

Xinlei Chen

List of Publications by Year in descending order

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367
papers

14,560
citations

30070

54
h-index

26613

107
g-index

369
all docs

369
docs citations

369
times ranked

14249
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics-Guided Generative Adversarial Networks for Sea Subsurface Temperature Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3357-3370.	11.3	8
2	Deep Cascade Gradient RBF Networks With Output-Relevant Feature Extraction and Adaptation for Nonlinear and Nonstationary Processes. IEEE Transactions on Cybernetics, 2023, 53, 4908-4922.	9.5	2
3	Multi-Output Selective Ensemble Identification of Nonlinear and Nonstationary Industrial Processes. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1867-1880.	11.3	7
4	Adaptive Hybrid Model-Enabled Sensing System (HMSS) for Mobile Fine-Grained Air Pollution Estimation. IEEE Transactions on Mobile Computing, 2022, 21, 1927-1944.	5.8	27
5	Gaussian Dynamic Convolution for Efficient Single-Image Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2937-2948.	8.3	21
6	A Novel Probabilistic Label Enhancement Algorithm for Multi-Label Distribution Learning. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5098-5113.	5.7	5
7	Flow cytometric assessment of the chlorine/chloramine efficacy of particle-associated bacteria in drinking water. Environmental Technology (United Kingdom), 2022, 43, 3212-3220.	2.2	2
8	Multilabel Distribution Learning Based on Multioutput Regression and Manifold Learning. IEEE Transactions on Cybernetics, 2022, 52, 5064-5078.	9.5	9
9	AirEdge: A Dependency-Aware Multi-Task Orchestration in Federated Aerial Computing. IEEE Transactions on Vehicular Technology, 2022, 71, 805-819.	6.3	4
10	Autoencoder with fitting network for Terahertz wireless communications: A deep learning approach. China Communications, 2022, 19, 172-180.	3.2	5
11	Non-Acted Text and Keystrokes Database and Learning Methods to Recognize Emotions. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-24.	4.3	5
12	Structure Parameter Optimized Kernel Based Online Prediction With a Generalized Optimization Strategy for Nonstationary Time Series. IEEE Transactions on Signal Processing, 2022, 70, 2698-2712.	5.3	4
13	B-Spline Neural Network Assisted Space-Time Equalization for Single-Carrier Multiuser Nonlinear Frequency-Selective MIMO Uplink. WSEAS Transactions on Communications, 2022, 21, 155-169.	0.1	0
14	Mobility Support for Millimeter Wave Communications: Opportunities and Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 1816-1842.	39.4	18
15	Simultaneous Multi-Beam Training for Millimeter-Wave Communication System. IEEE Transactions on Vehicular Technology, 2022, 71, 10631-10645.	6.3	0
16	Direction-of-arrival estimation for circular partial coprime array via nuclear norm optimization model after coprime interpolation. , 2022, 128, 103611.		0
17	Distilling Ordinal Relation and Dark Knowledge for Facial Age Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3108-3121.	11.3	20
18	Matrix-Monotonic Optimization Part II: Multi-Variable Optimization. IEEE Transactions on Signal Processing, 2021, 69, 179-194.	5.3	14

