Octavia Dobre

List of Publications by Year
in descending order

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442	13,731	31949	31818
papers	citations	53 h-index	101 g-index

445	445	445	7235
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Power-Domain Non-Orthogonal Multiple Access (NOMA) in 5G Systems: Potentials and Challenges. IEEE Communications Surveys and Tutorials, 2017, 19, 721-742.	24.8	1,698
2	Survey of automatic modulation classification techniques: classical approaches and new trends. IET Communications, 2007, 1, 137.	1.5	1,012
3	6G Internet of Things: A Comprehensive Survey. IEEE Internet of Things Journal, 2022, 9, 359-383.	5.5	366
4	Resource Allocation for Downlink NOMA Systems: Key Techniques and Open Issues. IEEE Wireless Communications, 2018, 25, 40-47.	6.6	295
5	On the likelihood-based approach to modulation classification. IEEE Transactions on Wireless Communications, 2009, 8, 5884-5892.	6.1	293
6	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.	9.7	270
7	Joint Power and Time Allocation for NOMAâ€“MEC Offloading. IEEE Transactions on Vehicular Technology, 2019, 68, 6207-6211.	3.9	206
8	A Prospective Look: Key Enabling Technologies, Applications and Open Research Topics in 6G Networks. IEEE Access, 2020, 8, 174792-174820.	2.6	192
9	Radio Resource Allocation Techniques for Efficient Spectrum Access in Cognitive Radio Networks. IEEE Communications Surveys and Tutorials, 2016, 18, 824-847.	24.8	173
10	Hardware Impaired Ambient Backscatter NOMA Systems: Reliability and Security. IEEE Transactions on Communications, 2021, 69, 2723-2736.	4.9	162
11	STAR-RISs: Simultaneous Transmitting and Reflecting Reconfigurable Intelligent Surfaces. IEEE Communications Letters, 2021, 25, 3134-3138.	2.5	160
12	Specific Emitter Identification via Hilbertâ€“Huang Transform in Single-Hop and Relaying Scenarios. IEEE Transactions on Information Forensics and Security, 2016, 11, 1192-1205.	4.5	152
13	Signal identification for emerging intelligent radios: classical problems and new challenges. IEEE Instrumentation and Measurement Magazine, 2015, 18, 11-18.	1.2	149
14	Sum Rate Maximization for IRS-Assisted Uplink NOMA. IEEE Communications Letters, 2021, 25, 234-238.	2.5	144
15	On the Sum Rate of MIMO-NOMA and MIMO-OMA Systems. IEEE Wireless Communications Letters, 2017, 6, 534-537.	3.2	134
16	Mixed-ADC/DAC Multipair Massive MIMO Relaying Systems: Performance Analysis and Power Optimization. IEEE Transactions on Communications, 2019, 67, 140-153.	4.9	125
17	Energy-Efficient Joint User-RB Association and Power Allocation for Uplink Hybrid NOMA-OMA. IEEE Internet of Things Journal, 2019, 6, 5119-5131.	5.5	110
18	Cyclostationarity-Based Robust Algorithms for QAM Signal Identification. IEEE Communications Letters, 2012, 16, 12-15.	2.5	109

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19	Signature-Based Nonorthogonal Massive Multiple Access for Future Wireless Networks: Uplink Massive Connectivity for Machine-Type Communications. IEEE Vehicular Technology Magazine, 2018, 13, 40-50.	2.8	106
20	Coverage Characterization of STAR-RIS Networks: NOMA and OMA. IEEE Communications Letters, 2021, 25, 3036-3040.	2.5	104
21	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.	9.7	103
22	Energy-Efficient Power Allocation for MIMO-NOMA With Multiple Users in a Cluster. IEEE Access, 2018, 6, 5170-5181.	2.6	100
