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List of Publications by Year
in descending order

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430 papers	12,275 citations	25034 57 h-index	42399 92 g-index
433 all docs	433 docs citations	433 times ranked	6161 citing authors

#	Article	IF	Citations
1	Ergodic Capacity of Intelligent Omni-Surface-Aided Communication Systems With Phase Quantization Errors and Outdated CSI. IEEE Systems Journal, 2023, 17, 1889-1898.	4.6	3
2	Parameter Adaptation and Situation Awareness of LTE-R Handover for High-Speed Railway Communication. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1767-1781.	8.0	11
3	Wireless Image Transmission Using Deep Source Channel Coding With Attention Modules. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2315-2328.	8.3	59
4	OTFS-TSMA for Massive Internet of Things in High-Speed Railway. IEEE Transactions on Wireless Communications, 2022, 21, 519-531.	9.2	19
5	Spectrum Situation Awareness Based on Time-Series Depth Networks for LTE-R Communication System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8629-8640.	8.0	5
6	Worst-Case Energy Efficiency in Secure SWIPT Networks With Rate-Splitting ID and Power-Splitting EH Receivers. IEEE Transactions on Wireless Communications, 2022, 21, 1870-1885.	9.2	10
7	A Millimeter-Wave Wideband Dual-Polarized Antenna Array With 3-D-Printed Air-Filled Differential Feeding Cavities. IEEE Transactions on Antennas and Propagation, 2022, 70, 1020-1032.	5.1	23
8	Experience-Driven Power Allocation Using Multi-Agent Deep Reinforcement Learning for Millimeter-Wave High-Speed Railway Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5490-5500.	8.0	17
9	Joint Activity Detection and Channel Estimation in Massive MIMO Systems With Angular Domain Enhancement. IEEE Transactions on Wireless Communications, 2022, 21, 2999-3011.	9.2	9
10	Vehicle Localization Based on Hypothesis Test in NLOS Scenarios. IEEE Transactions on Vehicular Technology, 2022, 71, 2198-2203.	6.3	7
11	Performance Analysis and Optimization of NOMA-Based Cell-Free Massive MIMO for IoT. IEEE Internet of Things Journal, 2022, 9, 9625-9639.	8.7	16
12	Improving Sum-Rate of Cell-Free Massive MIMO With Expanded Compute-and-Forward. IEEE Transactions on Signal Processing, 2022, 70, 202-215.	5.3	42
13	Multiple Residual Dense Networks for Reconfigurable Intelligent Surfaces Cascaded Channel Estimation. IEEE Transactions on Vehicular Technology, 2022, 71, 2134-2139.	6.3	17
14	Space-Air-Ground Integrated Network Development and Applications in High-Speed Railways: A Survey. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10066-10085.	8.0	12
15	A 3D Printed Nearly Isotropic Luneburg Lens Antenna for Millimeter-Wave Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 1145-1155.	6.3	17
16	When mmWave High-Speed Railway Networks Meet Reconfigurable Intelligent Surface: A Deep Reinforcement Learning Method. IEEE Wireless Communications Letters, 2022, 11, 533-537.	5.0	20
17	Space-Air-Sea-Ground Integrated Monitoring Network-Based Maritime Transportation Emergency Forecasting. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2843-2852.	8.0	7
18	A Novel Denoising Method Based on Machine Learning in Channel Measurements. IEEE Transactions on Vehicular Technology, 2022, 71, 994-999.	6.3	4

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19	A Joint Design for STAR-RIS Enhanced NOMA-CoMP Networks: A Simultaneous-Signal-Enhancement-and-Cancellation-Based (SSECB) Design. IEEE Transactions on Vehicular Technology, 2022, 71, 1043-1048.	6.3	29
20	Coverage Performance of UAV-Assisted SWIPT Networks With Directional Antennas. IEEE Internet of Things Journal, 2022, 9, 10600-10609.	8.7	4
21	Deep-Learning-Based Spatialâ€“Temporal Channel Prediction for Smart High-Speed Railway Communication Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5333-5345.	9.2	25
