

Octavia A Dobre

List of Publications by Year in descending order

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252
papers

10,181
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254
docs citations

254
times ranked

6106
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.	39.4	1,698
2	Resource Allocation for Downlink NOMA Systems: Key Techniques and Open Issues. IEEE Wireless Communications, 2018, 25, 40-47.	9.0	295
3	On the likelihood-based approach to modulation classification. IEEE Transactions on Wireless Communications, 2009, 8, 5884-5892.	9.2	293
4	Capacity Comparison Between MIMO-NOMA and MIMO-OMA With Multiple Users in a Cluster. IEEE Journal on Selected Areas in Communications, 2017, 35, 2413-2424.	14.0	270
5	Joint Power and Time Allocation for NOMA's MEC Offloading. IEEE Transactions on Vehicular Technology, 2019, 68, 6207-6211.	6.3	206
6	A Prospective Look: Key Enabling Technologies, Applications and Open Research Topics in 6G Networks. IEEE Access, 2020, 8, 174792-174820.	4.2	192
7	Radio Resource Allocation Techniques for Efficient Spectrum Access in Cognitive Radio Networks. IEEE Communications Surveys and Tutorials, 2016, 18, 824-847.	39.4	173
8	Hardware Impaired Ambient Backscatter NOMA Systems: Reliability and Security. IEEE Transactions on Communications, 2021, 69, 2723-2736.	7.8	162
9	STAR-RISs: Simultaneous Transmitting and Reflecting Reconfigurable Intelligent Surfaces. IEEE Communications Letters, 2021, 25, 3134-3138.	4.1	160
10	Specific Emitter Identification via Hilbert's Huang Transform in Single-Hop and Relaying Scenarios. IEEE Transactions on Information Forensics and Security, 2016, 11, 1192-1205.	6.9	152
11	Signal identification for emerging intelligent radios: classical problems and new challenges. IEEE Instrumentation and Measurement Magazine, 2015, 18, 11-18.	1.6	149
12	Sum Rate Maximization for IRS-Assisted Uplink NOMA. IEEE Communications Letters, 2021, 25, 234-238.	4.1	144
13	On the Sum Rate of MIMO-NOMA and MIMO-OMA Systems. IEEE Wireless Communications Letters, 2017, 6, 534-537.	5.0	134
14	Energy-Efficient Joint User-RB Association and Power Allocation for Uplink Hybrid NOMA-OMA. IEEE Internet of Things Journal, 2019, 6, 5119-5131.	8.7	110
15	Cyclostationarity-Based Robust Algorithms for QAM Signal Identification. IEEE Communications Letters, 2012, 16, 12-15.	4.1	109
16	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.	3.4	106
17	Coverage Characterization of STAR-RIS Networks: NOMA and OMA. IEEE Communications Letters, 2021, 25, 3036-3040.	4.1	104
18	An Efficient Specific Emitter Identification Method Based on Complex-Valued Neural Networks and Network Compression. IEEE Journal on Selected Areas in Communications, 2021, 39, 2305-2317.	14.0	103

#	ARTICLE	IF	CITATIONS
19	Energy-Efficient Power Allocation for MIMO-NOMA With Multiple Users in a Cluster. IEEE Access, 2018, 6, 5170-5181.	4.2	100
20	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.	10.8	99
21	A Survey on Fiber Nonlinearity Compensation for 400 Gb/s and Beyond Optical Communication Systems. IEEE Communications Surveys and Tutorials, 2017, 19, 3097-3113.	39.4	95
22	Signal Identification for Multiple-Antenna Wireless Systems: Achievements and Challenges. IEEE Communications Surveys and Tutorials, 2016, 18, 1524-1551.	39.4	90
23	Low Complexity Automatic Modulation Classification Based on Order-Statistics. IEEE Transactions on Wireless Communications, 2017, 16, 400-411.	9.2	87
24	Energy Efficiencyâ€”Spectral Efficiency Tradeoff: A Multiobjective Optimization Approach. IEEE Transactions on Vehicular Technology, 2016, 65, 1975-1981.	6.3	83
25	A Low Complexity Modulation Classification Algorithm for MIMO Systems. IEEE Communications Letters, 2013, 17, 1881-1884.	4.1	79
26	All Technologies Work Together for Good: A Glance at Future Mobile Networks. IEEE Wireless Communications, 2018, 25, 10-16.	9.0	79
27	Energy-Efficient Power Allocation in Uplink mmWave Massive MIMO With NOMA. IEEE Transactions on Vehicular Technology, 2019, 68, 3000-3004.	6.3	79
28	Energy-Constrained UAV-Assisted Secure Communications With Position Optimization and Cooperative Jamming. IEEE Transactions on Communications, 2020, 68, 4476-4489.	7.8	72
29	Joint Information and Jamming Beamforming for Secrecy Rate Maximization in Cognitive Radio Networks. IEEE Transactions on Information Forensics and Security, 2016, 11, 2609-2623.	6.9	71
30	Decision Fusion for IoT-Based Wireless Sensor Networks. IEEE Internet of Things Journal, 2020, 7, 1313-1326.	8.7	71
31	Cyclostationarity-Based Modulation Classification of Linear Digital Modulations in Flat Fading Channels. Wireless Personal Communications, 2010, 54, 699-717.	2.7	70
32	Task Scheduling for Mobile Edge Computing Using Genetic Algorithm and Conflict Graphs. IEEE Transactions on Vehicular Technology, 2020, 69, 8805-8819.	6.3	70
33	A New Path Division Multiple Access for the Massive MIMO-OTFS Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 903-918.	14.0	69
34	Large Intelligent Surface Assisted Wireless Communications With Spatial Modulation and Antenna Selection. IEEE Journal on Selected Areas in Communications, 2020, 38, 2562-2574.	14.0	65
35	Securing Downlink Massive MIMO-NOMA Networks With Artificial Noise. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 685-699.	10.8	64
36	Intelligent Reflecting Surface Enhanced Millimeter-Wave NOMA Systems. IEEE Communications Letters, 2020, 24, 2632-2636.	4.1	64