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19	A Unified MIMO Optimization Framework Relying on the KKT Conditions. IEEE Transactions on Communications, 2021, 69, 7251-7268.	7.8	7
20	Deep Learning Assisted Calibrated Beam Training for Millimeter-Wave Communication Systems. IEEE Transactions on Communications, 2021, 69, 6706-6721.	7.8	34
21	Recovering Surface Normal and Arbitrary Images: A Dual Regression Network for Photometric Stereo. IEEE Transactions on Image Processing, 2021, 30, 3676-3690.	9.8	36
22	Priority-Aware Secure Precoding Based on Multi-Objective Symbol Error Ratio Optimization. IEEE Transactions on Communications, 2021, 69, 1912-1929.	7.8	0
23	Mechanistic analysis of multiple processes controlling solar-driven H ₂ O ₂ synthesis using engineered polymeric carbon nitride. Nature Communications, 2021, 12, 3701.	12.8	175
24	Statistical Characteristics of Raindrop Size Distribution in Monsoon Season over South China Sea. Remote Sensing, 2021, 13, 2878.	4.0	10
25	Efficient Two-Step Electron Oxygen Reduction to Hydrogen Peroxide Promoted by Ag _{7,8} -Tetracyanoquinodimethane Nanodots/Graphene Hydrogel Hybrid Electrocatalysts. ChemistrySelect, 2021, 6, 6450-6453.	1.5	3
26	Intestinal-derived HDL: The portal guardian of the liver. Immunity, 2021, 54, 1903-1905.	14.3	2
27	Beam Selection Assisted UAV-BS Deployment and Trajectory for Beamspace mmWave Systems. Wireless Communications and Mobile Computing, 2021, 2021, 1-21.	1.2	0
28	Particle swarm optimization assisted B-spline neural network based predistorter design to enable transmit precoding for nonlinear MIMO downlink. Neurocomputing, 2021, 458, 336-348.	5.9	5
29	Deep Learning-Assisted TeraHertz QPSK Detection Relying on Single-Bit Quantization. IEEE Transactions on Communications, 2021, 69, 8175-8187.	7.8	10
30	Matrix-Monotonic Optimization Part I: Single-Variable Optimization. IEEE Transactions on Signal Processing, 2021, 69, 738-754.	5.3	27
31	Air-to-Air Collaborative Learning: A Multi-Task Orchestration in Federated Aerial Computing. , 2021, , .		3
32	Accelerometer-Based Alcohol Consumption Detection from Physical Activity. , 2021, , .		1
33	On the Opportunistic Topology of Taxi Networks in Urban Mobility Environment. IEEE Transactions on Big Data, 2020, 6, 171-188.	6.1	4
34	Selective ensemble of multiple local model learning for nonlinear and nonstationary systems. Neurocomputing, 2020, 378, 98-111.	5.9	16
35	A Comprehensive Survey on Mobility-Aware D2D Communications: Principles, Practice and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1863-1886.	39.4	95
36	Multuser Detection for Nonlinear MIMO Uplink. IEEE Transactions on Communications, 2020, 68, 207-219.	7.8	9

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37	Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 428-442.	6.3	2
38	Host Defense Peptide Mimicking Peptide Polymer Exerting Fast, Broad Spectrum, and Potent Activities toward Clinically Isolated Multidrug-Resistant Bacteria. ACS Infectious Diseases, 2020, 6, 479-488.	3.8	39
39	Channel Fingerprint Based Beam Tracking for Millimeter Wave Communications. IEEE Communications Letters, 2020, 24, 639-643.	4.1	5
40	Fast tunable gradient RBF networks for online modeling of nonlinear and nonstationary dynamic processes. Journal of Process Control, 2020, 93, 53-65.	3.3	9
41	Compressive Sensing Based Massive Access for IoT Relying on Media Modulation Aided Machine Type Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 10391-10396.	6.3	16
42	Semi-blind joint channel estimation and data detection on sphere manifold for MIMO with high-order QAM signaling. Journal of the Franklin Institute, 2020, 357, 5680-5697.	3.4	4
43	Two-Dimensional Nanomesh Arrays as Bifunctional Catalysts for N_2 Electrolysis. ACS Catalysis, 2020, 10, 11371-11379.	11.2	55
44	Majorization-Minimization Aided Hybrid Transceivers for MIMO Interference Channels. IEEE Transactions on Signal Processing, 2020, 68, 4903-4918.	5.3	20
45	Histone Deacetylase 3 Couples Mitochondria to Drive IL-1 β -Dependent Inflammation by Configuring Fatty Acid Oxidation. Molecular Cell, 2020, 80, 43-58.e7.	9.7	55
46	1 A Deep Reinforcement Learning Framework to Combat Dynamic Blockage in mmWave V2X Networks. , 2020, , .		6
47	Remediation of hexavalent chromium in contaminated soil using amorphous iron pyrite: Effect on leachability, bioaccessibility, phytotoxicity and long-term stability. Environmental Pollution, 2020, 264, 114804.	7.5	43
48	On the Discrete-Input Continuous-Output Memoryless Channel Capacity of Layered ACO-OFDM. Journal of Lightwave Technology, 2020, 38, 4955-4968.	4.6	8
49	Hybrid Transceiver Optimization for Multi-Hop Communications. IEEE Journal on Selected Areas in Communications, 2020, 38, 1880-1895.	14.0	13
50	Fast Adaptive Gradient RBF Networks For Online Learning of Nonstationary Time Series. IEEE Transactions on Signal Processing, 2020, 68, 2015-2030.	5.3	25
51	Graph Theory Based Beam Scheduling for Inter-Cell Interference Avoidance in MmWave Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3929-3942.	6.3	25
52	Iron-Cluster-Directed Synthesis of 2D/2D Fe C /MXene Superlattice-like Heterostructure with Enhanced Oxygen Reduction Electrocatalysis. ACS Nano, 2020, 14, 2436-2444.	14.6	130
53	Growing and Pruning Selective Ensemble Regression for Nonlinear and Nonstationary Systems. IEEE Access, 2020, 8, 73278-73292.	4.2	7
54	Virtual Angular-Domain Channel Estimation for FDD Based Massive MIMO Systems with Partial Orthogonal Pilot Design. IEEE Transactions on Vehicular Technology, 2020, , 1-1.	6.3	15