22	Smart Rail Mobility. Springer Series in Optical Sciences, 2022, , 123-130.	0.7	0
23	Content Distribution Based on Joint V2I and V2V Scheduling in mmWave Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 3201-3213.	6.3	10
24	A 3D Geometry-Based THz Channel Model for 6G Ultra Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 2251-2266.	6.3	19
25	Reconfigurable Intelligent Surfaces With Outdated Channel State Information: Centralized vs. Distributed Deployments. IEEE Transactions on Communications, 2022, 70, 2742-2756.	7.8	32
26	Prior Information Aided Deep Learning Method for Grant-Free NOMA in mMTC. IEEE Journal on Selected Areas in Communications, 2022, 40, 112-126.	14.0	10
27	Robust Symbol-Level Precoding and Passive Beamforming for IRS-Aided Communications. IEEE Transactions on Wireless Communications, 2022, 21, 5486-5499.	9.2	5
28	Energy-Efficient Collaborative Offloading in NOMA-Enabled Fog Computing for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 13794-13807.	8.7	12
29	Blind Modulation Classification Under Uncertain Noise Conditions: A Multitask Learning Approach. IEEE Communications Letters, 2022, 26, 1027-1031.	4.1	5
30	Enhanced Path Loss Model by Image-Based Environmental Characterization. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 903-907.	4.0	4
31	Downlink Power Control for Cell-Free Massive MIMO With Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 6772-6777.	6.3	19
32	Comparison of Different Sounding Waveforms for a Wideband Correlation Channel Sounder. Lecture Notes in Electrical Engineering, 2022, , 119-126.	0.4	1
33	Deep Reinforcement Learning Coordinated Receiver Beamforming for Millimeter-Wave Train-Ground Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 5156-5171.	6.3	8
34	Artificial Intelligence Enabled Radio Propagation for Communicationsâ€”Part I: Channel Characterization and Antenna-Channel Optimization. IEEE Transactions on Antennas and Propagation, 2022, 70, 3939-3954.	5.1	36
35	Artificial Intelligence Enabled Radio Propagation for Communicationsâ€”Part II: Scenario Identification and Channel Modeling. IEEE Transactions on Antennas and Propagation, 2022, 70, 3955-3969.	5.1	58
36	Uplink Performance of Cell-Free Massive MIMO With Multi-Antenna Users Over Jointly-Correlated Rayleigh Fading Channels. IEEE Transactions on Wireless Communications, 2022, 21, 7391-7406.	9.2	25

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37	A survey on user-centric cell-free massive MIMO systems. Digital Communications and Networks, 2022, 8, 695-719.	5.0	44
38	Cluster-Based Characterization and Modeling for UAV Air-to-Ground Time-Varying Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 6872-6883.	6.3	9
39	Modeling and channel estimation for piezo-acoustic backscatter assisted underwater acoustic communications. China Communications, 2022, 19, 297-307.	3.2	1
40	Performance analysis of reconfigurable intelligent surface assisted systems under channel aging. Intelligent and Converged Networks, 2022, 3, 74-85.	4.8	6
41	Cell Edge User Capacity-Coverage Reliability Tradeoff for 5G-R Systems With Overlapped Linear Coverage. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17936-17951.	8.0	1
42	Terahertz Enabled Use Cases for Smart Mobility towards B5G and 6G Communications. , 2022, , .		0
43	Mobility Support for Millimeter Wave Communications: Opportunities and Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 1816-1842.	39.4	18
44	The New Empirical Path Loss Model for Line of Sight Propagation in HSR Communication System Using Optimization Technique. IEEE Wireless Communications Letters, 2022, 11, 1810-1814.	5.0	7
45	Resource Allocation and Computation Offloading in a Millimeter-Wave Train-Ground Network. IEEE Transactions on Vehicular Technology, 2022, 71, 10615-10630.	6.3	6