#	ARTICLE	IF	CITATIONS
37	On the Spectral and Energy Efficiencies of Full-Duplex Cell-Free Massive MIMO. IEEE Journal on Selected Areas in Communications, 2020, 38, 1698-1718.	14.0	64
38	Classification of Space-Time Block Codes Based on Second-Order Cyclostationarity with Transmission Impairments. IEEE Transactions on Wireless Communications, 2012, 11, 2574-2584.	9.2	63
39	Intelligent Reflecting Surfaces Assisted UAV Communications for IoT Networks: Performance Analysis. IEEE Transactions on Green Communications and Networking, 2021, 5, 1029-1040.	5.5	62
40	Cooperation in 5G HetNets: Advanced Spectrum Access and D2D Assisted Communications. IEEE Wireless Communications, 2017, 24, 110-117.	9.0	61
41	Backscatter-Enabled NOMA for Future 6G Systems: A New Optimization Framework Under Imperfect SIC. IEEE Communications Letters, 2021, 25, 1669-1672.	4.1	61
42	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.	8.7	59
43	Robust Design for Intelligent Reflecting Surface-Assisted MIMO-OFDMA Terahertz IoT Networks. IEEE Internet of Things Journal, 2021, 8, 13052-13064.	8.7	57
44	Energy Efficient Beamforming Design for MISO Non-Orthogonal Multiple Access Systems. IEEE Transactions on Communications, 2019, 67, 4117-4131.	7.8	56
45	Digital Twin-Aided Intelligent Offloading With Edge Selection in Mobile Edge Computing. IEEE Wireless Communications Letters, 2022, 11, 806-810.	5.0	56
46	Energy-Efficient and Throughput Fair Resource Allocation for TS-NOMA UAV-Assisted Communications. IEEE Transactions on Communications, 2020, 68, 7156-7169.	7.8	53
47	VLC-Based Networking: Feasibility and Challenges. IEEE Network, 2020, 34, 158-165.	6.9	53
48	Deep Learning Optimized Sparse Antenna Activation for Reconfigurable Intelligent Surface Assisted Communication. IEEE Transactions on Communications, 2021, 69, 6691-6705.	7.8	53
49	Downlink Beamforming for Energy-Efficient Heterogeneous Networks With Massive MIMO and Small Cells. IEEE Transactions on Wireless Communications, 2018, 17, 3386-3400.	9.2	51
50	Joint Power Control and User Association for NOMA-Based Full-Duplex Systems. IEEE Transactions on Communications, 2019, 67, 8037-8055.	7.8	50
51	Fourth-Order Statistics for Blind Classification of Spatial Multiplexing and Alamouti Space-Time Block Code Signals. IEEE Transactions on Communications, 2013, 61, 2420-2431.	7.8	49
52	A New Design Paradigm for Secure Full-Duplex Multiuser Systems. IEEE Journal on Selected Areas in Communications, 2018, 36, 1480-1498.	14.0	49
53	Spectral- and Energy-Efficient Resource Allocation for Multi-Carrier Uplink NOMA Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 9293-9296.	6.3	49
54	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.	9.2	48

