

Miaowen Wen

List of Publications by Year in descending order

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237
papers

7,150
citations

71061

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76
g-index

241
all docs

241
docs citations

241
times ranked

3351
citing authors

#	ARTICLE	IF	CITATIONS
1	Index Modulation Techniques for Next-Generation Wireless Networks. IEEE Access, 2017, 5, 16693-16746.	2.6	622
2	A Survey on Spatial Modulation in Emerging Wireless Systems: Research Progresses and Applications. IEEE Journal on Selected Areas in Communications, 2019, 37, 1949-1972.	9.7	291
3	Multiple-Mode Orthogonal Frequency Division Multiplexing With Index Modulation. IEEE Transactions on Communications, 2017, 65, 3892-3906.	4.9	261
4	On the Achievable Rate of OFDM With Index Modulation. IEEE Transactions on Signal Processing, 2016, 64, 1919-1932.	3.2	228
5	Wideband Channel Modeling and Intercarrier Interference Cancellation for Vehicle-to-Vehicle Communication Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 434-448.	9.7	209
6	Emerging Technologies for 5G-IoV Networks: Applications, Trends and Opportunities. IEEE Network, 2020, 34, 283-289.	4.9	188
7	Index Modulation for 5G: Striving to Do More with Less. IEEE Wireless Communications, 2018, 25, 126-132.	6.6	165
8	Differential Spatial Modulation. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	3.9	164
9	Enhanced Orthogonal Frequency Division Multiplexing With Index Modulation. IEEE Transactions on Wireless Communications, 2017, 16, 4786-4801.	6.1	159
10	Novel Receiver Design for the Cooperative Relaying System With Non-Orthogonal Multiple Access. IEEE Communications Letters, 2016, 20, 1679-1682.	2.5	150
11	Generalized Precoding-Aided Quadrature Spatial Modulation. IEEE Transactions on Vehicular Technology, 2017, 66, 1881-1886.	3.9	147
12	Index Modulation for 5G Wireless Communications. Wireless Networks, 2017, , .	0.3	145
13	Low-Complexity ML Detector and Performance Analysis for OFDM With In-Phase/Quadrature Index Modulation. IEEE Communications Letters, 2015, 19, 1893-1896.	2.5	138
14	Non-Orthogonal Multiple Access for Cooperative Communications: Challenges, Opportunities, and Trends. IEEE Wireless Communications, 2018, 25, 109-117.	6.6	129
15	Adaptive Transmission for Reconfigurable Intelligent Surface-Assisted OFDM Wireless Communications. IEEE Journal on Selected Areas in Communications, 2020, 38, 2653-2665.	9.7	117
16	Channel Estimation Schemes for IEEE 802.11p Standard. IEEE Intelligent Transportation Systems Magazine, 2013, 5, 38-49.	2.6	115
17	Secure NOMA Based Two-Way Relay Networks Using Artificial Noise and Full Duplex. IEEE Journal on Selected Areas in Communications, 2018, 36, 1426-1440.	9.7	106
18	Reconfigurable Intelligent Surfaces With Reflection Pattern Modulation: Beamforming Design and Performance Analysis. IEEE Transactions on Wireless Communications, 2021, 20, 741-754.	6.1	102