23	Second-Order Cyclostationarity of Mobile WiMAX and LTE OFDM Signals and Application to Spectrum Awareness in Cognitive Radio Systems. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 26-42.	7.3	99
24	A Survey on Fiber Nonlinearity Compensation for 400 Gb/s and Beyond Optical Communication Systems. IEEE Communications Surveys and Tutorials, 2017, 19, 3097-3113.	24.8	95
25	On the Cyclostationarity of OFDM and Single Carrier Linearly Digitally Modulated Signals in Time Dispersive Channels: Theoretical Developments and Application. IEEE Transactions on Wireless Communications, 2010, 9, 2588-2599.	6.1	92
26	Signal Identification for Multiple-Antenna Wireless Systems: Achievements and Challenges. IEEE Communications Surveys and Tutorials, 2016, 18, 1524-1551.	24.8	90
27	Low Complexity Automatic Modulation Classification Based on Order-Statistics. IEEE Transactions on Wireless Communications, 2017, 16, 400-411.	6.1	87
28	Energy Efficiencyâ€“Spectral Efficiency Tradeoff: A Multiobjective Optimization Approach. IEEE Transactions on Vehicular Technology, 2016, 65, 1975-1981.	3.9	83
29	A Low Complexity Modulation Classification Algorithm for MIMO Systems. IEEE Communications Letters, 2013, 17, 1881-1884.	2.5	79
30	All Technologies Work Together for Good: A Glance at Future Mobile Networks. IEEE Wireless Communications, 2018, 25, 10-16.	6.6	79
31	Energy-Efficient Power Allocation in Uplink mmWave Massive MIMO With NOMA. IEEE Transactions on Vehicular Technology, 2019, 68, 3000-3004.	3.9	79
32	Blind modulation classification: a concept whose time has come. , 0, , .		74
33	QoE-Aware Efficient Content Distribution Scheme For Satellite-Terrestrial Networks. IEEE Transactions on Mobile Computing, 2023, 22, 443-458.	3.9	74
34	Energy-Constrained UAV-Assisted Secure Communications With Position Optimization and Cooperative Jamming. IEEE Transactions on Communications, 2020, 68, 4476-4489.	4.9	72
35	Joint Information and Jamming Beamforming for Secrecy Rate Maximization in Cognitive Radio Networks. IEEE Transactions on Information Forensics and Security, 2016, 11, 2609-2623.	4.5	71
36	Decision Fusion for IoT-Based Wireless Sensor Networks. IEEE Internet of Things Journal, 2020, 7, 1313-1326.	5.5	71

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37	Cyclostationarity-Based Modulation Classification of Linear Digital Modulations in Flat Fading Channels. Wireless Personal Communications, 2010, 54, 699-717.	1.8	70
38	Task Scheduling for Mobile Edge Computing Using Genetic Algorithm and Conflict Graphs. IEEE Transactions on Vehicular Technology, 2020, 69, 8805-8819.	3.9	70
39	A New Path Division Multiple Access for the Massive MIMO-OTFS Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 903-918.	9.7	69
40	Large Intelligent Surface Assisted Wireless Communications With Spatial Modulation and Antenna Selection. IEEE Journal on Selected Areas in Communications, 2020, 38, 2562-2574.	9.7	65
41	Securing Downlink Massive MIMO-NOMA Networks With Artificial Noise. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 685-699.	7.3	64
42	Intelligent Reflecting Surface Enhanced Millimeter-Wave NOMA Systems. IEEE Communications Letters, 2020, 24, 2632-2636.	2.5	64
43	On the Spectral and Energy Efficiencies of Full-Duplex Cell-Free Massive MIMO. IEEE Journal on Selected Areas in Communications, 2020, 38, 1698-1718.	9.7	64
44	Classification of Space-Time Block Codes Based on Second-Order Cyclostationarity with Transmission Impairments. IEEE Transactions on Wireless Communications, 2012, 11, 2574-2584.	6.1	63