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55	Chirp Spread Spectrum Toward the Nyquist Signaling Rate—Orthogonality Condition and Applications. IEEE Signal Processing Letters, 2017, 24, 1488-1492.	3.6	48
56	Power Allocation for Cognitive Radio Networks Employing Non-Orthogonal Multiple Access. , 2016, , .		47
57	On the Performance of Network NOMA in Uplink CoMP Systems: A Stochastic Geometry Approach. IEEE Transactions on Communications, 2019, 67, 5084-5098.	7.8	47
58	Likelihood-Based Algorithms for Linear Digital Modulation Classification in Fading Channels. , 2006, , .		46
59	Novel Compressed Sensing-Based Channel Estimation Algorithm and Near-Optimal Pilot Placement Scheme. IEEE Transactions on Wireless Communications, 2016, 15, 2590-2603.	9.2	46
60	Full-Duplex Non-Orthogonal Multiple Access Cooperative Overlay Spectrum-Sharing Networks With SWIPT. IEEE Transactions on Green Communications and Networking, 2021, 5, 322-334.	5.5	45
61	Intelligent Reflecting Surface-Aided Indoor Visible Light Communication Systems. IEEE Communications Letters, 2021, 25, 3913-3917.	4.1	45
62	LiFi through Reconfigurable Intelligent Surfaces: A New Frontier for 6G?. IEEE Vehicular Technology Magazine, 2022, 17, 37-46.	3.4	45
63	Modulation Classification Using Received Signal's Amplitude Distribution for Coherent Receivers. IEEE Photonics Technology Letters, 2017, 29, 1872-1875.	2.5	44
64	Optimal Power Allocation for Full-Duplex Underwater Relay Networks With Energy Harvesting: A Reinforcement Learning Approach. IEEE Wireless Communications Letters, 2020, 9, 223-227.	5.0	44
65	Re-Configurable Intelligent Surface-Based VLC Receivers Using Tunable Liquid-Crystals: The Concept. Journal of Lightwave Technology, 2021, 39, 3193-3200.	4.6	44
66	Identification of SM-OFDM and AL-OFDM Signals Based on Their Second-Order Cyclostationarity. IEEE Transactions on Vehicular Technology, 2015, 64, 942-953.	6.3	43
67	Delay Minimization for NOMA-Assisted MEC Under Power and Energy Constraints. IEEE Wireless Communications Letters, 2019, 8, 1657-1661.	5.0	41
68	Robust 3D-Trajectory and Time Switching Optimization for Dual-UAV-Enabled Secure Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 3334-3347.	14.0	41
69	Automatic modulation classification for mimo systems using fourth-order cumulants. , 2012, , .		38
70	Joint Modulation Classification and OSNR Estimation Enabled by Support Vector Machine. IEEE Photonics Technology Letters, 2018, 30, 2127-2130.	2.5	38
71	Rate-Splitting Multiple Access: Unifying NOMA and SDMA in MISO VLC Channels. IEEE Open Journal of Vehicular Technology, 2020, 1, 393-413.	4.9	37
72	Blind Identification of Spatial Multiplexing and Alamouti Space-Time Block Code via Kolmogorov-Smirnov (K-S) Test. IEEE Communications Letters, 2014, 18, 1711-1714.	4.1	36

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73	Blind Identification of SM and Alamouti STBC-OFDM Signals. IEEE Transactions on Wireless Communications, 2015, 14, 972-982.	9.2	36
74	5G and IoT: Towards a new era of communications and measurements. IEEE Instrumentation and Measurement Magazine, 2019, 22, 18-26.	1.6	36
75	Blind STBC Identification for Multiple-Antenna OFDM Systems. IEEE Transactions on Communications, 2014, 62, 1554-1567.	7.8	35
76	Energy and Traffic Aware Full-Duplex Communications for 5G Systems. IEEE Access, 2017, 5, 11278-11290.	4.2	35
77	Gradient-Based Threshold Adaptation for Energy Detector in Cognitive Radio Systems. IEEE Communications Letters, 2011, 15, 19-21.	4.1	34
78	Toward the Use of Re-configurable Intelligent Surfaces in VLC Systems: Beam Steering. IEEE Wireless Communications, 2021, 28, 156-162.	9.0	34
79	Energy Efficiency Maximization in RIS-Aided Cell-Free Network With Limited Backhaul. IEEE Communications Letters, 2021, 25, 1974-1978.	4.1	34
80	A Machine Learning-Based Detection Technique for Optical Fiber Nonlinearity Mitigation. IEEE Photonics Technology Letters, 2019, 31, 627-630.	2.5	33
81	Classification of STBC Systems Over Frequency-Selective Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 2159-2164.	6.3	31
82	Quadrature Spatial Modulation Decoding Complexity: Study and Reduction. IEEE Wireless Communications Letters, 2017, 6, 378-381.	5.0	31
83	Doppler Spread Estimation in MIMO Frequency-Selective Fading Channels. IEEE Transactions on Wireless Communications, 2018, 17, 1951-1965.	9.2	31
84	Power Minimization for Multi-Cell Uplink NOMA With Imperfect SIC. IEEE Wireless Communications Letters, 2020, 9, 2030-2034.	5.0	31
85	On the Impact of Mode Selection on Effective Capacity of Device-to-Device Communication. IEEE Wireless Communications Letters, 2019, 8, 945-948.	5.0	30
86	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.	4.7	30
87	EM-Based Joint Channel Estimation and IQ Imbalances for OFDM Systems. IEEE Transactions on Broadcasting, 2012, 58, 106-113.	3.2	29
88	Full-Duplex Communications: Performance in Ultradense mm-Wave Small-Cell Wireless Networks. IEEE Vehicular Technology Magazine, 2018, 13, 40-47.	3.4	29
89	Blind Modulation Classification for Alamouti STBC System With Transmission Impairments. IEEE Wireless Communications Letters, 2015, 4, 521-524.	5.0	28
90	Identification of Cellular Networks for Intelligent Radio Measurements. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2204-2211.	4.7	27