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19	Cooperative NOMA Systems With Partial Channel State Information Over Nakagami- m Fading Channels. IEEE Transactions on Communications, 2018, 66, 947-958.	4.9	99
20	Layered Orthogonal Frequency Division Multiplexing With Index Modulation. IEEE Systems Journal, 2019, 13, 3793-3802.	2.9	98
21	Multiple-Input Multiple-Output OFDM With Index Modulation: Low-Complexity Detector Design. IEEE Transactions on Signal Processing, 2017, 65, 2758-2772.	3.2	95
22	Generalized Multiple-Mode OFDM With Index Modulation. IEEE Transactions on Wireless Communications, 2018, 17, 6531-6543.	6.1	95
23	Index modulated OFDM for underwater acoustic communications. , 2016, 54, 132-137.		85
24	Index Modulated OFDM Spread Spectrum. IEEE Transactions on Wireless Communications, 2018, 17, 2360-2374.	6.1	80
25	Spatial Modulation-Aided Cooperative NOMA: Performance Analysis and Comparative Study. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 715-728.	7.3	78
26	MBID: Micro-Blockchain-Based Geographical Dynamic Intrusion Detection for V2X. IEEE Communications Magazine, 2019, 57, 77-83.	4.9	71
27	5G-Enabled UAV-to-Community Offloading: Joint Trajectory Design and Task Scheduling. IEEE Journal on Selected Areas in Communications, 2021, 39, 3306-3320.	9.7	70
28	Use of SSK Modulation in Two-Way Amplify-and-Forward Relaying. IEEE Transactions on Vehicular Technology, 2014, 63, 1498-1504.	3.9	63
29	Secrecy-Enhancing Scheme for Spatial Modulation. IEEE Communications Letters, 2018, 22, 550-553.	2.5	59
30	Equiprobable Subcarrier Activation Method for OFDM With Index Modulation. IEEE Communications Letters, 2016, 20, 2386-2389.	2.5	57
31	Private 5G Networks: Concepts, Architectures, and Research Landscape. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 7-25.	7.3	56
32	Index modulated OFDM with interleaved grouping for V2X communications. , 2014, , .		54
33	Dynamic UAV Deployment for Differentiated Services: A Multi-Agent Imitation Learning Based Approach. IEEE Transactions on Mobile Computing, 2023, 22, 2131-2146.	3.9	53
34	A Low-Complexity Near-ML Differential Spatial Modulation Detector. IEEE Signal Processing Letters, 2015, 22, 1834-1838.	2.1	51
35	Diversity Enhancing Multiple-Mode OFDM With Index Modulation. IEEE Transactions on Communications, 2018, 66, 3653-3666.	4.9	50
36	Single-RF MIMO: From Spatial Modulation to Metasurface-Based Modulation. IEEE Wireless Communications, 2021, 28, 88-95.	6.6	50

#	ARTICLE	IF	CITATIONS
37	NOMA-Based Multi-Pair Two-Way Relay Networks With Rate Splitting and Group Decoding. IEEE Journal on Selected Areas in Communications, 2017, 35, 2328-2341.	9.7	48
38	Receive Quadrature Reflecting Modulation for RIS-Empowered Wireless Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 5121-5125.	3.9	48
39	Performance Analysis of Differential Spatial Modulation with Two Transmit Antennas. IEEE Communications Letters, 2014, 18, 475-478.	2.5	47
40	Subcarrier Index Modulation for Future Wireless Networks: Principles, Applications, and Challenges. IEEE Wireless Communications, 2020, 27, 118-125.	6.6	46
41	Spatial Modulation for Molecular Communication. IEEE Transactions on Nanobioscience, 2019, 18, 381-395.	2.2	45
42	Reconfigurable Intelligent Surface Assisted Mobile Edge Computing With Heterogeneous Learning Tasks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 369-382.	4.9	44
43	Space Shift Keying With Reconfigurable Intelligent Surfaces: Phase Configuration Designs and Performance Analysis. IEEE Open Journal of the Communications Society, 2021, 2, 322-333.	4.4	44
44	Differential Spatial Modulation With Gray Coded Antenna Activation Order. IEEE Communications Letters, 2016, 20, 1100-1103.	2.5	43
45	Optimizing the energy efficiency of OFDM with index modulation. , 2014, , .		42
46	Low-Complexity Detection for Index Modulation Multiple Access. IEEE Wireless Communications Letters, 2020, , 1-1.	3.2	41
47	Minimizing the Age-of-Critical-Information: An Imitation Learning-Based Scheduling Approach Under Partial Observations. IEEE Transactions on Mobile Computing, 2022, 21, 3225-3238.	3.9	41
48	A Dual-Hop Virtual MIMO Architecture Based on Hybrid Differential Spatial Modulation. IEEE Transactions on Wireless Communications, 2016, 15, 6356-6370.	6.1	39
49	Deep Reinforcement Learning-Based Relay Selection in Intelligent Reflecting Surface Assisted Cooperative Networks. IEEE Wireless Communications Letters, 2021, 10, 1036-1040.	3.2	38
50	Spatial Modulated Full Duplex. IEEE Wireless Communications Letters, 2014, 3, 641-644.	3.2	37
51	NOMA-Based Coordinated Direct and Relay Transmission With a Half-Duplex/ Full-Duplex Relay. IEEE Transactions on Communications, 2020, 68, 6750-6760.	4.9	37
52	The K-Best Sphere Decoding for Soft Detection of Generalized Spatial Modulation. IEEE Transactions on Communications, 2017, 65, 4803-4816.	4.9	35
53	Space-Time Multiple-Mode Orthogonal Frequency Division Multiplexing With Index Modulation. IEEE Access, 2017, 5, 23212-23222.	2.6	35
54	Opportunistic Spectrum Sharing Based on OFDM With Index Modulation. IEEE Transactions on Wireless Communications, 2020, 19, 192-204.	6.1	29

