

Jintao Wang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Optical Beam Switching for Physical Layer Security of Visible Light Communications. IEEE Photonics Journal, 2022, 14, 1-9.	1.0	2
2	Triple-Structured Sparsity-Based Channel Feedback for RIS-Assisted MU-MIMO System. IEEE Communications Letters, 2022, 26, 1141-1145.	2.5	6
3	Binarized Aggregated Network With Quantization: Flexible Deep Learning Deployment for CSI Feedback in Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2022, 21, 5514-5525.	6.1	19
4	Performance Comparison of Repetition Coding MIMO Optical Wireless Communications with Distinct Light Beams. Sensors, 2022, 22, 1256.	2.1	1
5	Effects of Optical Beams on MIMO Visible Light Communication Channel Characteristics. Sensors, 2022, 22, 216.	2.1	1
6	A Hungarian Algorithm Based Hybrid Precoding Scheme for mmWave Massive MIMO Systems. , 2022, , .		0
7	Scheduling to Minimize Age of Synchronization in Multi-channel Time-sensitive Networks. , 2022, , .		1
8	Online Utility Optimization in Multi-User Interference Networks Under a Long-Term Budget Constraint. IEEE Transactions on Vehicular Technology, 2022, 71, 11033-11046.	3.9	2
9	Error Correction Coding for One-Bit Quantization With CNN-Based AutoEncoder. IEEE Communications Letters, 2022, 26, 1814-1818.	2.5	3
10	Optical Beams Switching-Based Coverage Enhancement Scheme for Compact Visible Light Communications. Journal of Lightwave Technology, 2022, 40, 6139-6150.	2.7	0
11	High-SNR Capacity of MIMO Optical Intensity Channels: A Sphere-Packing Perspective. IEEE Communications Letters, 2022, 26, 2302-2306.	2.5	0
12	Low-Complexity Hybrid Precoding Algorithm Based on Log-Det Expansion for GenSM-Aided MmWave MIMO System. IEEE Transactions on Vehicular Technology, 2021, 70, 1554-1564.	3.9	2
13	Higher Spectral Efficiency for mmWave MIMO: Enabling Techniques and Precoder Designs. IEEE Communications Magazine, 2021, 59, 116-122.	4.9	5
14	Binary Neural Network Aided CSI Feedback in Massive MIMO System. IEEE Wireless Communications Letters, 2021, 10, 1305-1308.	3.2	24
15	Optimizing Age Penalty in Time-Varying Networks with Markovian and Error-Prone Channel State. Entropy, 2021, 23, 91.	1.1	7
16	Early Drop: A Packet-Dropping Incentive Rate Control Mechanism to Keep Data Fresh under Heterogeneous QoS Requirements. , 2021, , .		3
17	A Low-Complexity Hybrid Precoding Scheme for mmWave MIMO Systems with Dynamic Subarrays. , 2021, , .		3
18	Field Trials of UHD TV Broadcasting over DTMB-A System. Smpte Motion Imaging Journal, 2021, 130, 47-59.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Secure Optical Wireless Links with Dynamic Beam and Diversity Receiver. , 2021, , .		1
20	Joint Link Rate Selection and Channel State Change Detection in Block-Fading Channels. , 2021, , .		2
21	Triple-Structured Compressive Sensing-based Channel Estimation for RIS-aided MU-MIMO Systems. , 2021, , .		4
22	Research on Coordinated Coverage of Non-Lambertian Optical Wireless Communications. , 2021, , .		1
23	Low-Complexity OFDM-Based Hybrid Precoding for Multiuser Massive MIMO Systems. IEEE Wireless Communications Letters, 2020, 9, 263-266.	3.2	19
24	Performance Analysis for Multihop Cognitive Radio Networks With Energy Harvesting by Using Stochastic Geometry. IEEE Internet of Things Journal, 2020, 7, 1154-1163.	5.5	24
25	Deep Learning-Based Channel Estimation Algorithm Over Time Selective Fading Channels. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 125-134.	4.9	74
26	Internet of radio and light: 5G building network radio and edge architecture. Intelligent and Converged Networks, 2020, 1, 37-57.	3.2	20
27	A High-Precision Positioning Scheme Under Non-Point Visible Transmitters. IEEE Open Journal of the Communications Society, 2020, 1, 1131-1139.	4.4	1
28	Multi-resolution CSI Feedback with Deep Learning in Massive MIMO System. , 2020, , .		97
29	5G Internet of Radio Light Positioning System for Indoor Broadcasting Service. IEEE Transactions on Broadcasting, 2020, 66, 534-544.	2.5	30