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55	Training Optimization for Hybrid MIMO Communication Systems. IEEE Transactions on Wireless Communications, 2020, 19, 5473-5487.	9.2	7
56	H-DrunkWalk. ACM Transactions on Sensor Networks, 2020, 16, 1-27.	3.6	24
57	Novel Index Modulation Techniques: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 315-348.	39.4	229
58	QoE-Aware wireless video communications for emotion-aware intelligent systems: A multi-layered collaboration approach. Information Fusion, 2019, 47, 1-9.	19.1	16
59	Jamcloud: Turning Traffic Jams Into Computation Opportunitiesâ€œWhose Time Has Come. IEEE Access, 2019, 7, 115797-115815.	4.2	3
60	Closed-Loop Sparse Channel Estimation for Wideband Millimeter-Wave Full-Dimensional MIMO Systems. IEEE Transactions on Communications, 2019, 67, 8329-8345.	7.8	65
61	Accelerating Content Delivery via Efficient Resource Allocation for Network Coding Aided D2D Communications. IEEE Access, 2019, 7, 115783-115796.	4.2	8
62	Harmonic Retrieval Based Baseband Channel Estimation for Millimeter Wave OFDM Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 2668-2681.	6.3	3
63	Learning-Based Remote Channel Inference: Feasibility Analysis and Case Study. IEEE Transactions on Wireless Communications, 2019, 18, 3554-3568.	9.2	10
64	Robust Energy Efficiency Optimization for Amplify-and-Forward MIMO Relaying Systems. IEEE Transactions on Wireless Communications, 2019, 18, 4326-4343.	9.2	11
65	iLOCuS: Incentivizing Vehicle Mobility to Optimize Sensing Distribution in Crowd Sensing. IEEE Transactions on Mobile Computing, 2019, , 1-1.	5.8	45
66	Mobile-Traffic-Aware Offloading for Energy- and Spectral-Efficient Large-Scale D2D-Enabled Cellular Networks. IEEE Transactions on Wireless Communications, 2019, 18, 3251-3264.	9.2	32
67	CAP. , 2019, 3, 1-25.		29
68	Relay-Assisted and QoS Aware Scheduling to Overcome Blockage in mmWave Backhaul Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 1733-1744.	6.3	34
69	Early-Late Protocol for Coordinated Beam Scheduling in mmWave Cellular Networks. , 2019, , .		4
70	A Multiple Local Model Learning for Nonlinear and Time-Varying Microwave Heating Process. , 2019, , .		1
71	Deep Principal Component Analysis Based on Layerwise Feature Extraction and Its Application to Nonlinear Process Monitoring. IEEE Transactions on Control Systems Technology, 2019, 27, 2526-2540.	5.2	67
72	Boosting Fronthaul Capacity: Global Optimization of Power Sharing for Centralized Radio Access Network. IEEE Transactions on Vehicular Technology, 2019, 68, 1916-1929.	6.3	14