#	ARTICLE	IF	CITATIONS
55	Safeguarding MIMO Communications with Reconfigurable Metasurfaces and Artificial Noise. , 2021, , .		29
56	Dynamic Spectrum Management via Machine Learning: State of the Art, Taxonomy, Challenges, and Open Research Issues. IEEE Network, 2019, 33, 54-62.	4.9	28
57	Spectral Efficiency Enhanced Cooperative Device-to-Device Systems With NOMA. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4040-4050.	4.7	28
58	Practical Implementation of Index Modulation-Based Waveforms. IEEE Access, 2017, 5, 25463-25473.	2.6	27
59	On the Achievable Sum-Rate of NOMA-Based Diamond Relay Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 1472-1486.	3.9	27
60	UAV-Aided Energy-Efficient Edge Computing Networks: Security Offloading Optimization. IEEE Internet of Things Journal, 2022, 9, 4245-4258.	5.5	27
61	Low-Complexity LLR Calculation for OFDM With Index Modulation. IEEE Wireless Communications Letters, 2018, 7, 618-621.	3.2	26
62	Two-Stage Superposed Transmission for Cooperative NOMA Systems. IEEE Access, 2018, 6, 3920-3931.	2.6	26
63	A Promising Non-Orthogonal Multiple Access Based Networking Architecture: Motivation, Conception, and Evolution. IEEE Wireless Communications, 2019, 26, 152-159.	6.6	26
64	On the Performance of Cooperative OFDM-NOMA System With Index Modulation. IEEE Wireless Communications Letters, 2020, 9, 1346-1350.	3.2	26
65	Machine-Learning-Based Scenario Identification Using Channel Characteristics in Intelligent Vehicular Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3961-3974.	4.7	26
66	Joint-Mapping Orthogonal Frequency Division Multiplexing With Subcarrier Number Modulation. IEEE Transactions on Communications, 2021, 69, 4306-4318.	4.9	26
67	Next-Generation Multiple Access Based on NOMA With Power Level Modulation. IEEE Journal on Selected Areas in Communications, 2022, 40, 1072-1083.	9.7	26
68	Index Modulation Aided Subcarrier Mapping for Dual-Hop OFDM Relaying. IEEE Transactions on Communications, 2019, 67, 6012-6024.	4.9	25
69	Generalized Molecular-Shift Keying (GMoSK): Principles and Performance Analysis. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2020, 6, 168-183.	1.4	25
70	Soft Demodulation Algorithms for Generalized Spatial Modulation Using Deterministic Sequential Monte Carlo. IEEE Transactions on Wireless Communications, 2017, 16, 3953-3967.	6.1	24
71	NOMA-Based Pervasive Edge Computing: Secure Power Allocation for IoV. IEEE Transactions on Industrial Informatics, 2021, 17, 5021-5030.	7.2	24
72	Reconfigurable Intelligent Surface-Aided Quadrature Reflection Modulation for Simultaneous Passive Beamforming and Information Transfer. IEEE Transactions on Wireless Communications, 2022, 21, 1469-1481.	6.1	24