46	Spatially Correlated RIS-Aided CF Massive MIMO Systems With Generalized MR Combining. IEEE Transactions on Vehicular Technology, 2022, 71, 11245-11250.	6.3	5
47	A UAV-Assisted Search and Localization Strategy in Non-Line-of-Sight Scenarios. IEEE Internet of Things Journal, 2022, 9, 23841-23851.	8.7	15
48	Vehicle-to-Vehicle Channel Characteristics in Intersection Environment. , 2022, , .		5
49	5G Channel Models for Railway Use Cases at mmWave Band and the Path Towards Terahertz. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 146-155.	3.8	7
50	Machine-Learning-Based Scenario Identification Using Channel Characteristics in Intelligent Vehicular Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3961-3974.	8.0	26
51	Optimization of Timeâ€“Frequency Resource Management Based on Probabilistic Graphical Models in Railway Internet-of-Things Networking. IEEE Internet of Things Journal, 2021, 8, 4788-4801.	8.7	4
52	Geometry-Cluster-Based Stochastic MIMO Model for Vehicle-to-Vehicle Communications in Street Canyon Scenarios. IEEE Transactions on Wireless Communications, 2021, 20, 755-770.	9.2	24
53	Multicarrier Tandem Spreading Multiple Access (MC-TSMA) for High-Speed Railway (HSR) Scenario. IEEE Internet of Things Journal, 2021, 8, 3490-3499.	8.7	5
54	Uplink Performance of Cell-Free Massive MIMO Over Spatially Correlated Rician Fading Channels. IEEE Communications Letters, 2021, 25, 1348-1352.	4.1	43

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55	Channel Sounding and Ray Tracing for Intrawagon Scenario at mmWave and Sub-mmWave Bands. IEEE Transactions on Antennas and Propagation, 2021, 69, 1007-1019.	5.1	34
56	Measuring Sparsity of Wireless Channels. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 133-144.	7.9	20
57	Structured Massive Access for Scalable Cell-Free Massive MIMO Systems. IEEE Journal on Selected Areas in Communications, 2021, 39, 1086-1100.	14.0	102
58	Emulation of Radio Technologies for Railways: A Tapped-Delay-Line Channel Model for Tunnels. IEEE Access, 2021, 9, 1512-1523.	4.2	11
59	Coalition Game Based User Association for mmWave Mobile Relay Systems in Rail Traffic Scenarios. IEEE Transactions on Vehicular Technology, 2021, 70, 10528-10540.	6.3	2
60	Impact of Channel Aging on Cell-Free Massive MIMO Over Spatially Correlated Channels. IEEE Transactions on Wireless Communications, 2021, 20, 6451-6466.	9.2	59
61	Energy-Constrained Computation Offloading in Space-Air-Ground Integrated Networks Using Distributionally Robust Optimization. IEEE Transactions on Vehicular Technology, 2021, 70, 12113-12125.	6.3	28
62	Channel Estimation for Semi-Passive Reconfigurable Intelligent Surfaces With Enhanced Deep Residual Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 11083-11088.	6.3	36
63	Artificial Intelligence Empowered Power Allocation for Smart Railway. IEEE Communications Magazine, 2021, 59, 28-33.	6.1	11
64	Machine-Learning-Based Fast Angle-of-Arrival Recognition for Vehicular Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 1592-1605.	6.3	30
65	Performance analysis of dual-hop UAV relaying systems over mixed fluctuating two-ray and Nakagami-m fading channels. Science China Information Sciences, 2021, 64, 1.	4.3	4
66	Handover-Aware Cross-Layer Aided TCP With Deep Reinforcement Learning for High-Speed Railway Networks. IEEE Networking Letters, 2021, 3, 31-35.	1.9	8
67	Vehicle-to-Vehicle Channel Characterization Based on Ray-Tracing for Urban Road Scenarios. Wireless Communications and Mobile Computing, 2021, 2021, 1-15.	1.2	6
68	OTFS modulation performance in a satellite-to-ground channel at sub-6-GHz and millimeter-wave bands with high mobility. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 517-526.	2.6	8
69	Millimeter Wave Communications With Reconfigurable Intelligent Surfaces: Performance Analysis and Optimization. IEEE Transactions on Communications, 2021, 69, 2752-2768.	7.8	63