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73	Multi-Class Coded Layered Asymmetrically Clipped Optical OFDM. IEEE Transactions on Communications, 2019, 67, 578-589.	7.8	21
74	Device-to-Device Communications Enabled Multicast Scheduling with the Multi-level Codebook in mmWave Small Cells. Mobile Networks and Applications, 2019, 24, 1603-1617.	3.3	5
75	Understanding Urban Dynamics From Massive Mobile Traffic Data. IEEE Transactions on Big Data, 2019, 5, 266-278.	6.1	26
76	ASC. , 2019, , .		18
77	Joint angle measurement of manipulator and error compensation based on an IMU sensor. Journal of Engineering, 2019, 2019, 9001-9005.	1.1	2
78	A Survey of Opportunistic Offloading. IEEE Communications Surveys and Tutorials, 2018, 20, 2198-2236.	39.4	98
79	Energy-Spectral-Efficiency Analysis and Optimization of Heterogeneous Cellular Networks: A Large-Scale User-Behavior Perspective. IEEE Transactions on Vehicular Technology, 2018, 67, 4098-4112.	6.3	16
80	Adaptive Coding and Modulation for Large-Scale Antenna Array-Based Aeronautical Communications in the Presence of Co-Channel Interference. IEEE Transactions on Wireless Communications, 2018, 17, 1343-1357.	9.2	48
81	Metasurfaced Reverberation Chamber. Scientific Reports, 2018, 8, 1577.	3.3	6
82	CTS. , 2018, 1, 1-29.		14
83	Spatial Popularity and Similarity of Watching Videos in Large-Scale Urban Environment. IEEE Transactions on Network and Service Management, 2018, 15, 797-810.	4.9	10
84	Hardware-Efficient Hybrid Precoding for Millimeter Wave Systems With Multi-Feed Reflectarrays. IEEE Access, 2018, 6, 6795-6806.	4.2	27
85	Socially Aware Secrecy-Ensured Resource Allocation in D2D Underlay Communication: An Overlapping Coalitional Game Scheme. IEEE Transactions on Wireless Communications, 2018, 17, 4118-4133.	9.2	53
86	Device-to-Device Communications Enabled Energy Efficient Multicast Scheduling in mmWave Small Cells. IEEE Transactions on Communications, 2018, 66, 1093-1109.	7.8	54
87	Entropy Coding Aided Adaptive Subcarrier-Index Modulated OFDM. IEEE Access, 2018, 6, 7739-7752.	4.2	12
88	Polarization Sensitive Array Based Physical-Layer Security. IEEE Transactions on Vehicular Technology, 2018, 67, 3964-3981.	6.3	13
89	Nonlinear Process Fault Diagnosis Based on Serial Principal Component Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 560-572.	11.3	146
90	Tunable Spoof Surface Plasmons Bulleye Antenna. Plasmonics, 2018, 13, 697-703.	3.4	4