#	ARTICLE	IF	CITATIONS
73	Service Caching Based Aerial Cooperative Computing and Resource Allocation in Multi-UAV Enabled MEC Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 10934-10947.	3.9	22
74	Non-Orthogonal Multiple Access for Dual-Hop Decode-and-Forward Relaying. , 2016, , .		20
75	Virtual Spatial Modulation. IEEE Access, 2016, 4, 6929-6938.	2.6	20
76	Two-Stage Power Allocation for Dual-Hop Relaying Systems With Non-Orthogonal Multiple Access. IEEE Access, 2017, 5, 2254-2261.	2.6	20
77	Information Guided Precoding for OFDM. IEEE Access, 2017, 5, 19644-19656.	2.6	20
78	Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 4503-4507.	3.9	20
79	Spectrum Resource Allocation Based on Cooperative NOMA With Index Modulation. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 946-958.	4.9	19
80	Enabling Multicarrier Relay Selection by Sensing Fusion and Cascaded ANN for Intelligent Vehicular Communications. IEEE Sensors Journal, 2021, 21, 15614-15625.	2.4	19
81	Partial-DF Full-Duplex D2D-NOMA Systems for IoT With/Without an Eavesdropper. IEEE Internet of Things Journal, 2021, 8, 6154-6166.	5.5	19
82	Error Probability Analysis of Interleaved SC-FDMA Systems Over Nakagami- m Frequency-Selective Fading Channels. IEEE Transactions on Vehicular Technology, 2013, 62, 748-761.	3.9	18
83	Distributed Processing for Multi-Relay Assisted OFDM With Index Modulation. IEEE Transactions on Wireless Communications, 2019, 18, 1318-1331.	6.1	18
84	Design of Multi-Carrier LBT for LAA&WiFi Coexistence in Unlicensed Spectrum. IEEE Network, 2020, 34, 76-83.	4.9	18
85	Molecular Type Permutation Shift Keying for Molecular Communication. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2020, 6, 160-164.	1.4	18
86	Frequency Domain Analysis and Equalization for Molecular Communication. IEEE Transactions on Signal Processing, 2021, 69, 1952-1967.	3.2	18
87	OFDM-IM Based Dual-Hop System Using Fixed-Gain Amplify-and-Forward Relay With Pre-Processing Capability. IEEE Transactions on Wireless Communications, 2019, 18, 2259-2270.	6.1	17
88	Pre-Coding Aided Differential Spatial Modulation. , 2015, , .		16
89	Index modulated OFDM with ICI self-cancellation for V2X communications. , 2016, , .		16
90	Secure Precoding Aided Spatial Modulation via Transmit Antenna Selection. IEEE Transactions on Vehicular Technology, 2019, 68, 8893-8905.	3.9	16

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91	Space Shift Keying for Molecular Communication: Theory and Experiment. , 2019, , .		16
92	Massive Access in Secure NOMA Under Imperfect CSI: Security Guaranteed Sum-Rate Maximization With First-Order Algorithm. IEEE Journal on Selected Areas in Communications, 2021, 39, 998-1014.	9.7	16
93	Exploiting Reconfigurable Intelligent Surfaces in Edge Caching: Joint Hybrid Beamforming and Content Placement Optimization. IEEE Transactions on Wireless Communications, 2021, 20, 7799-7812.	6.1	16
94	Socially Aware Joint Resource Allocation and Computation Offloading in NOMA-Aided Energy-Harvesting Massive IoT. IEEE Internet of Things Journal, 2021, 8, 5240-5249.	5.5	16
95	Physical Layer Security for RIS-Aided Wireless Communications With Uncertain Eavesdropper Distributions. IEEE Systems Journal, 2023, 17, 848-859.	2.9	16
96	Asymptotic Performance Analysis of Multihop Relaying with Co-Channel Interference in Nakagami-m Fading Channels. IEEE Communications Letters, 2012, 16, 1450-1453.	2.5	15
97	Performance Analysis for BDPSK Modulated SWIPT Cooperative Systems With Nonlinear Energy Harvesting Model. IEEE Access, 2018, 6, 42373-42383.	2.6	15
98	Bayesian Beamforming for Mobile Millimeter Wave Channel Tracking in the Presence of DOA Uncertainty. IEEE Transactions on Communications, 2020, 68, 7547-7562.	4.9	15
99	Trajectory design and resource allocation for UAV energy minimization in a rotary-wing UAV-enabled WPCN. AEJ - Alexandria Engineering Journal, 2021, 60, 1787-1796.	3.4	15
100	Hybrid Multicast/Unicast Design in NOMA-Based Vehicular Caching System. IEEE Transactions on Vehicular Technology, 2020, 69, 16304-16308.	3.9	15
101	Index modulated OFDM with ICI self-cancellation in underwater acoustic communications. , 2014, , .		14
102	Sum of arbitrarily correlated Gamma random variables with unequal parameters and its application in wireless communications. , 2016, , .		14
103	Secrecy Performance Analysis of Distributed Asynchronous Cyclic Delay Diversity-Based Cooperative Single Carrier Systems. IEEE Transactions on Communications, 2020, 68, 2680-2694.	4.9	14
104	Dual-Hop Spatial Modulation With a Relay Transmitting its Own Information. IEEE Transactions on Wireless Communications, 2020, 19, 4449-4463.	6.1	14
105	Collision Avoidance Predictive Motion Planning Based on Integrated Perception and V2V Communication. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9640-9653.	4.7	14
106	A Two-Way Molecular Communication Assisted by an Impulsive Force. IEEE Transactions on Industrial Informatics, 2019, 15, 3048-3057.	7.2	13
107	Resource Allocation for Multiuser Molecular Communication Systems Oriented to the Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 15939-15952.	5.5	13
108	An Energy-Efficient Selection Mechanism of Relay and Edge Computing in UAV-Assisted Cellular Networks. IEEE Transactions on Green Communications and Networking, 2021, 5, 1306-1318.	3.5	13

