

Chau Yuen

List of Publications by Year in descending order

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535
papers

25,312
citations

11651

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10158

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all docs

538
docs citations

538
times ranked

14375
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconfigurable Intelligent Surfaces for Energy Efficiency in Wireless Communication. IEEE Transactions on Wireless Communications, 2019, 18, 4157-4170.	9.2	2,003
2	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
3	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
4	Holographic MIMO Surfaces for 6G Wireless Networks: Opportunities, Challenges, and Trends. IEEE Wireless Communications, 2020, 27, 118-125.	9.0	699
5	Recent Advances in Indoor Localization: A Survey on Theoretical Approaches and Applications. IEEE Communications Surveys and Tutorials, 2017, 19, 1327-1346.	39.4	638
6	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
7	Peer-to-Peer Trading in Electricity Networks: An Overview. IEEE Transactions on Smart Grid, 2020, 11, 3185-3200.	9.0	464
8	Intelligent Reflecting Surface: Practical Phase Shift Model and Beamforming Optimization. IEEE Transactions on Communications, 2020, 68, 5849-5863.	7.8	382
9	Channel Estimation for RIS-Empowered Multi-User MISO Wireless Communications. IEEE Transactions on Communications, 2021, 69, 4144-4157.	7.8	336
10	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
11	Full-Duplex Relay Selection for Amplify-and-Forward Cooperative Networks. IEEE Transactions on Wireless Communications, 2012, 11, 4381-4393.	9.2	294
12	Three-Party Energy Management With Distributed Energy Resources in Smart Grid. IEEE Transactions on Industrial Electronics, 2015, 62, 2487-2498.	7.9	291
13	Energy-Efficient Cooperative Spectrum Sensing by Optimal Scheduling in Sensor-Aided Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 716-725.	6.3	283
14	Wireless Energy and Information Transfer Tradeoff for Limited-Feedback Multiantenna Systems With Energy Beamforming. IEEE Transactions on Vehicular Technology, 2014, 63, 407-412.	6.3	276
15	Energy Storage Sharing in Smart Grid: A Modified Auction-Based Approach. IEEE Transactions on Smart Grid, 2016, 7, 1462-1475.	9.0	268
16	Peer-to-peer energy systems for connected communities: A review of recent advances and emerging challenges. Applied Energy, 2021, 282, 116131.	10.1	265
17	A motivational game-theoretic approach for peer-to-peer energy trading in the smart grid. Applied Energy, 2019, 243, 10-20.	10.1	255
18	Cognitive radio based hierarchical communications infrastructure for smart grid. IEEE Network, 2011, 25, 6-14.	6.9	235

#	ARTICLE	IF	CITATIONS
19	Low-Complexity End-to-End Performance Optimization in MIMO Full-Duplex Relay Systems. IEEE Transactions on Wireless Communications, 2014, 13, 913-927.	9.2	232
20	Energy Management for Joint Operation of CHP and PV Prosumers Inside a Grid-Connected Microgrid: A Game Theoretic Approach. IEEE Transactions on Industrial Informatics, 2016, 12, 1930-1942.	11.3	232
21	Energy Efficient Multi-User MISO Communication Using Low Resolution Large Intelligent Surfaces. , 2018, , .		221
22	Blockchain for the Internet of Vehicles Towards Intelligent Transportation Systems: A Survey. IEEE Internet of Things Journal, 2021, 8, 4157-4185.	8.7	213
23	Large-Scale MIMO Relaying Techniques for Physical Layer Security: AF or DF?. IEEE Transactions on Wireless Communications, 2015, 14, 5135-5146.	9.2	212
24	Quasi-orthogonal STBC with minimum decoding complexity. IEEE Transactions on Wireless Communications, 2005, 4, 2089-2094.	9.2	208
25	Achievable Rate Maximization by Passive Intelligent Mirrors. , 2018, , .		204
26	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
27	A survey of data fusion in smart city applications. Information Fusion, 2019, 52, 357-374.	19.1	199
28	Grid Influenced Peer-to-Peer Energy Trading. IEEE Transactions on Smart Grid, 2020, 11, 1407-1418.	9.0	191
29	Peak-to-Average Ratio Constrained Demand-Side Management With Consumer's Preference in Residential Smart Grid. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 1084-1097.	10.8	179
30	Indoor Signal Focusing with Deep Learning Designed Reconfigurable Intelligent Surfaces. , 2019, , .		176
31	Energy Efficiency Tradeoff Mechanism Towards Wireless Green Communication: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 686-705.	39.4	166
32	Physical Layer Security of TAS/MRC With Antenna Correlation. IEEE Transactions on Information Forensics and Security, 2013, 8, 254-259.	6.9	165
33	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
34	Indoor Positioning Using Visible LED Lights. ACM Computing Surveys, 2015, 48, 1-32.	23.0	156
35	Peer-to-Peer Energy Trading With Sustainable User Participation: A Game Theoretic Approach. IEEE Access, 2018, 6, 62932-62943.	4.2	154
36	Design of a Scalable Hybrid MAC Protocol for Heterogeneous M2M Networks. IEEE Internet of Things Journal, 2014, 1, 99-111.	8.7	148