70	A novel channel prediction method for MIMOâ€OFDM in highâ€speed environment. IET Communications, 2021, 15, 1723-1732.	2.2	0
71	Performance Analysis of RIS-Aided Systems With Practical Phase Shift and Amplitude Response. IEEE Transactions on Vehicular Technology, 2021, 70, 4501-4511.	6.3	48
72	Resource Allocation for Millimeter-Wave Train-Ground Communications in <?brk?>High-Speed Railway Scenarios. IEEE Transactions on Vehicular Technology, 2021, 70, 4823-4838.	6.3	13

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73	Reconfigurable Intelligent Surface Assisted Device-to-Device Communications. IEEE Transactions on Wireless Communications, 2021, 20, 2792-2804.	9.2	75
74	Channel Characterization and Capacity Analysis for THz Communication Enabled Smart Rail Mobility. IEEE Transactions on Vehicular Technology, 2021, 70, 4065-4080.	6.3	21
75	IRS-Assisted High-Speed Train Communications: Outage Probability Minimization with Statistical CSI. , 2021, , .		15
76	Wireless Power Transfer for UAV Communications with Cell-Free Massive MIMO Systems. , 2021, , .		2
77	Wireless Caching: Cell-Free versus Small Cells. , 2021, , .		7
78	Block Chain and Big Data-Enabled Intelligent Vehicular Communication. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3904-3906.	8.0	9
79	A Tutorial to Orthogonal Time Frequency Space Modulation for Future Wireless Communications. , 2021, , .		5
80	Terahertz Channel Measurement and Characterization on a Desktop from 75 to 400 GHz. , 2021, , .		3
81	Measurement and Ray-Tracing Simulation for Millimeter-Wave Automotive Radar. , 2021, , .		7
82	Wireless Channel Sparsity: Measurement, Analysis, and Exploitation in Estimation. IEEE Wireless Communications, 2021, 28, 113-119.	9.0	52
83	ADMM Based Channel Estimation for RISs Aided Millimeter Wave Communications. IEEE Communications Letters, 2021, 25, 2894-2898.	4.1	33
84	A Non-Stationary Geometry-Based MIMO Channel Model for Millimeter-Wave UAV Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 2960-2974.	14.0	35
85	UAV Communications With WPT-Aided Cell-Free Massive MIMO Systems. IEEE Journal on Selected Areas in Communications, 2021, 39, 3114-3128.	14.0	39
86	Local Partial Zero-Forcing Combining for Cell-Free Massive MIMO Systems. IEEE Transactions on Communications, 2021, 69, 8459-8473.	7.8	43
87	Physical Layer Security Enhancement With Reconfigurable Intelligent Surface-Aided Networks. IEEE Transactions on Information Forensics and Security, 2021, 16, 3480-3495.	6.9	50
88	Deep Reinforcement Learning for Handover-Aware MPTCP Congestion Control in Space-Ground Integrated Network of Railways. IEEE Wireless Communications, 2021, 28, 200-207.	9.0	15
89	Solving Sparse Linear Inverse Problems in Communication Systems: A Deep Learning Approach With Adaptive Depth. IEEE Journal on Selected Areas in Communications, 2021, 39, 4-17.	14.0	14
90	Dynamic Clustering of Multipath Components for Time-Varying Propagation Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 13396-13400.	6.3	3

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91	A TTSVD-Enhanced Fast and Accurate Channel Estimation Method for Dual-Polarized Massive MIMO Systems. , 2021, , .		1
92	Principal Multipath Component Analysis for Outdoor Microcell Scenario at 39 GHz. , 2021, , .		0
93	Outage Probability of Reconfigurable Intelligent Surface Aided THz Communications. , 2021, , .		1
94	Performance Analysis and Power Control of Cell-Free Massive MIMO over Non-Reciprocal Channels. , 2021, , .		0
95	Joint Channel Estimation and Data Detection for Intelligent Transparent Surface (ITS) Aided Wireless Communications on Railways. , 2021, , .		3
96	A 3D Geometry-Based Non-Stationary MIMO Channel Model for RIS-Assisted Communications. , 2021, , .		6
97	A Study of Clustering Algorithms for Time-Varying Multipath Components in Wireless Channels. , 2021, , .		1