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109	On the Achievable Capacity of Cooperative NOMA Networks: RIS or Relay?. IEEE Wireless Communications Letters, 2022, 11, 1624-1628.	3.2	13
110	Optimal Correlative Coding for Discrete-Time OFDM Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 987-993.	3.9	12
111	Minimum Symbol-Error Rate Based Adaptive Decision Feedback Equalizer in Underwater Acoustic Channels. IEEE Access, 2017, 5, 25147-25157.	2.6	12
112	Improving Physical Layer Security via Random Precoding. , 2017, , .		12
113	Secure Multicast Energy-Efficiency Maximization With Massive RISs and Uncertain CSI: First-Order Algorithms and Convergence Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 6818-6833.	6.1	12
114	Effective self-cancellation of intercarrier interference for OFDM underwater acoustic communications. , 2013, , .		11
115	Vector OFDM With Index Modulation. IEEE Access, 2017, 5, 20135-20144.	2.6	11
116	Security Enhancing Spatial Modulation Using Antenna Selection and Artificial Noise Cancellation. , 2019, , .		11
117	Secure Single-Input-Multiple-Output Media-Based Modulation. IEEE Transactions on Vehicular Technology, 2020, 69, 4105-4117.	3.9	11
118	Multi-Feature Fusion-Based Mechanical Fault Diagnosis for On-Load Tap Changers in Smart Grid With Electric Vehicles. IEEE Sensors Journal, 2021, 21, 15696-15708.	2.4	11
119	Intelligent Surface Aided D2D-V2X System for Low-Latency and High-Reliability Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 11624-11636.	3.9	11
120	Effective intercarrier interference reduction techniques for OFDM underwater acoustic communications. , 2013, , .		10
121	Two-path transmission framework for ICI reduction in OFDM systems. , 2013, , .		10
122	A Low-Complexity Optimal Sphere Decoder for Differential Spatial Modulation. , 2015, , .		10
123	Effective mirror-mapping-based intercarrier interference cancellation for OFDM underwater acoustic communications. Ad Hoc Networks, 2015, 34, 5-16.	3.4	10
124	Index modulated OFDM with intercarrier interference cancellation. , 2016, , .		10
125	Dual-Polarized Spatial Media-Based Modulation. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1258-1269.	7.3	10
126	A Rising Edge-Based Detection Algorithm for MIMO Molecular Communication. IEEE Wireless Communications Letters, 2020, 9, 523-527.	3.2	10