30	Device Activity Detection and Non-Coherent Information Transmission for Massive Machine-Type Communications. IEEE Access, 2020, 8, 41452-41465.	2.6	13
31	Scheduling to Minimize Age of Synchronization in Wireless Broadcast Networks With Random Updates. IEEE Transactions on Wireless Communications, 2020, 19, 4023-4037.	6.1	17
32	Efficient Selection on Spatial Modulation Antennas: Learning or Boosting. IEEE Wireless Communications Letters, 2020, 9, 1249-1252.	3.2	16
33	Minimizing Age of Information With Power Constraints: Multi-User Opportunistic Scheduling in Multi-State Time-Varying Channels. IEEE Journal on Selected Areas in Communications, 2020, 38, 854-868.	9.7	97
34	Low-Complexity Hybrid Precoder Design for GenSM-Aided mmWave MIMO. , 2020, , .		0
35	8K Ultra-high Definition Digital Television Transmission System Based on DTMB-A. , 2020, , .		1
36	Delay Optimal Cross-Layer Scheduling Over Markov Channels with Power Constraint. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	The Performance Measurement of the 60GHz mmWave Module for IoRL Network. , 2020, , .		1
38	Optimizing Age of Information in Multicast Unilateral Networks. , 2020, , .		2
39	Spatial Modulation Aided Layered Division Multiplexing: A Spectral Efficiency Perspective. IEEE Transactions on Broadcasting, 2019, 65, 20-29.	2.5	7
40	Key Technologies and Measurements for DTMB-A System. IEEE Transactions on Broadcasting, 2019, 65, 53-64.	2.5	25
41	Off-Grid Sparse Bayesian Learning-Based Channel Estimation for MmWave Massive MIMO Uplink. IEEE Wireless Communications Letters, 2019, 8, 45-48.	3.2	31
42	Deep Learning-Based Space Shift Keying Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 70-78.	0.2	1
43	Multi-Resolution Beamforming and User Clustering in Downlink Massive MIMO Non-Orthogonal Multiple Access System. , 2019, , .		0
44	Stochastic Optimization Based Dynamic User Scheduling and Hybrid Precoding for Broadband MmWave MIMO. , 2019, , .		5
45	A Novel Three-Dimensional Algorithm Based on Practical Indoor Visible Light Positioning. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	9
46	Towards Higher Spectral Efficiency: Spatial Path Index Modulation Improves Millimeter-Wave Hybrid Beamforming. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1348-1359.	7.3	9
47	Joint Transceiver Optimization for Wireless Communication PHY Using Neural Network. IEEE Journal on Selected Areas in Communications, 2019, 37, 1364-1373.	9.7	69
48	Results of the DTMB-A Field Trials in Hong Kong. , 2019, , .		2
49	On RF-Chain Limited Spatial Modulation Aided NOMA: Spectral Efficiency Analysis. , 2019, , .		1
50	Scheduling to Minimize Age of Information in Multi-State Time-Varying Networks with Power Constraints. , 2019, , .		24
51	Low-Complexity Multiuser Detection for Generalized Media-Based Modulation Systems. , 2019, , .		0
52	Average SER Analysis for Layered Division Multiplexing System with Index Modulation. , 2019, , .		0
53	High Accuracy Indoor Visible Light Positioning Considering the Shapes of Illuminators. , 2019, , .		5
54	Deep Convolutional Auto-Encoder based Indoor Light Positioning Using RSS Temporal Image. , 2019, , .		6

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55	Scheduling to Minimize Age of Synchronization in Wireless Broadcast Networks with Random Updates. , 2019, , .		7
56	On the Achievable Rate Region of NOMA Under Outage Probability Constraints. IEEE Communications Letters, 2019, 23, 370-373.	2.5	21
57	Joint bandwidth and power allocation for multiple services in TV white space. IET Communications, 2019, 13, 569-577.	1.5	0
58	Uplink Spectral Efficiency Analysis and Optimization for Massive SC-SM MIMO With Frequency Domain Detection. IEEE Transactions on Vehicular Technology, 2018, 67, 3937-3949.	3.9	7
59	Spatial Modulation for More Spatial Multiplexing: RF-Chain-Limited Generalized Spatial Modulation Aided MM-Wave MIMO With Hybrid Precoding. IEEE Transactions on Communications, 2018, 66, 986-998.	4.9	53