98	Multipath Fading Channel Modeling with Aerial Intelligent Reflecting Surface. , 2021, , .		3
99	Image Encryption Methods in Deep Joint Source Channel Coding: A Review and Performance Evaluation. , 2021, , .		3
100	Performance analysis of Doppler effect suppression by subcarrier spacing in ultra-high-speed environment. , 2021, , .		2
101	RIS-Aided Next-Generation High-Speed Train Communications: Challenges, Solutions, and Future Directions. IEEE Wireless Communications, 2021, 28, 145-151.	9.0	35
102	Deep Learning-Based Power Control for Uplink Cell-Free Massive MIMO Systems. , 2021, , .		7
103	When High-Speed Railway Networks Meet Multipath TCP: Supporting Dependable Communications. IEEE Wireless Communications Letters, 2020, 9, 202-205.	5.0	20
104	A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 1214-1226.	6.3	78
105	On the Distribution of the Ratio of Products of Fisher-Snedecor $mathcal {F}$ Random Variables and Its Applications. IEEE Transactions on Vehicular Technology, 2020, 69, 1855-1866.	6.3	21
106	Channel Estimation for mmWave Massive MIMO With Convolutional Blind Denoising Network. IEEE Communications Letters, 2020, 24, 95-98.	4.1	49
107	Tabu-Search-Based Pilot Assignment for Cell-Free Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 2286-2290.	6.3	75
108	A Ka -Band 3-D-Printed Wideband Stepped Waveguide-Fed Magnetoelectric Dipole Antenna Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 2724-2735.	5.1	36

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109	Frequency-Dependent Line-of-Sight Probability Modeling in Built-Up Environments. IEEE Internet of Things Journal, 2020, 7, 699-709.	8.7	18
110	Propagation Channels of 5G Millimeter-Wave Vehicle-to-Vehicle Communications: Recent Advances and Future Challenges. IEEE Vehicular Technology Magazine, 2020, 15, 16-26.	3.4	174
111	Tensor Denoising Using Low-Rank Tensor Train Decomposition. IEEE Signal Processing Letters, 2020, 27, 1685-1689.	3.6	14
112	Deep Transfer Learning-Based Downlink Channel Prediction for FDD Massive MIMO Systems. IEEE Transactions on Communications, 2020, 68, 7485-7497.	7.8	92
113	Channel Characterization and Hybrid Modeling for Millimeter-Wave Communications in Metro Train. IEEE Transactions on Vehicular Technology, 2020, 69, 12408-12417.	6.3	16
114	Contention Based Massive Access Scheme for B5G: A Compressive Sensing Method. , 2020, , .		1
115	Learning While Tracking: A Practical System Based on Variational Gaussian Process State-Space Model and Smartphone Sensory Data. , 2020, , .		3
116	Performance Analysis of Dual-Hop Mixed FSO/mmWave Systems. , 2020, , .		1
117	QoS-Aware Bandwidth Allocation and Concurrent Scheduling for Terahertz Wireless Backhaul Networks. IEEE Access, 2020, 8, 125814-125825.	4.2	10
118	Measurements and Cluster-Based Modeling of Vehicle-to-Vehicle Channels With Large Vehicle Obstructions. IEEE Transactions on Wireless Communications, 2020, 19, 5860-5874.	9.2	35
119	Clustering Performance Evaluation Algorithm for Vehicle-to-Vehicle Radio Channels. , 2020, , .		1
120	Optimized Scheme of Antenna Diversity for Radio Wave Coverage in Tunnel Environment. IEEE Access, 2020, 8, 127226-127233.	4.2	7
121	Identification of Vehicle Obstruction Scenario Based on Machine Learning in Vehicle-to-vehicle Communications. , 2020, , .		5
122	Licensed and Unlicensed Spectrum Management for Cognitive M2M: A Context-Aware Learning Approach. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 915-925.	7.9	25
123	Impact of Meteorological Attenuation on Channel Characterization at 300 GHz. Electronics (Switzerland), 2020, 9, 1115.	3.1	13
124	NOMA-Based Cell-Free Massive MIMO Over Spatially Correlated Rician Fading Channels. , 2020, , .		9
125	Time-Dependent Pricing for Bandwidth Slicing Under Information Asymmetry and Price Discrimination. IEEE Transactions on Communications, 2020, 68, 6975-6989.	7.8	21