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127	Angle Aware User Cooperation for Secure Massive MIMO in Rician Fading Channel. IEEE Journal on Selected Areas in Communications, 2020, 38, 2182-2196.	9.7	10
128	Performance Analysis of Heterogeneous Networks With Wireless Caching and Full Duplex Relaying. IEEE Transactions on Network Science and Engineering, 2020, 7, 2429-2442.	4.1	10
129	A Simple Multicarrier Transmission Technique Combining Transmit Diversity and Data Multiplexing for Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2021, 70, 7216-7220.	3.9	10
130	Delay Aware Secure Offloading for NOMA-Assisted Mobile Edge Computing in Internet of Vehicles. IEEE Transactions on Communications, 2022, 70, 5271-5284.	4.9	10
131	A differential scheme for Spatial Modulation. , 2013, , .		9
132	Constructed Data Pilot-Assisted Channel Estimators for Mobile Environments. IEEE Transactions on Intelligent Transportation Systems, 2014, , 1-11.	4.7	9
133	Distributed Generalized Spatial Modulation Based on Chinese Remainder Theorem. IEEE Communications Letters, 2017, 21, 1501-1504.	2.5	9
134	Low-complexity near-optimal detector for multiple-input multiple-output OFDM with index modulation. , 2017, , .		9
135	User Pairing Strategy: A Novel Scheme for Non-Orthogonal Multiple Access Systems. , 2017, , .		9
136	SINR-Outage Minimization of Robust Beamforming for the Non-Orthogonal Wireless Downlink. IEEE Transactions on Communications, 2020, 68, 7247-7257.	4.9	9
137	Multi-Task Learning Based Underwater Acoustic OFDM Communications. , 2021, , .		9
138	Socially Aware V2X Networks With RIS: Joint Resource Optimization. IEEE Transactions on Vehicular Technology, 2022, 71, 6732-6737.	3.9	9
139	A novel self-interference cancellation scheme for full duplex with differential spatial modulation. , 2015, , .		8
140	Differential spatial modulation for dual-hop amplify-and-forward relaying. , 2015, , .		8
141	Edge Learning With Unmanned Ground Vehicle: Joint Path, Energy, and Sample Size Planning. IEEE Internet of Things Journal, 2021, 8, 2959-2975.	5.5	8
142	On Secure Degrees of Freedom of the MIMO Interference Channel With Local Output Feedback. IEEE Internet of Things Journal, 2021, 8, 15334-15348.	5.5	8
143	Resource Management for Intelligent Vehicular Edge Computing Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9797-9808.	4.7	8
144	Millimeter Wave MIMO-OFDM With Index Modulation: A Pareto Paradigm on Spectral- Energy Efficiency Trade-Off. IEEE Transactions on Wireless Communications, 2021, 20, 6371-6386.	6.1	8

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145	Molecular-Type Permutation Shift Keying in Molecular MIMO Communications for IoBNT. IEEE Internet of Things Journal, 2021, 8, 16023-16034.	5.5	8
146	CNN-Based Underwater Acoustic OFDM Communications over Doubly-Selective Channels. , 2021, , .		8
147	Federated Meta-Learning Enhanced Acoustic Radio Cooperative Framework for Ocean of Things. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 474-486.	7.3	8
148	An effective self-interference cancellation scheme for spatial modulated full duplex systems. , 2015, , .		7
149	Novel Pilot Design and Signal Detection for SC-FDE Systems With Frequency-Domain Pilot Multiplexing Technique. IEEE Communications Letters, 2015, 19, 1466-1469.	2.5	7
150	Carrier Frequency Offset Estimation for OFDM With Generalized Index Modulation Systems Using Inactive Data Tones. IEEE Communications Letters, 2018, 22, 2302-2305.	2.5	7
151	Performance Analysis of User Ordering Schemes in Cooperative Power-Domain Non-Orthogonal Multiple Access Network. IEEE Access, 2018, 6, 47319-47331.	2.6	7
152	Information-Guided Pilot Insertion for OFDM-Based Vehicular Communications Systems. IEEE Internet of Things Journal, 2019, 6, 26-37.	5.5	7
153	Outage Probability Analysis of Spectrum Sharing Systems With Distributed Cyclic Delay Diversity. IEEE Transactions on Communications, 2019, 67, 4435-4449.	4.9	7
154	Combined Relay Selection Enabled by Supervised Machine Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 3938-3943.	3.9	7
155	Cyclic Delay Diversity With Index Modulation for Green Internet of Things. IEEE Transactions on Green Communications and Networking, 2021, 5, 600-610.	3.5	7
156	Smart Detection Using the Cascaded Artificial Neural Network for OFDM With Subcarrier Number Modulation. IEEE Wireless Communications Letters, 2021, 10, 1227-1231.	3.2	7
157	Generalized Space-Code Index Modulation for High Rate and Energy-Efficient MIMO Transmission. IEEE Transactions on Vehicular Technology, 2021, 70, 12812-12820.	3.9	7
158	Phase Shift Design in RIS Empowered Wireless Networks: From Optimization to AI-Based Methods. Network, 2022, 2, 398-418.	1.5	7
159	Pre-Coding Aided Differential Spatial Modulation. , 2014, , .		6
160	OFDM Spread Spectrum with Index Modulation. , 2017, , .		6
161	Achievable-Rate-Enhancing Self-Interference Cancellation for Full-Duplex Communications. IEEE Transactions on Wireless Communications, 2018, 17, 8473-8484.	6.1	6
162	Two-Layer LDPC Codes for Low Complexity ML Detection in GSM Systems. IEEE Wireless Communications Letters, 2018, 7, 408-411.	3.2	6