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91	Design of Energy Efficient Hybrid VLC/RF/PLC Communication System for Indoor Networks. IEEE Wireless Communications Letters, 2020, 9, 143-147.	5.0	27
92	Reconfigurable Intelligent Surface-Assisted Uplink Sparse Code Multiple Access. IEEE Communications Letters, 2021, 25, 2058-2062.	4.1	27
93	Ordinary Differential Equation-Based CNN for Channel Extrapolation Over RIS-Assisted Communication. IEEE Communications Letters, 2021, 25, 1921-1925.	4.1	27
94	Large Intelligent Surface-Assisted Nonorthogonal Multiple Access for 6G Networks: Performance Analysis. IEEE Internet of Things Journal, 2021, 8, 5129-5140.	8.7	26
95	Fold-based Kolmogorov-Smirnov Modulation Classifier. IEEE Signal Processing Letters, 2016, 23, 1003-1007.	3.6	25
96	Energy Management for Energy Harvesting Wireless Sensors With Adaptive Retransmission. IEEE Transactions on Communications, 2017, 65, 5487-5498.	7.8	25
97	Automatic Identification of Space-Frequency Block Coding for OFDM Systems. IEEE Transactions on Wireless Communications, 2017, 16, 117-128.	9.2	25
98	Low-Cost Uplink Sparse Code Multiple Access for Spatial Modulation. IEEE Transactions on Vehicular Technology, 2019, 68, 9313-9317.	6.3	25
99	Time Reversal Based MAC for Multi-Hop Underwater Acoustic Networks. IEEE Systems Journal, 2019, 13, 2531-2542.	4.6	25
100	Low Complexity Neural Network Structures for Self-Interference Cancellation in Full-Duplex Radio. IEEE Communications Letters, 2021, 25, 181-185.	4.1	25
101	Joint Access Point Assignment and Power Allocation in Multi-Tier Hybrid RF/VLC HetNets. IEEE Transactions on Wireless Communications, 2021, 20, 6329-6342.	9.2	24
102	On the Second-Order Cyclic Statistics of Signals in the Presence of Receiver Impairments. IEEE Transactions on Communications, 2011, 59, 3278-3284.	7.8	23
103	Energy Efficiency Optimization for Secure Transmission in MISO Cognitive Radio Network With Energy Harvesting. IEEE Access, 2019, 7, 126234-126252.	4.2	23
104	On Energy Harvesting of Hybrid TDMA-NOMA Systems. , 2019, , .		23
105	Resource Allocation Technique for Hybrid TDMA-NOMA System with Opportunistic Time Assignment. , 2020, , .		23
106	Graph Neural Network-Based Channel Tracking for Massive MIMO Networks. IEEE Communications Letters, 2020, 24, 1747-1751.	4.1	23
107	Learning-Assisted User Clustering in Cell-Free Massive MIMO-NOMA Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 12872-12887.	6.3	23
108	Simplified maximum-likelihood detectors for full-rate alternate-relaying cooperative systems. IET Communications, 2013, 7, 1899-1906.	2.2	22

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109	Energy-Efficient Power Loading for OFDM-Based Cognitive Radio Systems With Channel Uncertainties. IEEE Transactions on Vehicular Technology, 2015, 64, 2672-2677.	6.3	22
110	Is Self-Interference in Full-Duplex Communications a Foe or a Friend?. IEEE Signal Processing Letters, 2018, 25, 951-955.	3.6	22
111	Joint Antenna Array Mode Selection and User Assignment for Full-Duplex MU-MISO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 2946-2963.	9.2	22
112	Deep Learning-Based Time-Varying Channel Estimation for RIS Assisted Communication. IEEE Communications Letters, 2022, 26, 94-98.	4.1	22
113	Joint Spectral Shaping and Power Control in Spectrum Overlay Cognitive Radio Systems. IEEE Transactions on Communications, 2012, 60, 2396-2401.	7.8	21
114	Optimum Low-Complexity Decoder for Spatial Modulation. IEEE Journal on Selected Areas in Communications, 2019, 37, 2001-2013.	14.0	21
115	Spectral-Energy Efficiency Trade-Off-Based Beamforming Design for MISO Non-Orthogonal Multiple Access Systems. IEEE Transactions on Wireless Communications, 2020, 19, 6593-6606.	9.2	21
116	Massive MIMO-Assisted Mobile Edge Computing: Exciting Possibilities for Computation Offloading. IEEE Vehicular Technology Magazine, 2020, 15, 31-38.	3.4	21
117	Deep Reinforcement Learning for Optimizing RIS-Assisted HD-FD Wireless Systems. IEEE Communications Letters, 2021, 25, 3893-3897.	4.1	21
118	Robust Faster-Than-Nyquist PDM-mQAM Systems With Tomlinson-Harashima Precoding. IEEE Photonics Technology Letters, 2016, 28, 2106-2109.	2.5	20
119	Joint Optimization of Bit and Power Loading for Multicarrier Systems. IEEE Wireless Communications Letters, 2013, 2, 447-450.	5.0	19
120	Reconfigurable Intelligent Surface Optimization for Uplink Sparse Code Multiple Access. IEEE Communications Letters, 2022, 26, 133-137.	4.1	19
121	Iterative Receiver Design for Uplink OFDMA Cooperative Systems. IEEE Transactions on Broadcasting, 2016, 62, 936-947.	3.2	18
122	Data Detection Algorithms for BICM Alternate-Relaying Cooperative Systems With Multiple-Antenna Destination. IEEE Transactions on Vehicular Technology, 2016, 65, 3802-3807.	6.3	18
123	A Robust Modulation Classification Method for PSK Signals Using Random Graphs. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 642-644.	4.7	18
124	Performance Analysis of Intelligent Reflecting Surface Aided Wireless Networks With Wireless Power Transfer. IEEE Communications Letters, 2021, 25, 793-797.	4.1	18
125	Energy-Efficient Resource Allocation for IRS-Assisted Multi-Antenna Uplink Systems. IEEE Wireless Communications Letters, 2021, 10, 1261-1265.	5.0	18
126	Joint Road Side Units Selection and Resource Allocation in Vehicular Edge Computing. IEEE Transactions on Vehicular Technology, 2021, 70, 13190-13204.	6.3	18