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91	TIME-SEQUENCE CHANNEL INFERENCE FOR BEAM ALIGNMENT IN VEHICULAR NETWORKS. , 2018, , .		10
92	Partially-Activated Conjugate Beamforming for LoS Massive MIMO Communications. IEEE Access, 2018, 6, 56504-56513.	4.2	3
93	Differential Evolution Algorithm Aided Turbo Channel Estimation and Multi-User Detection for G.Fast Systems in the Presence of FEXT. IEEE Access, 2018, 6, 33111-33128.	4.2	7
94	Adaptive Soft Sensor Development for Multi-Output Industrial Processes Based on Selective Ensemble Learning. IEEE Access, 2018, 6, 55628-55642.	4.2	31
95	Metal-Cluster-Directed Surface Charge Manipulation of Two-Dimensional Nanomaterials for Efficient Urea Electrocatalytic Conversion. ACS Applied Nano Materials, 2018, 1, 6649-6655.	5.0	11
96	Time-Invariant Joint Transmit and Receive Beampattern Optimization for Polarization-Subarray Based Frequency Diverse Array Radar. IEEE Transactions on Signal Processing, 2018, 66, 5364-5379.	5.3	19
97	Mobility-Aware Transmission Scheduling Scheme for Millimeter-Wave Cells. IEEE Transactions on Wireless Communications, 2018, 17, 5991-6004.	9.2	20
98	A Survey of Non-Orthogonal Multiple Access for 5G. IEEE Communications Surveys and Tutorials, 2018, 20, 2294-2323.	39.4	887
99	Sensing Mechanism of a Rotary Magnetic Encoder Based on Time Grating. IEEE Sensors Journal, 2018, 18, 3677-3683.	4.7	23
100	Social Trust Aided D2D Communications: Performance Bound and Implementation Mechanism. IEEE Journal on Selected Areas in Communications, 2018, 36, 1593-1608.	14.0	26
101	Social-Aware Secret Key Generation for Secure Device-to-Device Communication via Trusted and Non-Trusted Relays. IEEE Transactions on Wireless Communications, 2018, 17, 3918-3930.	9.2	67
102	Regularized Zero-Forcing Precoding-Aided Adaptive Coding and Modulation for Large-Scale Antenna Array-Based Air-to-Air Communications. IEEE Journal on Selected Areas in Communications, 2018, 36, 2087-2103.	14.0	23
103	Outage Probability Region and Optimal Power Allocation for Uplink SCMA Systems. IEEE Transactions on Communications, 2018, , 1-1.	7.8	6
104	Monitoring Nonlinear and Non-Gaussian Processes Using Gaussian Mixture Model-Based Weighted Kernel Independent Component Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 122-135.	11.3	88
105	Evaluating the Impact of User Behavior on D2D Communications in Millimeter-Wave Small Cells. IEEE Transactions on Vehicular Technology, 2017, 66, 6362-6377.	6.3	5
106	Fault discriminant enhanced kernel principal component analysis incorporating prior fault information for monitoring nonlinear processes. Chemometrics and Intelligent Laboratory Systems, 2017, 162, 21-34.	3.5	52
107	Comparative Performance of Complex-Valued B-Spline and Polynomial Models Applied to Iterative Frequency-Domain Decision Feedback Equalization of Hammerstein Channels. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2872-2884.	11.3	12
108	Position 228 in Paenibacillus macerans cyclodextrin glycosyltransferase is critical for 2-O- d -glucopyranosyl- l -ascorbic acid synthesis. Journal of Biotechnology, 2017, 247, 18-24.	3.8	7

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109	Broadband and Broad-angle Polarization-independent Metasurface for Radar Cross Section Reduction. Scientific Reports, 2017, 7, 40782.	3.3	106
110	Ultra-Low-Loss High-Contrast Gratings Based Spoof Surface Plasmonic Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2008-2018.	4.6	48
111	Impact of Selfishness in Device-to-Device Communication Underlying Cellular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9338-9349.	6.3	11
112	Ultra-wideband and broad-angle linear polarization conversion metasurface. Journal of Applied Physics, 2017, 121, 174902.	2.5	96
113	Joint Energy-Spectral-Efficiency Optimization of CoMP and BS Deployment in Dense Large-Scale Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 4832-4847.	9.2	23
114	Secure Communications for Dual-Polarized MIMO Systems. IEEE Transactions on Signal Processing, 2017, 65, 4177-4192.	5.3	27
115	Structured Non-Uniformly Spaced Rectangular Antenna Array Design for FD-MIMO Systems. IEEE Transactions on Wireless Communications, 2017, 16, 3252-3266.	9.2	21
116	Single-Carrier Frequency-Domain Equalization With Hybrid Decision Feedback Equalizer for Hammerstein Channels Containing Nonlinear Transmit Amplifier. IEEE Transactions on Wireless Communications, 2017, 16, 3341-3354.	9.2	10
117	A Two-Level Game Theory Approach for Joint Relay Selection and Resource Allocation in Network Coding Assisted D2D Communications. IEEE Transactions on Mobile Computing, 2017, 16, 2697-2711.	5.8	55
118	Efficient technique for broadband monostatic RCS using the characteristic basis function method with polynomial interpolation. Electronics Letters, 2017, 53, 956-958.	1.0	9
119	l1-norm penalised orthogonal forward regression. International Journal of Systems Science, 2017, 48, 2195-2201.	5.5	2
120	Recursive least squares semi-blind beamforming for MIMO using decision directed adaptation and constant modulus criterion. International Journal of Automation and Computing, 2017, 14, 442-449.	4.5	3
121	Deep learning based nonlinear principal component analysis for industrial process fault detection. , 2017, , .		12
122	Effective Surface Plasmon Polaritons Induced by Modal Dispersion in a Waveguide. Physical Review Applied, 2017, 7, .	3.8	49
123	Two-Dimensional Precoding for 3-D Massive MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 5485-5490.	6.3	28
124	Dual-Mode Index Modulation Aided OFDM. IEEE Access, 2017, 5, 50-60.	4.2	231
125	Two-Stage Time-Domain Pilot Contamination Elimination in Large-Scale Multiple-Antenna Aided and TDD Based OFDM Systems. IEEE Access, 2017, 5, 8629-8641.	4.2	3
126	Robust energy-efficient precoding optimization for dual-polarized multiuser MIMO downlink. , 2017, , .		3