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163	Mobile Millimeter Wave Channel Tracking: A Bayesian Beamforming Framework against DOA Uncertainty. , 2019, , .		6
164	NOMA Based Coordinated Direct and Relay Transmission: Secure Design and Performance Analysis. , 2019, , .		6
165	Interference Exploitation for Ambient Backscatter Communication Networks via Symbol Level Precoding. IEEE Wireless Communications Letters, 2022, 11, 1166-1170.	3.2	6
166	A General Framework for BER Analysis of OFDMA and Zero-Forcing Interleaved SC-FDMA over Nakagami-m Fading Channels with Arbitrary m. IEEE Wireless Communications Letters, 2013, 2, 395-398.	3.2	5
167	Optimal selection of pilot positions for frequency domain pilot multiplexing channel estimation in SC-FDE systems. , 2014, , .		5
168	Differential spatial modulated OFDM in underwater acoustic communications. , 2014, , .		5
169	Secure NOMA Based Cooperative Networks with Rate-Splitting Source and Full-Duplex Relay. , 2018, , .		5
170	Distributed cooperative OFDM-IM system. China Communications, 2020, 17, 167-176.	2.0	5
171	Enhanced Molecular Type Permutation Shift Keying for Molecular Communication. IEEE Wireless Communications Letters, 2021, 10, 2722-2726.	3.2	5
172	Reconfigurable Intelligent Surface-Based Quadrature Reflection Modulation. , 2021, , .		5
173	Enabling Cooperative Relay Selection by Transfer Learning for the Industrial Internet of Things. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1131-1146.	4.9	5
174	A novel effective channel estimation scheme applicable to IEEE 802.11p. , 2012, , .		4
175	Modified PEG algorithm for large girth Quasi-cyclic protograph LDPC codes. , 2016, , .		4
176	Secure NOMA Based Full-Duplex Two-Way Relay Networks with Artificial Noise against Eavesdropping. , 2018, , .		4
177	Enhanced spatial modulation with generalized antenna selection in MISO channels. IET Communications, 2021, 15, 2046-2053.	1.5	4
178	Reconfigurable Intelligent Surface Assisted Edge Machine Learning. , 2021, , .		4
179	κ -Factor Estimation for Wireless Communications Over Rician Frequency-Flat Fading Channels. IEEE Wireless Communications Letters, 2021, 10, 2037-2040.	3.2	4
180	Partial-NOMA Based Physical Layer Security: Forwarding Design and Secrecy Analysis. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7471-7484.	4.7	4

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181	Index Modulated OFDM with ICI Self-Cancellation. , 2016, , .		3
182	Novel Pilot Position Detection for SC-FDE Systems With Frequency Domain Pilot Multiplexing Technique. IEEE Signal Processing Letters, 2016, 23, 910-914.	2.1	3
183	Efficient Transmission and Detection Based on RNS for Generalized Space Shift Keying. IEEE Wireless Communications Letters, 2017, 6, 486-489.	3.2	3
184	Fixed-Complexity Sphere Decoding for Soft Detection of Generalized Spatial Modulation. , 2017, , .		3
185	Non-Orthogonal Multiple Access for Dual-Hop Decode-and-Forward Relay-Aided X Channel. , 2017, , .		3
186	Performance Analysis of OFDM over Multi-Scale Multi-Lag Channels. , 2017, , .		3
187	Power Allocation for OFDM Over Multi-scale Multi-lag Channels. IEEE Transactions on Vehicular Technology, 2018, 67, 2345-2358.	3.9	3
188	NOMA-Based Coordinated Direct and Relay System with Multiple Cell-Edge Users. , 2019, , .		3
189	Combined Relay Selection in Spatially Random Networks. IEEE Systems Journal, 2021, 15, 3726-3729.	2.9	3
190	Kolmogorov Turbulence and Information Dissipation in Molecular Communication. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2021, 7, 262-270.	1.4	3
191	A Molecular Spatio-Temporal Modulation Scheme for MIMO Communications. , 2021, , .		3
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