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127	Design of a Power Amplifying-RIS for Free-Space Optical Communication Systems. IEEE Wireless Communications, 2021, 28, 152-159.	9.0	18
128	Relay Selection to Improve Secrecy in Cooperative Threshold Decode-and-Forward Relaying. , 2016, , .		17
129	A Fair Individual Rate Comparison between MIMO-NOMA and MIMO-OMA. , 2017, , .		17
130	Hierarchical Full-Duplex Underwater Acoustic Network: A NOMA Approach. , 2018, , .		17
131	Enhanced Regular Perturbation-Based Nonlinearity Compensation Technique for Optical Transmission Systems. IEEE Photonics Journal, 2019, 11, 1-12.	2.0	17
132	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.	6.3	17
133	VLC in Future Heterogeneous Networks: Energy and Spectral Efficiency Optimization. , 2020, , .		17
134	Energy-Efficient Data Dissemination Using a UAV: An Ant Colony Approach. IEEE Wireless Communications Letters, 2021, 10, 16-20.	5.0	17
135	An adaptive matching pursuit algorithm for sparse channel estimation. , 2015, , .		16
136	Number of Transmit Antennas Detection Using Time-Diversity of the Fading Channel. IEEE Transactions on Signal Processing, 2017, 65, 4031-4046.	5.3	16
137	Energy-Efficient Power Allocation for Uplink NOMA. , 2018, , .		16
138	Collision-Free Sequential Task Offloading for Mobile Edge Computing. IEEE Communications Letters, 2020, 24, 71-75.	4.1	16
139	On the Complexity Reduction of Uplink Sparse Code Multiple Access for Spatial Modulation. IEEE Transactions on Communications, 2020, 68, 6962-6974.	7.8	16
140	Deep Learning-Based RIS Channel Extrapolation With Element-Grouping. IEEE Wireless Communications Letters, 2021, 10, 2644-2648.	5.0	16
141	Modulation Classification Based on Fourth-Order Cumulants of Superposed Signal in NOMA Systems. IEEE Transactions on Information Forensics and Security, 2021, 16, 2885-2897.	6.9	16
142	Deep Reinforcement Learning for RIS-Assisted FD Systems: Single or Distributed RIS?. IEEE Communications Letters, 2022, 26, 1563-1567.	4.1	16
143	Cooperative AF Relaying With Beamforming and Limited Feedback in Cognitive Radio Networks. IEEE Communications Letters, 2015, 19, 491-494.	4.1	15
144	Codebook-Based Max-Min Energy-Efficient Resource Allocation for Uplink mmWave MIMO-NOMA Systems. IEEE Transactions on Communications, 2019, 67, 8303-8314.	7.8	15