126	A Novel Power Weighted Multipath Component Clustering Algorithm Based on Spectral Clustering. , 2020, , .		4

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127	Efficient Receiver for Cell-Free Massive MIMO Systems with Low-Resolution ADCs. , 2020, , .		5
128	Game Theory-Based Multi-Objective Optimization Interference Alignment Algorithm for HSR 5G Heterogeneous Ultra-Dense Network. IEEE Transactions on Vehicular Technology, 2020, 69, 13371-13382.	6.3	16
129	Concepts on Train-to-Ground Wireless Communication System for Hyperloop: Channel, Network Architecture, and Resource Management. Energies, 2020, 13, 4309.	3.1	14
130	Channel Characterization for Vehicle-to-Infrastructure Communications at the Terahertz Band. , 2020, , .		3
131	Implementation and Evaluation of Ray-Tracing Acceleration Methods in Wireless Communication. , 2020, , .		2
132	Artificial Neural Network Based Path Loss Prediction for Wireless Communication Network. IEEE Access, 2020, 8, 199523-199538.	4.2	64
133	A Grant-Free Method for Massive Machine-Type Communication With Backward Activity Level Estimation. IEEE Transactions on Signal Processing, 2020, 68, 6665-6680.	5.3	12
134	Measurement and Simulation for Vehicle-to-Infrastructure Communications at 3.5â€‰GHz for 5G. Wireless Communications and Mobile Computing, 2020, 2020, 1-13.	1.2	3
135	Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 12418-12431.	6.3	72
136	Coalition Game Based Full-Duplex Popular Content Distribution in mmWave Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 13836-13848.	6.3	8
137	An Improved Interference Alignment Algorithm With User Mobility Prediction for High-Speed Railway Wireless Communication Networks. IEEE Access, 2020, 8, 80468-80479.	4.2	6
138	Dual-Hop Relaying Communications Over Fisher-Snedecor F-Fading Channels. IEEE Transactions on Communications, 2020, 68, 2695-2710.	7.8	26
139	Design and Characterization of Nanopore- Assisted Weakly-Coupled Few-Mode Fiber for Simpler MIMO Space Division Multiplexing. IEEE Access, 2020, 8, 76173-76181.	4.2	10
140	5G Key Technologies for Smart Railways. Proceedings of the IEEE, 2020, 108, 856-893.	21.3	192
141	Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 9643-9655.	6.3	28
142	Multidimensional Channel Characteristics Analysis in Highâ€Speed Train Scenarios. Radio Science, 2020, 55, e2020RS007076.	1.6	0
143	Channel Non-Line-of-Sight Identification Based on Convolutional Neural Networks. IEEE Wireless Communications Letters, 2020, 9, 1500-1504.	5.0	32
144	Satelliteâ€Terrestrial Channel Characterization in Highâ€Speed Railway Environment at 22.6ÂGHz. Radio Science, 2020, 55, e2019RS006995.	1.6	3

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145	AI-Enabled Sub-6-GHz and mm-Wave Hybrid Communications: Considerations for Use With Future HSR Wireless Systems. IEEE Vehicular Technology Magazine, 2020, 15, 59-67.	3.4	11
146	Graph Coloring Based Pilot Assignment for Cell-Free Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 9180-9184.	6.3	67
147	Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlaying Heterogeneous Cellular Networks Using Coalition Formation Games. IEEE Transactions on Vehicular Technology, 2020, 69, 9736-9749.	6.3	7
148	Backscatter Aided Wireless Communications on High-Speed Rails: Capacity Analysis and Transceiver Design. IEEE Journal on Selected Areas in Communications, 2020, 38, 2864-2874.	14.0	8
149	Learning-Based Energy-Efficient Channel Selection for Edge Computing-Empowered Cognitive Machine-to-Machine Communications. , 2020, , .		2
150	Efficient Receiver Design for Uplink Cell-Free Massive MIMO With Hardware Impairments. IEEE Transactions on Vehicular Technology, 2020, 69, 4537-4541.	6.3	53
151	Channel Characterization for Vehicle-to-Infrastructure Communications in Millimeter-Wave Band. IEEE Access, 2020, 8, 42325-42341.	4.2	16