60	Generalized Spatial Modulation-Based Multi-User and Signal Detection Scheme for Terrestrial Return Channel With NOMA. IEEE Transactions on Broadcasting, 2018, 64, 211-219.	2.5	18
61	Point-to-Multipoint Communications and Broadcasting in 5G. IEEE Communications Magazine, 2018, 56, 72-73.	4.9	7
62	Outage Analysis for Downlink NOMA With Statistical Channel State Information. IEEE Wireless Communications Letters, 2018, 7, 142-145.	3.2	72
63	Spectral Efficiency Enhancement With Power Allocation for Massive SC-SM MIMO Uplink. IEEE Communications Letters, 2018, 22, 101-104.	2.5	3
64	On the Achievable Spectral Efficiency of Layered Division Multiplexing with Finite Alphabet Inputs. , 2018, , .		2
65	A High-Accuracy Adaptive Beam Training Algorithm for MmWave Communication. , 2018, , .		8
66	A Novel User Pairing in Downlink Non-Orthogonal Multiple Access. , 2018, , .		15
67	Spectral Efficiency Maximization for Spatial Modulation Aided Layered Division Multiplexing: An Injection Level Optimization Perspective. , 2018, , .		2
68	Low Complexity Hybrid Precoding Algorithm for GenSM Aided mmWave MIMO Systems. , 2018, , .		2
69	On the Energy Coverage of Low Power Wide Area Networks (LPWANs) Wireless Powered by Ultra-Dense mmWave Small Cells. , 2018, , .		2
70	Spectral Efficiency Analysis for Spatial Modulation Aided Layered Division Multiplexing Systems With Gaussian and Finite Alphabet Inputs. IEEE Transactions on Broadcasting, 2018, 64, 909-914.	2.5	8
71	Spectral efficiency analysis and pilot reuse factor optimisation for multi-cell massive SC-SM MIMO. IET Communications, 2018, 12, 1195-1200.	1.5	0
72	Bandwidth Efficiency Maximization for Single-Cell Massive Spatial Modulation MIMO: An Adaptive Power Allocation Perspective. IEEE Access, 2017, 5, 1482-1495.	2.6	6

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73	A Low-Complexity Detection Algorithm for Uplink NOMA System Based on Gaussian Approximation. , 2017, , .		13
74	On the Achievable Spectral Efficiency of Spatial Modulation Aided Downlink Non-Orthogonal Multiple Access. IEEE Communications Letters, 2017, 21, 1937-1940.	2.5	35
75	Multiuser Detection for FEC-Coded Massive Spatial Modulation MIMO: An Iterative Interference Rejection Approach. IEEE Transactions on Vehicular Technology, 2017, 66, 9567-9571.	3.9	5
76	Mutual Information and Error Probability Analysis on Generalized Spatial Modulation System. IEEE Transactions on Communications, 2017, 65, 1044-1060.	4.9	37
77	On the Multi-User Multi-Cell Massive Spatial Modulation Uplink: How Many Antennas for Each User?. IEEE Transactions on Wireless Communications, 2017, 16, 1437-1451.	6.1	40
78	On Generalized Spatial Modulation Aided Millimeter Wave MIMO: Spectral Efficiency Analysis and Hybrid Precoder Design. IEEE Transactions on Wireless Communications, 2017, 16, 7658-7671.	6.1	33
79	Basis expansion model based spectral efficient channel estimation scheme for massive MIMO systems. , 2017, , .		1
80	Harvesting both rate gain and diversity gain: Combination of NOMA with the Alamouti scheme. , 2017, , .		13
81	A polynomial expansion based detection: A low-complexity approach for generalised spatial modulation over transmit antenna correlation. , 2017, , .		0
82	Spectral efficiency analysis for spatial modulation in massive MIMO uplink over dispersive channels. , 2017, , .		6
83	Doubly selective underwater acoustic channel estimation with basis expansion model. , 2017, , .		7
84	Spectral Efficiency Analysis for Downlink NOMA Aided Spatial Modulation With Finite Alphabet Inputs. IEEE Transactions on Vehicular Technology, 2017, 66, 10562-10566.	3.9	49
85	Spectral-Efficient Analog Precoding for Generalized Spatial Modulation Aided MmWave MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 9598-9602.	3.9	21
86	Frequency-Domain Turbo Equalization With Iterative Channel Estimation for MIMO Underwater Acoustic Communications. IEEE Journal of Oceanic Engineering, 2017, 42, 711-721.	2.1	38
87	Constellation and labeling optimization for bit-interleaved coded spatial modulation system. , 2017, , .		2