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145	A Non-Data-Aided OSNR Estimation Algorithm for Coherent Optical Fiber Communication Systems Employing Multilevel Constellations. <i>Journal of Lightwave Technology</i> , 2019, 37, 3815-3825.	4.6	15
146	Energy Efficiency Fairness Beamforming Designs for MISO NOMA Systems. , 2019, , .		15
147	Semi-Blind Interference Aligned NOMA for Downlink MU-MISO Systems. <i>IEEE Transactions on Communications</i> , 2020, 68, 1852-1865.	7.8	15
148	An Outlook on the Interplay of Artificial Intelligence and Software-Defined Metasurfaces: An Overview of Opportunities and Limitations. <i>IEEE Vehicular Technology Magazine</i> , 2020, 15, 62-73.	3.4	15
149	Exploiting Deep Learning for Secure Transmission in an Underlay Cognitive Radio Network. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 726-741.	6.3	15
150	Decoding techniques for alternate-relaying BICM cooperative systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2013, 2013, .	2.4	14
151	Joint Blind Identification of the Number of Transmit Antennas and MIMO Schemes Using Gerschgorin Radii and FNN. <i>IEEE Transactions on Wireless Communications</i> , 2019, 18, 373-387.	9.2	14
152	Security Improvement for Energy Harvesting Based Overlay Cognitive Networks With Jamming-Assisted Full-Duplex Destinations. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 12232-12237.	6.3	14
153	Spectral-Energy Efficiency Trade-Off Based Design for Hybrid TDMA-NOMA System. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 3377-3382.	6.3	14
154	A Novel Blind Block Timing and Frequency Synchronization Algorithm for Alamouti STBC. <i>IEEE Communications Letters</i> , 2013, 17, 569-572.	4.1	13
155	Robust Energy-Efficient Design for MISO Non-Orthogonal Multiple Access Systems. <i>IEEE Transactions on Communications</i> , 2019, 67, 7937-7949.	7.8	13
156	Using Bender's Decomposition for Optimal Power Control and Routing in Multihop D2D Cellular Systems. <i>IEEE Transactions on Wireless Communications</i> , 2019, 18, 5050-5064.	9.2	13
157	Downlink Multi-Carrier NOMA With Opportunistic Bandwidth Allocations. <i>IEEE Wireless Communications Letters</i> , 2021, 10, 2426-2429.	5.0	13
158	Non-Orthogonal Multiple Access with Wireless Caching for 5G-Enabled Vehicular Networks. <i>IEEE Network</i> , 2020, 34, 127-133.	6.9	12
159	Deep Learning Based Channel Extrapolation for Large-Scale Antenna Systems: Opportunities, Challenges and Solutions. <i>IEEE Wireless Communications</i> , 2021, 28, 160-167.	9.0	12
160	Effective Capacity Analysis of HARQ-Enabled D2D Communication in Multi-Tier Cellular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 9144-9159.	6.3	12
161	Joint classification and parameter estimation of M-FSK signals for cognitive radio. , 2012, , .		11
162	Blind Identification of SFBC-OFDM Signals Using Subspace Decompositions and Random Matrix Theory. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 9619-9630.	6.3	11

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163	Outage Performance of Full-Duplex Overlay CR-NOMA Networks with SWIPT. , 2019, , .		11
164	Iterative Modulation Classification Algorithm for Two-Path Successive Relaying Systems. IEEE Wireless Communications Letters, 2021, 10, 2017-2021.	5.0	11
165	Joint Optimization of Trajectory and Resource Allocation for Time-Constrained UAV-Enabled Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 5576-5580.	6.3	11
166	Opportunistic Energy-Aware Amplify-and-Forward Cooperative Systems With Imperfect CSI. IEEE Transactions on Vehicular Technology, 2016, 65, 4875-4886.	6.3	10
167	Cognitive Heterogeneous Networks with Best Relay Selection over Unreliable Backhaul Connections. , 2017, , .		10
168	Low Complexity Decoders for Spatial and Quadrature Spatial Modulations - Invited Paper. , 2018, , .		10
169	Incremental Relaying for Power Line Communications: Performance Analysis and Power Allocation. IEEE Systems Journal, 2019, 13, 4236-4247.	4.6	10
170	Energy Efficient Subchannel and Power Allocation in Cooperative VLC Systems. IEEE Communications Letters, 2021, 25, 1935-1939.	4.1	10
171	An efficient algorithm for space-time block code classification. , 2013, , .		9
172	Blind Cyclostationarity-Based Symbol Period Estimation for FSK Signals. IEEE Communications Letters, 2015, 19, 1149-1152.	4.1	9
173	Unbiased Channel Estimation Based on the Discrete Fresnel Transform for CO-OFDM Systems. IEEE Photonics Technology Letters, 2017, 29, 691-694.	2.5	9
174	A Two-Phase Power Allocation Scheme for CRNs Employing NOMA. , 2017, , .		9
175	Sequential Task Scheduling for Mobile Edge Computing Using Genetic Algorithm. , 2019, , .		9
176	CITP: Collision and Interruption Tolerant Protocol for Underwater Acoustic Sensor Networks. IEEE Communications Letters, 2020, 24, 1328-1332.	4.1	9
177	Age-Optimal Information Gathering in Linear Underwater Networks: A Deep Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 13129-13138.	6.3	9
178	Blind signal identification: Achievements, trends, and challenges. , 2012, , .		8
179	Novel algorithm for STBC-OFDM identification in cognitive radios. , 2013, , .		8
180	Energy efficiency and spectral efficiency trade-off for OFDM systems with imperfect channel estimation. , 2014, , .		8