45	Multiobjective Optimization in 5G Hybrid Networks. IEEE Internet of Things Journal, 2018, 5, 1588-1597.	5.5	62
46	Intelligent Reflecting Surfaces Assisted UAV Communications for IoT Networks: Performance Analysis. IEEE Transactions on Green Communications and Networking, 2021, 5, 1029-1040.	3.5	62
47	Cooperation in 5G HetNets: Advanced Spectrum Access and D2D Assisted Communications. IEEE Wireless Communications, 2017, 24, 110-117.	6.6	61
48	Backscatter-Enabled NOMA for Future 6G Systems: A New Optimization Framework Under Imperfect SIC. IEEE Communications Letters, 2021, 25, 1669-1672.	2.5	61
49	Joint Optimization of UAV 3-D Placement and Path-Loss Factor for Energy-Efficient Maximal Coverage. IEEE Internet of Things Journal, 2021, 8, 9776-9786.	5.5	59
50	Robust Design for Intelligent Reflecting Surface-Assisted MIMO-OFDMA Terahertz IoT Networks. IEEE Internet of Things Journal, 2021, 8, 13052-13064.	5.5	57
51	Energy Efficient Beamforming Design for MISO Non-Orthogonal Multiple Access Systems. IEEE Transactions on Communications, 2019, 67, 4117-4131.	4.9	56
52	Private 5G Networks: Concepts, Architectures, and Research Landscape. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 7-25.	7.3	56
53	Digital Twin-Aided Intelligent Offloading With Edge Selection in Mobile Edge Computing. IEEE Wireless Communications Letters, 2022, 11, 806-810.	3.2	56
54	Cooperative NOMA: State of the Art, Key Techniques, and Open Challenges. IEEE Network, 2020, 34, 205-211.	4.9	55

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55	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
56	Energy-Efficient and Throughput Fair Resource Allocation for TS-NOMA UAV-Assisted Communications. IEEE Transactions on Communications, 2020, 68, 7156-7169.	4.9	53
57	VLC-Based Networking: Feasibility and Challenges. IEEE Network, 2020, 34, 158-165.	4.9	53
58	Deep Learning Optimized Sparse Antenna Activation for Reconfigurable Intelligent Surface Assisted Communication. IEEE Transactions on Communications, 2021, 69, 6691-6705.	4.9	53
59	Blind Modulation Classification Algorithm for Single and Multiple-Antenna Systems Over Frequency-Selective Channels. IEEE Signal Processing Letters, 2014, 21, 1098-1102.	2.1	51
60	Downlink Beamforming for Energy-Efficient Heterogeneous Networks With Massive MIMO and Small Cells. IEEE Transactions on Wireless Communications, 2018, 17, 3386-3400.	6.1	51
61	Joint Power Control and User Association for NOMA-Based Full-Duplex Systems. IEEE Transactions on Communications, 2019, 67, 8037-8055.	4.9	50
62	NOMA Empowered Integrated Sensing and Communication. IEEE Communications Letters, 2022, 26, 677-681.	2.5	50
63	Fourth-Order Statistics for Blind Classification of Spatial Multiplexing and Alamouti Space-Time Block Code Signals. IEEE Transactions on Communications, 2013, 61, 2420-2431.	4.9	49
64	A New Design Paradigm for Secure Full-Duplex Multiuser Systems. IEEE Journal on Selected Areas in Communications, 2018, 36, 1480-1498.	9.7	49
65	Spectral- and Energy-Efficient Resource Allocation for Multi-Carrier Uplink NOMA Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 9293-9296.	3.9	49
66	A Multiobjective Optimization Approach for Optimal Link Adaptation of OFDM-Based Cognitive Radio Systems with Imperfect Spectrum Sensing. IEEE Transactions on Wireless Communications, 2014, 13, 2339-2351.	6.1	48