88	Reducing RF resource for 5G communication networks: A spatial modulation motivated approach. , 2017, , .		0
89	Generalized Spatial Modulation Aided mmWave MIMO with Sub-Connected Hybrid Precoding Scheme. , 2017, , .		3
90	Iterative uniform-cost search of active antenna group selection for generalised spatial modulation. , 2017, , .		2

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91	Basis expansion model based spectral efficient channel recovery scheme for spatial-temporal correlated massive MIMO systems. IET Communications, 2017, 11, 2621-2629.	1.5	2
92	On Massive Spatial Modulation MIMO: Spectral Efficiency Analysis and Optimal System Design. , 2016, , .		9
93	Pilot allocation for MIMO-OFDM systems: A structured compressive sensing perspective. , 2016, , .		3
94	Equalization without noise enhancement for dual PN padding TDS-OFDM. , 2016, , .		1
95	Pilot allocation for MIMO-ZP-OFDM systems in underwater acoustic channel based on structured compressive sensing. , 2016, , .		0
96	A MACA-based collision avoidance MAC protocol for underwater acoustic sensor networks. , 2016, , .		7
97	A Priori Information Aided Iterative Equalization: A Novel Approach for Single-Carrier Spatial Modulation in Dispersive Channels. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	11
98	Error probability and mutual information analysis on generalized precoded spatial modulation system. , 2016, , .		3
99	Compressive sensing based signal design for multiple access in return channel. , 2016, , .		0
100	Frequency Domain Turbo Equalization under MMSE Criterion for Single Carrier MIMO Systems. , 2015, , .		3
101	Frequency Domain Turbo Equalization with Iterative Channel Estimation for Single Carrier MIMO Underwater Acoustic Communications. , 2015, , .		2
102	Inter-carrier interference cancelation for Alamouti coded single frequency network. , 2015, , .		0
103	Mutual Information Analysis on Spatial Modulation Multiple Antenna System. IEEE Transactions on Communications, 2015, 63, 826-843.	4.9	57
104	ℓ_1 Minimization Based Symbol Detection for Generalized Space Shift Keying. IEEE Communications Letters, 2015, 19, 1109-1112.	2.5	10
105	Iterative MMSE-DFE and Error Transfer for OFDM in Doubly Selective Channels. IEEE Transactions on Broadcasting, 2015, 61, 541-547.	2.5	5
106	A low complexity frequency offset estimation for dual PN TDS-OFDM. , 2015, , .		0
107	Improving the performance of spatial modulation by phase-only pre-scaling. , 2015, , .		4
108	A novel spectral efficient spatial modulation scheme. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
109	Convergence of Frequency-Domain Iterative MF-DFE for Single-Carrier Modulation. IEEE Transactions on Communications, 2015, 63, 4150-4158.	4.9	0
110	Extended space shift keying scheme for MIMO channels. , 2014, , .		0
111	Iterative receiver with Turbo equalization and soft demapping in multipath fading channels. , 2014, , .		1
112	Adaptive subspace pursuit based channel estimation method for TDS-OFDM systems. , 2014, , .		0
113	Indoor hospital communication systems: An integrated solution based on power line and visible light communication. , 2014, , .		32
114	Frequency Domain Turbo Equalization under MMSE Criterion for Single Carrier MIMO Systems. , 2014, , .		1
115	The Noise Transfer Analysis in Frequency Domain Zero-Forcing Equalization. IEEE Transactions on Communications, 2013, 61, 1-12.	4.9	8
116	A novel scheme for single-carrier wireless burst transmission. , 2013, , .		0
117	Spectrum- and Energy-Efficient OFDM Based on Simultaneous Multi-Channel Reconstruction. IEEE Transactions on Signal Processing, 2013, 61, 6047-6059.	3.2	106
118	Adaptive compressive sensing based channel estimation for TDS-OFDM systems. , 2013, , .		4
119	Field trial of advanced DTMB system DTMB-A in Hong Kong. , 2013, , .		11
120	Time domain synchronous OFDM based on simultaneous multi-channel reconstruction. , 2013, , .		7
121	Channel estimation for TDS-OFDM transmit diversity systems over doubly selective channels. , 2012, , .		1