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37	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
38	Distortion-Aware Concurrent Multipath Transfer for Mobile Video Streaming in Heterogeneous Wireless Networks. IEEE Transactions on Mobile Computing, 2015, 14, 688-701.	5.8	145
39	Balancing Power Demand Through EV Mobility in Vehicle-to-Grid Mobile Energy Networks. IEEE Transactions on Industrial Informatics, 2016, 12, 79-90.	11.3	145
40	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
41	Electric Vehicle Charging Station Placement for Urban Public Bus Systems. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 128-139.	8.0	132
42	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
43	Multi-pair amplify-and-forward relaying with very large antenna arrays. , 2013, , .		130
44	Electricity Cost Minimization for a Microgrid With Distributed Energy Resource Under Different Information Availability. IEEE Transactions on Industrial Electronics, 2015, 62, 2571-2583.	7.9	126
45	Multi-antenna relay aided wireless physical layer security. , 2015, 53, 40-46.		116
46	An Efficient MAC Protocol With Selective Grouping and Cooperative Sensing in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 3928-3941.	6.3	115
47	System design of the internet of things for residential smart grid. IEEE Wireless Communications, 2016, 23, 90-98.	9.0	111
48	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
49	Blockchain Technologies for Smart Energy Systems: Fundamentals, Challenges, and Solutions. IEEE Industrial Electronics Magazine, 2019, 13, 106-118.	2.6	107
50	Optimal Locally Repairable Linear Codes. IEEE Journal on Selected Areas in Communications, 2014, 32, 1019-1036.	14.0	106
51	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
52	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
53	Price Discrimination for Energy Trading in Smart Grid: A Game Theoretic Approach. IEEE Transactions on Smart Grid, 2017, 8, 1790-1801.	9.0	104
54	A coalition formation game framework for peer-to-peer energy trading. Applied Energy, 2020, 261, 114436.	10.1	104

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55	Streaming High-Quality Mobile Video with Multipath TCP in Heterogeneous Wireless Networks. IEEE Transactions on Mobile Computing, 2016, 15, 2345-2361.	5.8	101
56	Queuing-Based Energy Consumption Management for Heterogeneous Residential Demands in Smart Grid. IEEE Transactions on Smart Grid, 2016, 7, 1650-1659.	9.0	99
57	Convergence Analysis and Assurance for Gaussian Message Passing Iterative Detector in Massive MU-MIMO Systems. IEEE Transactions on Wireless Communications, 2016, 15, 6487-6501.	9.2	90
58	Understanding Urban Human Mobility through Crowdsensed Data. IEEE Communications Magazine, 2018, 56, 52-59.	6.1	90
59	Understanding Customer Behavior in Multi-Tier Demand Response Management Program. IEEE Access, 2015, 3, 2613-2625.	4.2	89
60	Content-Aware Concurrent Multipath Transfer for High-Definition Video Streaming over Heterogeneous Wireless Networks. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 710-723.	5.6	89
61	Enabling Adaptive High-Frame-Rate Video Streaming in Mobile Cloud Gaming Applications. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1988-2001.	8.3	86
62	Indoor Sound Source Localization With Probabilistic Neural Network. IEEE Transactions on Industrial Electronics, 2018, 65, 6403-6413.	7.9	84
63	Electric Vehicle Charge Scheduling Mechanism to Maximize Cost Efficiency and User Convenience. IEEE Transactions on Smart Grid, 2019, 10, 3020-3030.	9.0	83
64	Adaptive Distributed MIMO Radar Waveform Optimization Based on Mutual Information. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1374-1385.	4.7	82
65	Sensor Fusion for Public Space Utilization Monitoring in a Smart City. IEEE Internet of Things Journal, 2018, 5, 473-481.	8.7	82
66	Demand Response Management for Residential Smart Grid: From Theory to Practice. IEEE Access, 2015, 3, 2431-2440.	4.2	81
67	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
68	Multicell Multiuser Massive MIMO Transmission With Downlink Training and Pilot Contamination Precoding. IEEE Transactions on Vehicular Technology, 2016, 65, 6301-6314.	6.3	80
69	Large System Secrecy Rate Analysis for SWIPT MIMO Wiretap Channels. IEEE Transactions on Information Forensics and Security, 2016, 11, 74-85.	6.9	79
70	Four-Group Decodable Space-Time Block Codes. IEEE Transactions on Signal Processing, 2008, 56, 424-430.	5.3	78
71	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
72	Goodput-Aware Load Distribution for Real-Time Traffic over Multipath Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2286-2299.	5.6	75