67	Chirp Spread Spectrum Toward the Nyquist Signaling Rateâ€"Orthogonality Condition and Applications. IEEE Signal Processing Letters, 2017, 24, 1488-1492.	2.1	48
68	Power Allocation for Cognitive Radio Networks Employing Non-Orthogonal Multiple Access. , 2016, , .		47
69	Joint Inter-Flow Network Coding and Opportunistic Routing in Multi-Hop Wireless Mesh Networks: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 1014-1035.	24.8	47
70	On the Performance of Network NOMA in Uplink CoMP Systems: A Stochastic Geometry Approach. IEEE Transactions on Communications, 2019, 67, 5084-5098.	4.9	47
71	Likelihood-Based Algorithms for Linear Digital Modulation Classification in Fading Channels. , 2006, , .		46
72	Novel Compressed Sensing-Based Channel Estimation Algorithm and Near-Optimal Pilot Placement Scheme. IEEE Transactions on Wireless Communications, 2016, 15, 2590-2603.	6.1	46

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73	Full-Duplex Non-Orthogonal Multiple Access Cooperative Overlay Spectrum-Sharing Networks With SWIPT. IEEE Transactions on Green Communications and Networking, 2021, 5, 322-334.	3.5	45
74	Intelligent Reflecting Surface-Aided Indoor Visible Light Communication Systems. IEEE Communications Letters, 2021, 25, 3913-3917.	2.5	45
75	LiFi through Reconfigurable Intelligent Surfaces: A New Frontier for 6G?. IEEE Vehicular Technology Magazine, 2022, 17, 37-46.	2.8	45
76	Modulation Classification Using Received Signalâ€™s Amplitude Distribution for Coherent Receivers. IEEE Photonics Technology Letters, 2017, 29, 1872-1875.	1.3	44
77	Optimal Power Allocation for Full-Duplex Underwater Relay Networks With Energy Harvesting: A Reinforcement Learning Approach. IEEE Wireless Communications Letters, 2020, 9, 223-227.	3.2	44
78	Re-Configurable Intelligent Surface-Based VLC Receivers Using Tunable Liquid-Crystals: The Concept. Journal of Lightwave Technology, 2021, 39, 3193-3200.	2.7	44
79	Identification of SM-OFDM and AL-OFDM Signals Based on Their Second-Order Cyclostationarity. IEEE Transactions on Vehicular Technology, 2015, 64, 942-953.	3.9	43
80	Hierarchical Codebook-Based Multiuser Beam Training for Millimeter Wave Massive MIMO. IEEE Transactions on Wireless Communications, 2020, 19, 8142-8152.	6.1	43
81	Efficient Estimation and Prediction for Sparse Time-Varying Underwater Acoustic Channels. IEEE Journal of Oceanic Engineering, 2020, 45, 1112-1125.	2.1	42
82	Delay Minimization for NOMA-Assisted MEC Under Power and Energy Constraints. IEEE Wireless Communications Letters, 2019, 8, 1657-1661.	3.2	41
83	Robust 3D-Trajectory and Time Switching Optimization for Dual-UAV-Enabled Secure Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 3334-3347.	9.7	41
84	Analysis of RIS-Based Terrestrial-FSO Link Over G-G Turbulence With Distance and Jitter Ratios. Journal of Lightwave Technology, 2021, 39, 6746-6758.	2.7	40
85	Automatic modulation classification for mimo systems using fourth-order cumulants. , 2012, , .		38
86	Joint Modulation Classification and OSNR Estimation Enabled by Support Vector Machine. IEEE Photonics Technology Letters, 2018, 30, 2127-2130.	1.3	38
87	Cascaded Channel Estimation for RIS Assisted mmWave MIMO Transmissions. IEEE Wireless Communications Letters, 2021, 10, 2065-2069.	3.2	38
88	Rate-Splitting Multiple Access: Unifying NOMA and SDMA in MISO VLC Channels. IEEE Open Journal of Vehicular Technology, 2020, 1, 393-413.	3.4	37