122	Research on 4-D 8PSK TCM decoding algorithm. , 2012, , .		6
123	Dual PN padding TDS-OFDM for underwater acoustic communication. , 2012, , .		5
124	Generalised Spatial Modulation System with Multiple Active Transmit Antennas and Low Complexity Detection Scheme. IEEE Transactions on Wireless Communications, 2012, 11, 1605-1615.	6.1	417
125	Layered data transmission based on training sequences in TDS-OFDM system. , 2012, , .		0
126	Signal Vector Based Detection Scheme for Spatial Modulation. IEEE Communications Letters, 2012, 16, 19-21.	2.5	77

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127	A Novel Two-Layer Data Transmission Scheme in TDS-OFDM System. IEICE Transactions on Communications, 2012, E95-B, 3637-3641.	0.4	2
128	Low complexity implementation of channel estimation and equalization for TDS-OFDM system. , 2011, , .		0
129	Pilot Design and Channel Estimation for TDS-OFDM System with Transmit Diversity. IEICE Transactions on Communications, 2011, E94-B, 852-855.	0.4	3
130	A Novel Multi-Service Multiplexing Scheme Based on STBC in TDS-OFDM System. IEICE Transactions on Communications, 2011, E94-B, 1118-1121.	0.4	1
131	Transmit Diversity for TDS-OFDM Broadcasting System Over Doubly Selective Fading Channels. IEEE Transactions on Broadcasting, 2011, 57, 135-142.	2.5	34
132	Transmit Diversity Scheme for TDS-OFDM Systems with Reduced Complexity. , 2011, , .		4
133	On the datacasting scheme over Chinese DTTB systems using signal space diversity. , 2011, , .		0
134	Complexity Reduced Transmit Diversity Scheme for Time Domain Synchronous OFDM Systems. IEICE Transactions on Communications, 2011, E94-B, 3116-3124.	0.4	0
135	Differential ISI Cancellation for TDS-OFDM. IEICE Transactions on Communications, 2010, E93-B, 207-210.	0.4	0
136	Designs of Differential Space-Time and Space-Frequency Coded OFDM Schemes. Wireless Personal Communications, 2010, 52, 195-208.	1.8	0
137	Improved Channel Estimation for TDS-OFDM Based on Flexible Frequency-Binary Padding. IEEE Transactions on Broadcasting, 2010, 56, 418-424.	2.5	23
138	Embedded Transmission of Multi-Service Over DTMB System. IEEE Transactions on Broadcasting, 2010, 56, 504-513.	2.5	10
139	Review of Key Techniques for Future DTTB Systems. , 2010, , .		1
140	TDS-OFDM Transmit Diversity Based on Space-Time Shifted CAZAC Sequence. , 2010, , .		2
141	Accurate position location in TDS-OFDM based digital television broadcasting networks. , 2010, , .		0
142	Efficient Rate-Adaptive Modulation for LDPC-Coded OFDM System. , 2010, , .		0
143	Technical Review for Chinese Future DTTB System. , 2010, , .		4
144	Simplified Decision-Directed Channel Estimation Method for OFDM System with Transmit Diversity. , 2009, , .		5

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145	Frequency synchronization for TDS-OFDM system with transmit diversity. , 2009, , .		0
146	Low Complexity Soft Decoder for Nordstrom-Robinson Code With Application to the Chinese DTTB Standard. IEEE Transactions on Broadcasting, 2009, 55, 668-673.	2.5	3
147	Channel Estimation Based on Space-Time-Frequency Coded Training Sequence for Transmit Diversity System. IEICE Transactions on Communications, 2009, E92-B, 1901-1903.	0.4	10
148	Novel Consecutive-Pilot Design for Phase Noise Suppression in OFDM System. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 1704-1707.	0.2	0
149	Novel channel estimation method based on PN sequence reconstruction for Chinese DTTB system. IEEE Transactions on Consumer Electronics, 2008, 54, 1583-1589.	3.0	32
150	Iterative Channel Estimation for Unique-Word Based Single-Carrier Block Transmission. , 2008, , .		4
151	High-throughput LDPC decoding architecture. , 2008, , .		2
152	Channel Estimation for the Chinese DTTB System Based on a Novel Iterative PN Sequence Reconstruction. , 2008, , .		8
153	Performance improvement of a transmitter diversity scheme for TDS-OFDM system. , 0, , .		1
154	Optical beam cooperation-based secrecy capacity enhancement for visible light communications. Electronics Letters, 0, , .	0.5	0