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127	Performance Analysis of Layered ACO-OFDM. IEEE Access, 2017, 5, 18366-18381.	4.2	48
128	Efficient and reliable slice allocation for multi-services in DVB-T2 networks. IET Communications, 2017, 11, 837-845.	2.2	0
129	Millimetre-Wave Backhaul for 5G Networks: Challenges and Solutions. Sensors, 2016, 16, 892.	3.8	86
130	Accelerated Direct Solution of Electromagnetic Scattering via Characteristic Basis Function Method With Sherman-Morrison-Woodbury Formula-Based Algorithm. IEEE Transactions on Antennas and Propagation, 2016, 64, 4482-4486.	5.1	40
131	On the Serviceability of Mobile Vehicular Cloudlets in a Large-Scale Urban Environment. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2960-2970.	8.0	47
132	Sparsified Multi-level Adaptive Cross Approximation-Characteristic Basis Function Method for Fast Electromagnetic Scattering Analysis. Electromagnetics, 2016, 36, 457-469.	0.7	3
133	High-Contrast Gratings based Spoof Surface Plasmons. Scientific Reports, 2016, 6, 21199.	3.3	22
134	Adaptively generating the multiple-scattering characteristic basis functions. , 2016, , .		0
135	Measurement-Driven Capability Modeling for Mobile Network in Large-Scale Urban Environment. , 2016, , .		7
136	Enhancement of chest radiographs obtained in the intensive care unit through bone suppression and consistent processing. Physics in Medicine and Biology, 2016, 61, 2283-2301.	3.0	19
137	A Tele-Traffic-Aware Optimal Base-Station Deployment Strategy for Energy-Efficient Large-Scale Cellular Networks. IEEE Access, 2016, 4, 2083-2095.	4.2	8
138	Optimal Pilot Design for Pilot Contamination Elimination/Reduction in Large-Scale Multiple-Antenna Aided OFDM Systems. IEEE Transactions on Wireless Communications, 2016, 15, 7229-7243.	9.2	55
139	Location-Aware Channel Estimation Enhanced TDD Based Massive MIMO. IEEE Access, 2016, 4, 7828-7840.	4.2	18
140	Complex-valued B-spline neural network and its application to iterative frequency-domain decision feedback equalization for Hammerstein communication systems. , 2016, , .		4
141	Decomposition Optimization Algorithms for Distributed Radar Systems. IEEE Transactions on Signal Processing, 2016, 64, 6443-6458.	5.3	19
142	Realization of high-efficiency anomalous reflection using phase gradient metasurface at UHF. , 2016, , .		1
143	Statistics local fisher discriminant analysis for industrial process fault classification. , 2016, , .		4
144	Spatial Popularity and Similarity of Watching Videos in a Large City. , 2016, , .		6