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73	Customer Engagement Plans for Peak Load Reduction in Residential Smart Grids. IEEE Transactions on Smart Grid, 2015, 6, 3029-3041.	9.0	74
74	Capacity-Achieving MIMO-NOMA: Iterative LMMSE Detection. IEEE Transactions on Signal Processing, 2019, 67, 1758-1773.	5.3	73
75	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
76	Super-Resolution Sparse MIMO-OFDM Channel Estimation Based on Spatial and Temporal Correlations. IEEE Communications Letters, 2014, 18, 1266-1269.	4.1	71
77	Turbo-Like Beamforming Based on Tabu Search Algorithm for Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 5731-5737.	6.3	71
78	Parallel Factor Decomposition Channel Estimation in RIS-Assisted Multi-User MISO Communication. , 2020, , .		71
79	Intelligent Task Offloading for Heterogeneous V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2226-2238.	8.0	71
80	Gaussian Message Passing for Overloaded Massive MIMO-NOMA. IEEE Transactions on Wireless Communications, 2019, 18, 210-226.	9.2	70
81	Power Control for Sum-Rate Maximization on Interference Channels Under Sum Power Constraint. IEEE Transactions on Vehicular Technology, 2015, 64, 593-609.	6.3	67
82	Layered Coding for Mobile Cloud Gaming Using Scalable Blinn-Phong Lighting. IEEE Transactions on Image Processing, 2016, 25, 3112-3125.	9.8	67
83	Delay-Constrained High Definition Video Transmission in Heterogeneous Wireless Networks with Multi-Homed Terminals. IEEE Transactions on Mobile Computing, 2016, 15, 641-655.	5.8	63
84	Edge Intelligence for Autonomous Driving in 6G Wireless System: Design Challenges and Solutions. IEEE Wireless Communications, 2021, 28, 40-47.	9.0	63
85	Performance Analysis and Optimization for Interference Alignment Over MIMO Interference Channels With Limited Feedback. IEEE Transactions on Signal Processing, 2014, 62, 1785-1795.	5.3	62
86	A Bayesian Overlapping Coalition Formation Game for Device-to-Device Spectrum Sharing in Cellular Networks. IEEE Transactions on Wireless Communications, 2015, 14, 4034-4051.	9.2	62
87	A comparison of the popular home automation technologies. , 2014, , .		61
88	Collaborative SLAM Based on WiFi Fingerprint Similarity and Motion Information. IEEE Internet of Things Journal, 2020, 7, 1826-1840.	8.7	61
89	Intelligent Reflecting Surface: Practical Phase Shift Model and Beamforming Optimization. , 2020, , .		61
90	Investigating the impact of P2P trading on power losses in grid-connected networks with prosumers. Applied Energy, 2020, 263, 114687.	10.1	61