89	Toward Blockchain for Edge-of-Things: A New Paradigm, Opportunities, and Future Directions. IEEE Internet of Things Magazine, 2021, 4, 102-108.	2.0	37
90	Blind Identification of Spatial Multiplexing and Alamouti Space-Time Block Code via Kolmogorov-Smirnov (K-S) Test. IEEE Communications Letters, 2014, 18, 1711-1714.	2.5	36

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91	Blind Identification of SM and Alamouti STBC-OFDM Signals. IEEE Transactions on Wireless Communications, 2015, 14, 972-982.	6.1	36
92	5G and IoT: Towards a new era of communications and measurements. IEEE Instrumentation and Measurement Magazine, 2019, 22, 18-26.	1.2	36
93	Blind STBC Identification for Multiple-Antenna OFDM Systems. IEEE Transactions on Communications, 2014, 62, 1554-1567.	4.9	35
94	Energy and Traffic Aware Full-Duplex Communications for 5G Systems. IEEE Access, 2017, 5, 11278-11290.	2.6	35
95	Joint Signal Detection and Classification Based on First-Order Cyclostationarity For Cognitive Radios. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.0	34
96	Gradient-Based Threshold Adaptation for Energy Detector in Cognitive Radio Systems. IEEE Communications Letters, 2011, 15, 19-21.	2.5	34
97	Toward the Use of Re-configurable Intelligent Surfaces in VLC Systems: Beam Steering. IEEE Wireless Communications, 2021, 28, 156-162.	6.6	34
98	Energy Efficiency Maximization in RIS-Aided Cell-Free Network With Limited Backhaul. IEEE Communications Letters, 2021, 25, 1974-1978.	2.5	34
99	A Machine Learning-Based Detection Technique for Optical Fiber Nonlinearity Mitigation. IEEE Photonics Technology Letters, 2019, 31, 627-630.	1.3	33
100	Adaptive spectrum sensing with noise variance estimation for dynamic cognitive radio systems. , 2010, , .		32
101	The classification of joint analog and digital modulations. , 2005, , .		31
102	Classification of STBC Systems Over Frequency-Selective Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 2159-2164.	3.9	31
103	Quadrature Spatial Modulation Decoding Complexity: Study and Reduction. IEEE Wireless Communications Letters, 2017, 6, 378-381.	3.2	31
104	Doppler Spread Estimation in MIMO Frequency-Selective Fading Channels. IEEE Transactions on Wireless Communications, 2018, 17, 1951-1965.	6.1	31
105	Power Minimization for Multi-Cell Uplink NOMA With Imperfect SIC. IEEE Wireless Communications Letters, 2020, 9, 2030-2034.	3.2	31
106	Second-Order Cyclostationarity of BT-SCLD Signals: Theoretical Developments and Applications to Signal Classification and Blind Parameter Estimation. IEEE Transactions on Wireless Communications, 2013, 12, 1501-1511.	6.1	30
107	On the Impact of Mode Selection on Effective Capacity of Device-to-Device Communication. IEEE Wireless Communications Letters, 2019, 8, 945-948.	3.2	30
108	Design and Implementation of a Tree-Based Blind Modulation Classification Algorithm for Multiple-Antenna Systems. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3020-3031.	2.4	30

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109	EM-Based Joint Channel Estimation and IQ Imbalances for OFDM Systems. IEEE Transactions on Broadcasting, 2012, 58, 106-113.	2.5	29
110	Full-Duplex Communications: Performance in Ultradense mm-Wave Small-Cell Wireless Networks. IEEE Vehicular Technology Magazine, 2018, 13, 40-47.	2.8	29
111	Blind Modulation Classification for Alamouti STBC System With Transmission Impairments. IEEE Wireless Communications Letters, 2015, 4, 521-524.	3.2	28