#	ARTICLE	IF	CITATIONS
181	Spatial Channel Estimation-Based FDD-MIMO Interference Alignment Systems. IEEE Wireless Communications Letters, 2017, 6, 254-257.	5.0	8
182	Blind Modulation Classification of Different Variants of QPSK and 8-PSK for Multiple-Antenna Systems with Transmission Impairments. , 2018, , .		8
183	Sensing-Throughput Tradeoff for Superior Selective Reporting-Based Spectrum Sensing in Energy Harvesting HCRNs. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 330-341.	7.9	8
184	Securing Massive MIMO-NOMA Networks with ZF Beamforming and Artificial Noise. , 2019, , .		8
185	On the Effective Capacity of an Underwater Acoustic Channel under Impersonation Attack. , 2020, , .		8
186	Device-to-Device Aided Cooperative NOMA Transmission Exploiting Overheard Signal. IEEE Transactions on Wireless Communications, 2022, 21, 1304-1318.	9.2	8
187	Blind Modulation Identification Algorithm For Two-Path Successive Relaying Systems. IEEE Wireless Communications Letters, 2021, 10, 2369-2373.	5.0	8
188	Second-Order Perturbation Theory-Based Digital Predistortion for Fiber Nonlinearity Compensation. Journal of Lightwave Technology, 2021, 39, 5474-5485.	4.6	8
189	Battery Recharging Time Models for Reconfigurable Intelligent Surfaces-Assisted Wireless Power Transfer Systems. IEEE Transactions on Green Communications and Networking, 2022, 6, 1173-1185.	5.5	8
190	Subchannel and Power Allocation in Downlink VLC Under Different System Configurations. IEEE Transactions on Wireless Communications, 2022, 21, 3179-3191.	9.2	8
191	User admissibility in uplink wireless systems with multipath and target SINR requirements. IEEE Communications Letters, 2010, 14, 106-108.	4.1	7
192	A Novel Energy Efficient Scheme With a Finite-Rate Feedback Channel. IEEE Wireless Communications Letters, 2014, 3, 497-500.	5.0	7
193	Rate-Interference Tradeoff in OFDM-Based Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 4292-4298.	6.3	7
194	Blind Identification of SFBC-OFDM Signals Based on the Central Limit Theorem. IEEE Transactions on Wireless Communications, 2019, 18, 3500-3514.	9.2	7
195	Sum Rate Fairness Trade-off-based Resource Allocation Technique for MISO NOMA Systems. , 2019, , .		7
196	Massive Uncoordinated Multiple Access for Beyond 5G. IEEE Transactions on Wireless Communications, 2022, 21, 2969-2986.	9.2	7
197	Artificial Noise Aided Secure Communications for Cooperative NOMA Networks. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 946-963.	7.9	7
198	Second-Order Statistics-Based Blind Synchronization Algorithm for Two Receive-Antenna Orthogonal STBC Systems. IEEE Communications Letters, 2014, 18, 1115-1118.	4.1	6

#	ARTICLE	IF	CITATIONS
199	Incremental Selective Decode-and-Forward Relaying for Power Line Communication. , 2017, , .		6
200	Stackelberg Game-Based Energy Efficient Power Allocation for Heterogeneous NOMA Networks. , 2018, , .		6
201	Energy-Efficient Power Allocation for Hybrid Multiple Access Systems. , 2018, , .		6
202	On the Security of Full-Duplex Relay-Assisted Underwater Acoustic Network With NOMA. IEEE Transactions on Vehicular Technology, 2022, 71, 6255-6265.	6.3	6
203	Hybrid-Layers Neural Network Architectures for Modeling the Self-Interference in Full-Duplex Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 6291-6307.	6.3	6
204	Cognitive Radios Equipped With Modulation and STBC Recognition Over Coded Transmissions. IEEE Wireless Communications Letters, 2022, 11, 1513-1517.	5.0	6
205	On performance bounds for joint parameter estimation and modulation classification. , 2007, , .		5
206	Spectrum allocation and power control in OFDM-based cognitive radios with target SINR constraints. , 2010, , .		5
207	Joint transmitter adaptation and power control in multi-user wireless systems with target SIR requirements. , 2010, , .		5
208	Fourth-order moment-based identification of SM and Alamouti STBC for cognitive radio. , 2012, , .		5
209	On the Identification of SM and Alamouti-Coded SC-FDMA Signals: A Statistical-Based Approach. IEEE Transactions on Vehicular Technology, 2016, 65, 10079-10084.	6.3	5
210	Time and Carrier Frequency Synchronization for Coherent Optical Communication: Implementation Considerations, Measurements, and Analysis. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5810-5820.	4.7	5
211	An Efficient Topology Discovery Protocol with Node ID Assignment Based on Layered Model for Underwater Acoustic Networks. Sensors, 2020, 20, 6601.	3.8	5
212	The Concept of Time Sharing NOMA into UAV-Enabled Communications: An Energy-Efficient Approach. , 2020, , .		5
213	Energy-Efficient Joint Power Control and Receiver Design for Uplink mmWave-NOMA. , 2020, , .		5
214	Role Assignment for Spatially-Correlated Data Aggregation Using Multi-Sink Internet of Underwater Things. IEEE Transactions on Green Communications and Networking, 2021, 5, 1570-1579.	5.5	5
215	Age- and Correlation-Aware Information Gathering. IEEE Wireless Communications Letters, 2022, 11, 273-277.	5.0	5
216	On the Capacity of RIS-Assisted Intensity-Modulation Optical Channels. IEEE Communications Letters, 2022, 26, 389-393.	4.1	5