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91	Low-Complexity Portable Passive Drone Surveillance via SDR-Based Signal Processing. IEEE Communications Magazine, 2018, 56, 112-118.	6.1	60
92	An uncertainty-aware deep reinforcement learning framework for residential air conditioning energy management. Applied Energy, 2020, 276, 115426.	10.1	59
93	Large System Analysis of Cognitive Radio Network via Partially-Projected Regularized Zero-Forcing Precoding. IEEE Transactions on Wireless Communications, 2015, 14, 4934-4947.	9.2	58
94	Image encryption and compression based on kronecker compressed sensing and elementary cellular automata scrambling. Optics and Laser Technology, 2016, 84, 118-133.	4.6	58
95	Outage Probability of Dual-Hop Multiple Antenna AF Relaying Systems with Interference. IEEE Transactions on Communications, 2013, 61, 108-119.	7.8	57
96	Scheduling of EV Battery Swapping—Part I: Centralized Solution. IEEE Transactions on Control of Network Systems, 2018, 5, 1887-1897.	3.7	57
97	Practical MIMO-NOMA: Low Complexity and Capacity-Approaching Solution. IEEE Transactions on Wireless Communications, 2018, 17, 6251-6264.	9.2	57
98	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
99	Performance Analysis of Fixed Gain Relay Systems With a Single Interferer in Nakagami- m Fading Channels. IEEE Transactions on Vehicular Technology, 2012, 61, 1457-1463.	6.3	56
100	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
101	Coalition Graph Game-Based P2P Energy Trading With Local Voltage Management. IEEE Transactions on Smart Grid, 2021, 12, 4389-4402.	9.0	55
102	Robust Max-Min Energy Efficiency for RIS-Aided HetNets With Distortion Noises. IEEE Transactions on Communications, 2022, 70, 1457-1471.	7.8	55
103	Max-Min Antenna Selection for Bi-Directional Multi-Antenna Relaying. , 2010, , .		54
104	Outage Probability of Dual-Hop Multiple Antenna AF Systems with Linear Processing in the Presence of Co-Channel Interference. IEEE Transactions on Wireless Communications, 2014, 13, 2308-2321.	9.2	54
105	Cloud gaming: a green solution to massive multiplayer online games. IEEE Wireless Communications, 2014, 21, 78-87.	9.0	54
106	Ergodic Capacity Comparison of Different Relay Precoding Schemes in Dual-Hop AF Systems With Co-Channel Interference. IEEE Transactions on Communications, 2014, 62, 2314-2328.	7.8	54
107	Codes With Run-Length and GC-Content Constraints for DNA-Based Data Storage. IEEE Communications Letters, 2018, 22, 2004-2007.	4.1	54
108	Personal Dead Reckoning Using IMU Mounted on Upper Torso and Inverted Pendulum Model. IEEE Sensors Journal, 2016, 16, 7600-7608.	4.7	53

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109	Max-Min Fair Transmit Precoding for Multi-Group Multicasting in Massive MIMO. IEEE Transactions on Wireless Communications, 2018, 17, 1358-1373.	9.2	53
110	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
111	Impact of Scheduling Flexibility on Demand Profile Flatness and User Inconvenience in Residential Smart Grid System. Energies, 2013, 6, 6608-6635.	3.1	52
112	Energy-Minimized Multipath Video Transport to Mobile Devices in Heterogeneous Wireless Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 1160-1178.	14.0	52
113	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
114	Bandwidth-Efficient Multipath Transport Protocol for Quality-Guaranteed Real-Time Video Over Heterogeneous Wireless Networks. IEEE Transactions on Communications, 2016, 64, 2477-2493.	7.8	50
115	Low-Complexity MMSE Signal Detection Based on Richardson Method for Large-Scale MIMO Systems. , 2014, , .		49
116	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
117	Joint Channel Estimation and Signal Recovery for RIS-Empowered Multiuser Communications. IEEE Transactions on Communications, 2022, 70, 4640-4655.	7.8	49
118	Performance Analysis of Two-Step Bi-Directional Relaying with Multiple Antennas. IEEE Transactions on Wireless Communications, 2012, 11, 4237-4242.	9.2	48
119	A scalable Hybrid MAC protocol for massive M2M networks. , 2013, , .		48
120	Zero-Forcing Based MIMO Two-Way Relay with Relay Antenna Selection: Transmission Scheme and Diversity Analysis. IEEE Transactions on Wireless Communications, 2012, 11, 4426-4437.	9.2	46
121	Efficient Resource Allocation in a Rateless-Coded MU-MIMO Cognitive Radio Network With QoS Provisioning and Limited Feedback. IEEE Transactions on Vehicular Technology, 2013, 62, 395-399.	6.3	46
122	Smart Grid Testbed for Demand Focused Energy Management in End User Environments. IEEE Wireless Communications, 2016, 23, 70-80.	9.0	46
123	Energy-Efficient Downlink Transmission for Multicell Massive DAS With Pilot Contamination. IEEE Transactions on Vehicular Technology, 2017, 66, 1209-1221.	6.3	46
124	Information Rate and Relay Precoder Design for Amplify-and-Forward MIMO Relay Networks With Imperfect Channel State Information. IEEE Transactions on Vehicular Technology, 2012, 61, 3958-3968.	6.3	45
125	Energy Efficient User Association for Cloud Radio Access Networks. IEEE Access, 2016, 4, 2429-2438.	4.2	44
126	Cooperative positioning for emergency responders using self IMU and peer-to-peer radios measurements. Information Fusion, 2020, 56, 93-102.	19.1	44