152	A Compact Hepta-Band Mode-Composite Antenna for Sub (6, 28, and 38) GHz Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 2593-2602.	5.1	53
153	Machine Learning-Enabled LOS/NLOS Identification for MIMO Systems in Dynamic Environments. IEEE Transactions on Wireless Communications, 2020, 19, 3643-3657.	9.2	85
154	Trajectory-Joint Clustering Algorithm for Time-Varying Channel Modeling. IEEE Transactions on Vehicular Technology, 2020, 69, 1041-1045.	6.3	37
155	Sum of Fisher-Snedecor F Random Variables and Its Applications. IEEE Open Journal of the Communications Society, 2020, 1, 342-356.	6.9	21
156	On the Performance of Dual-Hop Systems Over Mixed FSO/mmWave Fading Channels. IEEE Open Journal of the Communications Society, 2020, 1, 477-489.	6.9	30
157	Wireless Channel Pattern Recognition Using k-Nearest Neighbor Algorithm for High-Speed Railway. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 579-588.	0.3	1
158	Transmission Schemes for Backscatter Aided Wireless Communications on High Speed Rails. , 2020, , .		1
159	Channel Sounding and Ray Tracing for THz Channel Characterization. , 2020, , .		8
160	Outage Probability of Two-Way Relaying Systems Over Mixed Fluctuating Two-Ray and Nakagami-m Fading Channels. , 2020, , .		0
161	Reconfigurable Intelligent Surface Assisted D2D Networks: Power and Discrete Phase Shift Design. , 2020, , .		3
162	Joint Beamforming and Power Allocation in Millimeter-Wave High-Speed Railway Systems. , 2020, , .		5

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163	Feeder Communication for Integrated Networks. IEEE Wireless Communications, 2020, 27, 20-27.	9.0	10
164	Power Allocation for Millimeter-Wave Railway Systems with Multi-Agent Deep Reinforcement Learning. , 2020, , .		1
165	Cell-Free Massive MIMO with Channel Aging and Pilot Contamination. , 2020, , .		9
166	Experimental Assessment of a Method to Perform High Velocity Measurement at Low Velocity. , 2020, , .		0
167	Influence of Meteorological Attenuation on the Channel Characteristics for High-Speed Railway at the Millimeter-Wave Band. , 2020, , .		2
168	Angle-of-Arrival Estimation for Vehicle-to-vehicle Communications based on Machine Learning. , 2020, , .		9
169	QoE-Aware Coordinated Caching for Adaptive Video Streaming in High-speed Railways. , 2020, , .		1
170	Impact of UAV Rotation on MIMO Channel Space-Time Correlation. , 2020, , .		5
171	Influence Analysis of Typical Objects in Rural Railway Environments at 28 GHz. IEEE Transactions on Vehicular Technology, 2019, 68, 2066-2076.	6.3	28
172	Realizing Railway Cognitive Radio: A Reinforcement Base-Station Multi-Agent Model. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1452-1467.	8.0	15
173	Spatial Modulation Aided Layered Division Multiplexing: A Spectral Efficiency Perspective. IEEE Transactions on Broadcasting, 2019, 65, 20-29.	3.2	7
174	Measurement-Based Markov Modeling for Multi-Link Channels in Railway Communication Systems. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 985-999.	8.0	12
175	The Design and Applications of High-Performance Ray-Tracing Simulation Platform for 5G and Beyond Wireless Communications: A Tutorial. IEEE Communications Surveys and Tutorials, 2019, 21, 10-27.	39.4	221
176	On 3D Cluster-Based Channel Modeling for Large-Scale Array Communications. IEEE Transactions on Wireless Communications, 2019, 18, 4902-4914.	9.2	18
177	Channel Estimation and Self-Positioning for UAV Swarm. IEEE Transactions on Communications, 2019, 67, 7994-8007.	7.8	16
178	Task Offloading for Vehicular Fog Computing under Information Uncertainty: A Matching-Learning Approach. , 2019, , .		15
179	Energy-Efficient Power Control of Trainâ€“Ground mmWave Communication for High-Speed Trains. IEEE Transactions on Vehicular Technology, 2019, 68, 7704-7714.	6.3	16
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