#	ARTICLE	IF	CITATIONS
217	Reinforcement Learning-based Energy-Efficient Power Allocation for Underwater Full-Duplex Relay Network with Energy Harvesting. , 2020, , .		5
218	Path Loss of RIS-Aided Spatial Modulation With On/Off Pattern. IEEE Communications Letters, 2022, 26, 937-941.	4.1	5
219	Analysis of mobility impact on interference in cognitive radio networks. Physical Communication, 2013, 9, 212-222.	2.1	4
220	Blind identification of SM and alamouti STBC signals based on fourth-order statistics. , 2013, , .		4
221	Secrecy Performance of Dual-Hop Threshold Relaying System with Diversity Reception. , 2016, , .		4
222	Bandwidth-efficient synchronization for fiber optic transmission: system performance measurements. IEEE Instrumentation and Measurement Magazine, 2017, 20, 39-45.	1.6	4
223	Energy-Efficient Spatially-Correlated Data Aggregation Using Unmanned Aerial Vehicles. , 2020, , .		4
224	Role Assignment for Energy-Efficient Data Gathering Using Internet of Underwater Things. , 2020, , .		4
225	Insecure Region Around Receiver for Downlink Transmissions With Randomly Located Active Eavesdropper. IEEE Wireless Communications Letters, 2020, 9, 1552-1556.	5.0	4
226	Energy-efficient Joint Beamforming Design for IRS-assisted MISO System. , 2021, , .		4
227	OSNR Estimation Algorithm for Higher-order Modulation Formats in Coherent Optical Systems. , 2017, , .		4
228	Energy Efficiency Optimization for Secure Transmission in a MIMO-NOMA System. , 2020, , .		3
229	Detection and Identification of Mobile Network Signals. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-4.	4.7	3
230	A Joint Beamforming and Power-Splitter Optimization Technique for SWIPT in MISO-NOMA System. IEEE Access, 2021, 9, 33018-33029.	4.2	3
231	Receiver design for alternate-relaying cooperative systems with multiple antennas at the destination. , 2013, , .		2
232	Experimental results for M-FSK signal classification and parameter estimation. , 2013, , .		2
233	Non-Data-Aided SNR Estimation for Multiple Antenna Systems. , 2016, , .		2
234	Joint Power Control and Routing in Multihop D2D Assisted Cellular Systems. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
235	Directional Spatial Channel Estimation for Massive FD-MIMO in Next Generation 5G Networks. , 2018, , .		2
236	Optimal Interference Management, Power Control and Routing in Multihop D2D Cellular Systems. , 2019, , .		2
237	Blind Signal Detection in Cellular Bands. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 657-659.	4.7	2
238	Sum Rate Analysis of Generalized Space Shift Keying-Aided MIMO-NOMA Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 7232-7236.	6.3	2
239	NOMA for Wireless-Powered Communication Networks With Buffered Sources. IEEE Transactions on Vehicular Technology, 2021, 70, 9088-9102.	6.3	2
240	Reliable Detection for Spatial Modulation Systems. , 2020, , .		2
241	Perturbation-aided deep neural network for dual-polarization optical communication systems. , 2022, , .		2
242	STBC Recognition for OFDM Transmissions: Channel Decoder Aided Algorithm. IEEE Communications Letters, 2022, 26, 1658-1662.	4.1	2
243	Decoding techniques for coded full-rate cooperative systems. , 2012, , .		1
244	Rate-interference tradeoff in OFDM-based cognitive radio networks. , 2014, , .		1
245	Training-Aided Joint Frame and Frequency Synchronization for THP FTN Coherent Optical Systems. , 2018, , .		1
246	Fiber Nonlinearity Mitigation via the Parzen Window Classifier for Dispersion Managed and Unmanaged Links. , 2019, , .		1
247	Defending Against Randomly Located Eavesdroppers by Establishing a Protecting Region. Sensors, 2020, 20, 438.	3.8	1
248	Secure Transmission Design Based on the Geographical Location of Eavesdropper. , 2021, , .		1
249	Spatial Modulation in MIMO Spectrum-Sharing Systems with Imperfect Channel Estimation and Multiple Primary Users. , 2014, , .		0
250	Spatial Modulation in MIMO Cognitive Radio Networks with Channel Estimation Errors and Primary Interference Constraint. , 2014, , .		0
251	A Novel Spectral-Efficient Resource Allocation Approach for NOMA-Based Full-Duplex Systems. , 2019, , .		0
252	Efficient Subchannel and Power Allocation in Multi-cell Indoor VLC Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 237-247.	0.3	0