112	Second-Order Cyclostationarity-Based Detection of LTE SC-FDMA Signals for Cognitive Radio Systems. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 823-833.	2.4	27
113	Identification of Cellular Networks for Intelligent Radio Measurements. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2204-2211.	2.4	27
114	Design of Energy Efficient Hybrid VLC/RF/PLC Communication System for Indoor Networks. IEEE Wireless Communications Letters, 2020, 9, 143-147.	3.2	27
115	Delay Minimization for Massive MIMO Assisted Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 6788-6792.	3.9	27
116	Reconfigurable Intelligent Surface-Assisted Uplink Sparse Code Multiple Access. IEEE Communications Letters, 2021, 25, 2058-2062.	2.5	27
117	Ordinary Differential Equation-Based CNN for Channel Extrapolation Over RIS-Assisted Communication. IEEE Communications Letters, 2021, 25, 1921-1925.	2.5	27
118	Selection Combining for Modulation Recognition in Fading Channels. , 0, , .		26
119	Cyclostationarity-based Algorithm for Blind Recognition of OFDM and Single Carrier Linear Digital Modulations. , 2007, , .		26
120	Secured cooperative cognitive radio networks with relay selection. , 2014, , .		26
121	Large Intelligent Surface-Assisted Nonorthogonal Multiple Access for 6G Networks: Performance Analysis. IEEE Internet of Things Journal, 2021, 8, 5129-5140.	5.5	26
122	Fold-based Kolmogorovâ€“Smirnov Modulation Classifier. IEEE Signal Processing Letters, 2016, 23, 1003-1007.	2.1	25
123	Energy Management for Energy Harvesting Wireless Sensors With Adaptive Retransmission. IEEE Transactions on Communications, 2017, 65, 5487-5498.	4.9	25
124	Automatic Identification of Space-Frequency Block Coding for OFDM Systems. IEEE Transactions on Wireless Communications, 2017, 16, 117-128.	6.1	25
125	Low-Cost Uplink Sparse Code Multiple Access for Spatial Modulation. IEEE Transactions on Vehicular Technology, 2019, 68, 9313-9317.	3.9	25
126	Time Reversal Based MAC for Multi-Hop Underwater Acoustic Networks. IEEE Systems Journal, 2019, 13, 2531-2542.	2.9	25

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127	Low Complexity Neural Network Structures for Self-Interference Cancellation in Full-Duplex Radio. IEEE Communications Letters, 2021, 25, 181-185.	2.5	25
128	Identification of GSM and LTE signals using their second-order cyclostationarity. , 2015, , .		24
129	Joint Access Point Assignment and Power Allocation in Multi-Tier Hybrid RF/VLC HetNets. IEEE Transactions on Wireless Communications, 2021, 20, 6329-6342.	6.1	24
130	Cyclostationarity-Based Detection of LTE OFDM Signals for Cognitive Radio Systems. , 2010, , .		23
131	On the Second-Order Cyclic Statistics of Signals in the Presence of Receiver Impairments. IEEE Transactions on Communications, 2011, 59, 3278-3284.	4.9	23
132	Performance Analysis of Multiple-Relay Cooperative Systems With Signal Space Diversity. IEEE Transactions on Vehicular Technology, 2015, 64, 3414-3425.	3.9	23
133	Energy Efficiency Optimization for Secure Transmission in MISO Cognitive Radio Network With Energy Harvesting. IEEE Access, 2019, 7, 126234-126252.	2.6	23
134	On Energy Harvesting of Hybrid TDMA-NOMA Systems. , 2019, , .		23
135	Resource Allocation Technique for Hybrid TDMA-NOMA System with Opportunistic Time Assignment. , 2020, , .		23
136	Angle-Domain NOMA Over Multicell Millimeter Wave Massive MIMO Networks. IEEE Transactions on Communications, 2020, 68, 2277-2292.	4.9	23
