373.	9.2	53
180	Motivational Psychology Driven AC Management Scheme: A Responsive Design Approach. IEEE Transactions on Computational Social Systems, 2018, 5, 289-301.	4.4	27

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182	Energy Management for Renewable Microgrid in Reducing Diesel Generators Usage With Multiple Types of Battery. IEEE Transactions on Industrial Electronics, 2018, 65, 6772-6786.	7.9	146
183	Wireless Energy Beamforming Using Received Signal Strength Indicator Feedback. IEEE Transactions on Signal Processing, 2018, 66, 224-235.	5.3	38
184	Indoor Sound Source Localization With Probabilistic Neural Network. IEEE Transactions on Industrial Electronics, 2018, 65, 6403-6413.	7.9	84
185	Improving the Operation of Solar Water Heating Systems in Green Buildings via Optimized Control Strategies. IEEE Transactions on Industrial Informatics, 2018, 14, 1646-1655.	11.3	36
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