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145	Contact duration aware cache refreshing for mobile opportunistic networks. IET Networks, 2016, 5, 93-103.	1.8	3
146	Service-oriented 5G network architecture: an end-to-end software defining approach. International Journal of Communication Systems, 2016, 29, 1645-1657.	2.5	16
147	Endotracheal tubes positioning detection in adult portable chest radiography for intensive care unit. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 2049-2057.	2.8	14
148	Modeling the Impact of Mobility on the Connectivity of Vehicular Networks in Large-Scale Urban Environments. IEEE Transactions on Vehicular Technology, 2016, 65, 2753-2758.	6.3	38
149	Aperture Selection for ACO-OFDM in Free-Space Optical Turbulence Channel. IEEE Transactions on Vehicular Technology, 2016, 65, 6089-6100.	6.3	13
150	Location-Aware Pilot Assignment for Massive MIMO Systems in Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6815-6821.	6.3	31
151	A Fast Adaptive Tunable RBF Network For Nonstationary Systems. IEEE Transactions on Cybernetics, 2016, 46, 2683-2692.	9.5	43
152	A cross-layer design for a software-defined millimeter-wave mobile broadband system. , 2016, 54, 124-130.		19
153	Compressive-Sensing-Based Multiuser Detector for the Large-Scale SM-MIMO Uplink. IEEE Transactions on Vehicular Technology, 2016, 65, 8725-8730.	6.3	44
154	Vehicular Fog Computing: A Viewpoint of Vehicles as the Infrastructures. IEEE Transactions on Vehicular Technology, 2016, 65, 3860-3873.	6.3	745
155	Sparse density estimator with tunable kernels. Neurocomputing, 2016, 173, 1976-1982.	5.9	5
156	Error Bound of the Multilevel Adaptive Cross Approximation (MLACA). IEEE Transactions on Antennas and Propagation, 2016, 64, 374-378.	5.1	3
157	Deep-subwavelength Guiding and Superfocusing of Spoof Surface Plasmon Polaritons on Helically Grooved Metal Wire. Plasmonics, 2016, 11, 359-364.	3.4	7
158	Contact-Aware Data Replication in Roadside Unit Aided Vehicular Delay Tolerant Networks. IEEE Transactions on Mobile Computing, 2016, 15, 306-321.	5.8	51
159	Soft Pilot Reuse and Multicell Block Diagonalization Precoding for Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 3285-3298.	6.3	122
160	Collaborative Localization and Navigation in Heterogeneous UAV swarms. , 2016, , .		4
161	Shuffled iterative receiver for LDPC-coded MIMO systems. , 2015, , .		1
162	Selfishness in device-to-device communication underlying cellular networks. , 2015, , .		7

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163	Direct solution of MoM matrix equation using Sherman-Morrison-Woodbury formula-based algorithm with ACA-SVD. , 2015, , .		4
164	Social-Aware Resource Allocation for Device-to-Device Communications Underlying Cellular Networks. IEEE Wireless Communications Letters, 2015, 4, 293-296.	5.0	44
165	Location-based channel estimation and pilot assignment for massive MIMO systems. , 2015, , .		43
166	Buffer-aided device-to-device communication: opportunities and challenges. , 2015, 53, 67-74.		17
167	Priori-Information Aided Iterative Hard Threshold: A Low-Complexity High-Accuracy Compressive Sensing Based Channel Estimation for TDS-OFDM. IEEE Transactions on Wireless Communications, 2015, 14, 242-251.	9.2	45
168	Cross-Layer Software-Defined 5G Network. Mobile Networks and Applications, 2015, 20, 400-409.	3.3	10
169	Two-Tier Channel Estimation Aided Near-Capacity MIMO Transceivers Relying on Norm-Based Joint Transmit and Receive Antenna Selection. IEEE Transactions on Wireless Communications, 2015, 14, 122-137.	9.2	35
170	Adaptive B-spline neural network based nonlinear equalization for high-order QAM systems with nonlinear transmit high power amplifier. , 2015, 40, 238-249.		13
171	Efficient iterative solution of electromagnetic scattering using adaptive cross approximation enhanced characteristic basis function method. IET Microwaves, Antennas and Propagation, 2015, 9, 217-223.	1.4	9
172	Online soft sensor design using local partial least squares models with adaptive process state partition. Chemometrics and Intelligent Laboratory Systems, 2015, 144, 108-121.	3.5	59
173	Multilevel Fast Adaptive Cross-Approximation Algorithm With Characteristic Basis Functions. IEEE Transactions on Antennas and Propagation, 2015, 63, 3994-4002.	5.1	42
174	Spatially Common Sparsity Based Adaptive Channel Estimation and Feedback for FDD Massive MIMO. IEEE Transactions on Signal Processing, 2015, 63, 6169-6183.	5.3	496
175	Coded MIMO With Asymmetric Constellation Sizes. IEEE Transactions on Vehicular Technology, 2015, 64, 4338-4344.	6.3	0
176	Nonlinear Identification Using Orthogonal Forward Regression With Nested Optimal Regularization. IEEE Transactions on Cybernetics, 2015, 45, 2925-2936.	9.5	16
177	Sparse Density Estimation on the Multinomial Manifold. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2972-2977.	11.3	15
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