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127	Dense Small Satellite Networks for Modern Terrestrial Communication Systems: Benefits, Infrastructure, and Technologies. IEEE Wireless Communications, 2020, 27, 96-103.	9.0	44
128	Bi-Directional Multi-Antenna Relay Communications with Wireless Network Coding. IEEE Vehicular Technology Conference, 2008, , .	0.4	43
129	Location Identification of Power Line Outages Using PMU Measurements With Bad Data. IEEE Transactions on Power Systems, 2016, 31, 3624-3635.	6.5	43
130	Fusing Similarity-Based Sequence and Dead Reckoning for Indoor Positioning Without Training. IEEE Sensors Journal, 2017, 17, 4197-4207.	4.7	43
131	Feasibility Study of Financial P2P Energy Trading in a Grid-tied Power Network. , 2019, , .		43
132	Intelligent Spectrum Learning for Wireless Networks With Reconfigurable Intelligent Surfaces. IEEE Transactions on Vehicular Technology, 2021, 70, 3920-3925.	6.3	43
133	RIS-Enhanced WPCNs: Joint Radio Resource Allocation and Passive Beamforming Optimization. IEEE Transactions on Vehicular Technology, 2021, 70, 7980-7991.	6.3	43
134	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
135	A Tag Encoding Scheme against Pollution Attack to Linear Network Coding. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 33-42.	5.6	41
136	Deep Learning for UL/DL Channel Calibration in Generic Massive MIMO Systems. , 2019, , .		41
137	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
138	Adaptive Air-to-Ground Secure Communication System Based on ADS-B and Wide-Area Multilateration. IEEE Transactions on Vehicular Technology, 2016, 65, 3150-3165.	6.3	40
139	Carrier Aggregation Between Operators in Next Generation Cellular Networks: A Stable Roommate Market. IEEE Transactions on Wireless Communications, 2016, 15, 633-650.	9.2	40
140	Reducing the Computational Complexity of Multicasting in Large-Scale Antenna Systems. IEEE Transactions on Wireless Communications, 2017, 16, 2963-2975.	9.2	40
141	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
142	On the existence of MDS codes over small fields with constrained generator matrices. , 2014, , .		39
143	Asymptotic Orthogonality Analysis of Time-Domain Sparse Massive MIMO Channels. IEEE Communications Letters, 2015, 19, 1826-1829.	4.1	39
144	Cooperative relative positioning of mobile users by fusing IMU inertial and UWB ranging information. , 2017, , .		39