137	Graph Neural Network-Based Channel Tracking for Massive MIMO Networks. IEEE Communications Letters, 2020, 24, 1747-1751.	2.5	23
138	Learning-Assisted User Clustering in Cell-Free Massive MIMO-NOMA Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 12872-12887.	3.9	23
139	Side-scan sonar image registration for AUV navigation. , 2011, , .		22
140	Simplified maximumâ€likelihood detectors for fullâ€rate alternateâ€relaying cooperative systems. IET Communications, 2013, 7, 1899-1906.	1.5	22
141	Energy-Efficient Power Loading for OFDM-Based Cognitive Radio Systems With Channel Uncertainties. IEEE Transactions on Vehicular Technology, 2015, 64, 2672-2677.	3.9	22
142	Is Self-Interference in Full-Duplex Communications a Foe or a Friend?. IEEE Signal Processing Letters, 2018, 25, 951-955.	2.1	22
143	A Fast, Accurate, and Separable Method for Fitting a Gaussian Function [Tips & Tricks]. IEEE Signal Processing Magazine, 2019, 36, 157-163.	4.6	22
144	Joint Antenna Array Mode Selection and User Assignment for Full-Duplex MU-MISO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 2946-2963.	6.1	22

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145	Deep Learning-Based Time-Varying Channel Estimation for RIS Assisted Communication. IEEE Communications Letters, 2022, 26, 94-98.	2.5	22
146	Joint Spectral Shaping and Power Control in Spectrum Overlay Cognitive Radio Systems. IEEE Transactions on Communications, 2012, 60, 2396-2401.	4.9	21
147	Optimum Low-Complexity Decoder for Spatial Modulation. IEEE Journal on Selected Areas in Communications, 2019, 37, 2001-2013.	9.7	21
148	Spectral-Energy Efficiency Trade-Off-Based Beamforming Design for MISO Non-Orthogonal Multiple Access Systems. IEEE Transactions on Wireless Communications, 2020, 19, 6593-6606.	6.1	21
149	Massive MIMO-Assisted Mobile Edge Computing: Exciting Possibilities for Computation Offloading. IEEE Vehicular Technology Magazine, 2020, 15, 31-38.	2.8	21
150	Deep Reinforcement Learning for Optimizing RIS-Assisted HD-FD Wireless Systems. IEEE Communications Letters, 2021, 25, 3893-3897.	2.5	21
151	Robust Faster-Than-Nyquist PDM-mQAM Systems With Tomlinsonâ€“Harashima Precoding. IEEE Photonics Technology Letters, 2016, 28, 2106-2109.	1.3	20
152	Joint Optimization of Bit and Power Loading for Multicarrier Systems. IEEE Wireless Communications Letters, 2013, 2, 447-450.	3.2	19
153	Reconfigurable Intelligent Surface Optimization for Uplink Sparse Code Multiple Access. IEEE Communications Letters, 2022, 26, 133-137.	2.5	19
154	Spatial Modulation in MIMO Limited-Feedback Spectrum-Sharing Systems With Mutual Interference and Channel Estimation Errors. IEEE Communications Letters, 2015, 19, 1754-1757.	2.5	18
155	Iterative Receiver Design for Uplink OFDMA Cooperative Systems. IEEE Transactions on Broadcasting, 2016, 62, 936-947.	2.5	18
156	Data Detection Algorithms for BICM Alternate-Relaying Cooperative Systems With Multiple-Antenna Destination. IEEE Transactions on Vehicular Technology, 2016, 65, 3802-3807.	3.9	18
157	A Robust Modulation Classification Method for PSK Signals Using Random Graphs. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 642-644.	2.4	18
158	Performance Analysis of Intelligent Reflecting Surface Aided Wireless Networks With Wireless Power Transfer. IEEE Communications Letters, 2021, 25, 793-797.	2.5	18
159	Energy-Efficient Resource Allocation for IRS-Assisted Multi-Antenna Uplink Systems. IEEE Wireless Communications Letters, 2021, 10, 1261-1265.	3.2	18