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145	Novel System Architecture and Waveform Design for Cognitive Radar Radio Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 3630-3642.	6.3	38
146	Wireless Energy Beamforming Using Received Signal Strength Indicator Feedback. IEEE Transactions on Signal Processing, 2018, 66, 224-235.	5.3	38
147	Blockchain and 6G: The Future of Secure and Ubiquitous Communication. IEEE Wireless Communications, 2022, 29, 194-201.	9.0	38
148	Game-Theoretic Approaches for Energy Cooperation in Energy Harvesting Small Cell Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 7178-7194.	6.3	37
149	Robust Resource Allocation Algorithm for Energy-Harvesting-Based D2D Communication Underlying UAV-Assisted Networks. IEEE Internet of Things Journal, 2021, 8, 17161-17171.	8.7	37
150	Performance Analysis of Two-Way Multiple-Antenna Relaying with Network Coding. , 2009, , .		36
151	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
152	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
153	Challenges and prospects for negawatt trading in light of recent technological developments. Nature Energy, 2020, 5, 834-841.	39.5	35
154	Hybrid Beamforming for RIS-Empowered Multi-hop Terahertz Communications: A DRL-based Method. , 2020, , .		35
155	On Secrecy Performance of Multiantenna-Jammer-Aided Secure Communications With Imperfect CSI. IEEE Transactions on Vehicular Technology, 2016, 65, 8014-8024.	6.3	34
156	On the secrecy outage capacity of physical layer security in large-scale MIMO relaying systems with imperfect CSI. , 2014, , .		33
157	Modeling and Optimization of High Frame Rate Video Transmission Over Wireless Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2713-2726.	9.2	33
158	Near-Optimal Signal Detector Based on Structured Compressive Sensing for Massive SM-MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 1860-1865.	6.3	33
159	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
160	On the Search for High-Rate Quasi-Orthogonal Space-Time Block Code. International Journal of Wireless Information Networks, 2006, 13, 329-340.	2.7	32
161	Non-homogeneous two-rack model for distributed storage systems. , 2013, , .		32
162	Robust Resource Allocation for Secrecy Wireless Powered Communication Networks. IEEE Communications Letters, 2016, 20, 2430-2433.	4.1	32

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163	Joint Unicast and Multi-Group Multicast Transmission in Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 6375-6388.	9.2	32
164	AI-Assisted MAC for Reconfigurable Intelligent-Surface-Aided Wireless Networks: Challenges and Opportunities. IEEE Communications Magazine, 2021, 59, 21-27.	6.1	32
165	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
166	Cooperative negawatt P2P energy trading for low-voltage distribution networks. Applied Energy, 2021, 299, 117300.	10.1	32
167	Full-rate full-diversity STBC with constellation rotation. , 0, , .		31
168	Capacity-achieving iterative LMMSE detection for MIMO-NOMA systems. , 2016, , .		31
169	On Interference Alignment With Imperfect CSI: Characterizations of Outage Probability, Ergodic Rate and SER. IEEE Transactions on Vehicular Technology, 2016, 65, 47-58.	6.3	31
170	Framework for minimum user participation rate determination to achieve specific demand response management objectives in residential smart grids. International Journal of Electrical Power and Energy Systems, 2016, 74, 91-103.	5.5	31
171	Resource Allocation in Mobility-Aware Federated Learning Networks: A Deep Reinforcement Learning Approach. , 2020, , .		31
172	Power-Balanced Orthogonal Space-Time Block Code. IEEE Transactions on Vehicular Technology, 2008, 57, 3304-3309.	6.3	30
173	Quasi-Orthogonal Space-Time Block Codes for Two Transmit Antennas and Three Time Slots. IEEE Transactions on Wireless Communications, 2011, 10, 1983-1991.	9.2	30
174	Trading Delay for Distortion in One-Way Video Communication Over the Internet. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 711-723.	8.3	30
175	Fair Scheduling for Data Collection in Mobile Sensor Networks with Energy Harvesting. IEEE Transactions on Mobile Computing, 2019, 18, 1274-1287.	5.8	30
176	Understanding the Lifestyle of Older Population: Mobile Crowdsensing Approach. IEEE Transactions on Computational Social Systems, 2019, 6, 82-95.	4.4	30
177	Ergodic Secrecy Sum-Rate for Multiuser Downlink Transmission via Regularized Channel Inversion: Large System Analysis. IEEE Communications Letters, 2014, 18, 1627-1630.	4.1	29
178	Coding-Based Data Broadcasting for Time-Critical Applications With Rate Adaptation. IEEE Transactions on Vehicular Technology, 2014, 63, 2429-2442.	6.3	29
179	Gaussian Message Passing Iterative Detection for MIMO-NOMA Systems with Massive Access. , 2016, , .		29
180	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

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