160	Exploiting Impacts of Antenna Selection and Energy Harvesting for Massive Network Connectivity. IEEE Transactions on Communications, 2021, 69, 7587-7602.	4.9	18
161	Joint Road Side Units Selection and Resource Allocation in Vehicular Edge Computing. IEEE Transactions on Vehicular Technology, 2021, 70, 13190-13204.	3.9	18
162	Design of a Power Amplifying-RIS for Free-Space Optical Communication Systems. IEEE Wireless Communications, 2021, 28, 152-159.	6.6	18

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163	Joint timing and frequency synchronization based on weighted CAZAC sequences for reduced-guard-interval CO-OFDM systems. Optics Express, 2015, 23, 5777.	1.7	17
164	Relay Selection to Improve Secrecy in Cooperative Threshold Decode-and-Forward Relaying. , 2016, , .		17
165	A Fair Individual Rate Comparison between MIMO-NOMA and MIMO-OMA. , 2017, , .		17
166	Performance Analysis of Network Coding with IEEE 802.11 DCF in Multi-Hop Wireless Networks. IEEE Transactions on Mobile Computing, 2018, 17, 1148-1161.	3.9	17
167	Hierarchical Full-Duplex Underwater Acoustic Network: A NOMA Approach. , 2018, , .		17
168	Enhanced Regular Perturbation-Based Nonlinearity Compensation Technique for Optical Transmission Systems. IEEE Photonics Journal, 2019, 11, 1-12.	1.0	17
169	Secrecy Performance of Small-Cell Networks With Transmitter Selection and Unreliable Backhaul Under Spectrum Sharing Environment. IEEE Transactions on Vehicular Technology, 2019, 68, 10895-10908.	3.9	17
170	VLC in Future Heterogeneous Networks: Energyâ€“ and Spectralâ€“Efficiency Optimization. , 2020, , .		17
171	Energy-Efficient Data Dissemination Using a UAV: An Ant Colony Approach. IEEE Wireless Communications Letters, 2021, 10, 16-20.	3.2	17
172	Cyclostationarity-Based Blind Classification of Analog and Digital Modulations. , 2006, , .		16
173	An adaptive matching pursuit algorithm for sparse channel estimation. , 2015, , .		16
174	Multiple-Votes Parallel Symbol-Flipping Decoding Algorithm for Non-Binary LDPC Codes. IEEE Communications Letters, 2015, 19, 905-908.	2.5	16
175	Number of Transmit Antennas Detection Using Time-Diversity of the Fading Channel. IEEE Transactions on Signal Processing, 2017, 65, 4031-4046.	3.2	16
176	Energy-Efficient Power Allocation for Uplink NOMA. , 2018, , .		16
177	Collision-Free Sequential Task Offloading for Mobile Edge Computing. IEEE Communications Letters, 2020, 24, 71-75.	2.5	16
178	On the Complexity Reduction of Uplink Sparse Code Multiple Access for Spatial Modulation. IEEE Transactions on Communications, 2020, 68, 6962-6974.	4.9	16
179	Deep Learning-Based RIS Channel Extrapolation With Element-Grouping. IEEE Wireless Communications Letters, 2021, 10, 2644-2648.	3.2	16
180	Modulation Classification Based on Fourth-Order Cumulants of Superposed Signal in NOMA Systems. IEEE Transactions on Information Forensics and Security, 2021, 16, 2885-2897.	4.5	16

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181	Deep Reinforcement Learning for RIS-Assisted FD Systems: Single or Distributed RIS?. IEEE Communications Letters, 2022, 26, 1563-1567.	2.5	16
182	Second-Order Cyclostationarity of Cyclically Prefixed Single Carrier Linear Digital Modulations with Applications to Signal Recognition. , 2008, , .		15
183	Dynamic threshold adaptation for spectrum sensing in cognitive radio systems. , 2010, , .		15
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