

Xinlei Chen

List of Publications by Year in descending order

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367
papers

14,560
citations

30070

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26613

107
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369
all docs

369
docs citations

369
times ranked

14249
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene Oxide~MnO ₂ Nanocomposites for Supercapacitors. ACS Nano, 2010, 4, 2822-2830.	14.6	1,983
2	A Survey of Non-Orthogonal Multiple Access for 5G. IEEE Communications Surveys and Tutorials, 2018, 20, 2294-2323.	39.4	887
3	Vehicular Fog Computing: A Viewpoint of Vehicles as the Infrastructures. IEEE Transactions on Vehicular Technology, 2016, 65, 3860-3873.	6.3	745
4	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
5	Cutinase: Characteristics, preparation, and application. Biotechnology Advances, 2013, 31, 1754-1767.	11.7	245
6	Coherent and Differential Space-Time Shift Keying: A Dispersion Matrix Approach. IEEE Transactions on Communications, 2010, 58, 3219-3230.	7.8	233
7	Dual-Mode Index Modulation Aided OFDM. IEEE Access, 2017, 5, 50-60.	4.2	231
8	Novel Index Modulation Techniques: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 315-348.	39.4	229
9	Sparse Modeling Using Orthogonal Forward Regression With PRESS Statistic and Regularization. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 898-911.	5.0	227
10	Social-aware D2D communications: qualitative insights and quantitative analysis. , 2014, 52, 150-158.		182
11	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
12	RAMOBoost: Ranked Minority Oversampling in Boosting. IEEE Transactions on Neural Networks, 2010, 21, 1624-1642.	4.2	170
13	Shape-Controlled Synthesis of One-Dimensional MnO ₂ via a Facile Quick-Precipitation Procedure and its Electrochemical Properties. Crystal Growth and Design, 2009, 9, 4356-4361.	3.0	167
14	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
15	A Kernel-Based Two-Class Classifier for Imbalanced Data Sets. IEEE Transactions on Neural Networks, 2007, 18, 28-41.	4.2	141
16	Generalized Space-Time Shift Keying Designed for Flexible Diversity-, Multiplexing- and Complexity-Tradeoffs. IEEE Transactions on Wireless Communications, 2011, 10, 1144-1153.	9.2	139
17	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
18	Pilot Contamination Elimination for Large-Scale Multiple-Antenna Aided OFDM Systems. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 759-772.	10.8	122

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19	Soft Pilot Reuse and Multicell Block Diagonalization Precoding for Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 3285-3298.	6.3	122
20	Adaptive minimum-BER linear multiuser detection for DS-CDMA signals in multipath channels. IEEE Transactions on Signal Processing, 2001, 49, 1240-1247.	5.3	120
21	From Graphene to Metal Oxide Nanolamellas: A Phenomenon of Morphology Transmission. ACS Nano, 2010, 4, 6212-6218.	14.6	116
22	A combined SMOTE and PSO based RBF classifier for two-class imbalanced problems. Neurocomputing, 2011, 74, 3456-3466.	5.9	112
23	Towards incremental learning of nonstationary imbalanced data stream: a multiple selectively recursive approach. Evolving Systems, 2011, 2, 35-50.	3.9	112
24	Modified kernel principal component analysis based on local structure analysis and its application to nonlinear process fault diagnosis. Chemometrics and Intelligent Laboratory Systems, 2013, 127, 195-209.	3.5	108
25	Broadband and Broad-angle Polarization-independent Metasurface for Radar Cross Section Reduction. Scientific Reports, 2017, 7, 40782.	3.3	106
26	Support vector machine multiuser receiver for DS-CDMA signals in multipath channels. IEEE Transactions on Neural Networks, 2001, 12, 604-611.	4.2	105
27	A Universal Space-Time Architecture for Multiple-Antenna Aided Systems. IEEE Communications Surveys and Tutorials, 2012, 14, 401-420.	39.4	104
28	Multiple Mobile Data Offloading Through Disruption Tolerant Networks. IEEE Transactions on Mobile Computing, 2014, 13, 1579-1596.	5.8	99
29	A Survey of Opportunistic Offloading. IEEE Communications Surveys and Tutorials, 2018, 20, 2198-2236.	39.4	98
30	Ultra-wideband and broad-angle linear polarization conversion metasurface. Journal of Applied Physics, 2017, 121, 174902.	2.5	96
31	A Comprehensive Survey on Mobility-Aware D2D Communications: Principles, Practice and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1863-1886.	39.4	95
32	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
33	Multiway kernel independent component analysis based on feature samples for batch process monitoring. Neurocomputing, 2009, 72, 1584-1596.	5.9	87
34	Millimetre-Wave Backhaul for 5G Networks: Challenges and Solutions. Sensors, 2016, 16, 892.	3.8	86
35	Digital IIR filter design using particle swarm optimisation. International Journal of Modelling, Identification and Control, 2010, 9, 327.	0.2	81
36	Coherent Versus Non-Coherent Decode-and-Forward Relaying Aided Cooperative Space-Time Shift Keying. IEEE Transactions on Communications, 2011, 59, 1707-1719.	7.8	75

#	ARTICLE	IF	CITATIONS
37	Adaptive Bayesian decision feedback equalizer for dispersive mobile radio channels. IEEE Transactions on Communications, 1995, 43, 1937-1946.	7.8	70
38	One-step synthesis of low defect density carbon nanotube-doped Ni(OH) ₂ nanosheets with improved electrochemical performances. RSC Advances, 2011, 1, 484.	3.6	70
39	Robust maximum likelihood training of heteroscedastic probabilistic neural networks. Neural Networks, 1998, 11, 739-747.	5.9	69
40	Non-linear system identification using particle swarm optimisation tuned radial basis function models. International Journal of Bio-Inspired Computation, 2009, 1, 246.	0.9	68
41	Particle Swarm Optimization Aided Orthogonal Forward Regression for Unified Data Modeling. IEEE Transactions on Evolutionary Computation, 2010, 14, 477-499.	10.0	68
42	A comparative study of two blind FIR equalizers. , 2004, 14, 18-36.		67
43	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
44	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
45	SERA: Selectively recursive approach towards nonstationary imbalanced stream data mining. , 2009, , .		66
46	Self-assembled hydrothermal synthesis for producing a MnCO ₃ /graphene hydrogel composite and its electrochemical properties. RSC Advances, 2013, 3, 4400.	3.6	66
47	Optimal Mobile Content Downloading in Device-to-Device Communication Underlying Cellular Networks. IEEE Transactions on Wireless Communications, 2014, 13, 3596-3608.	9.2	66
48	Closed-Loop Sparse Channel Estimation for Wideband Millimeter-Wave Full-Dimensional MIMO Systems. IEEE Transactions on Communications, 2019, 67, 8329-8345.	7.8	65
49	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
50	Sparse Kernel Density Construction Using Orthogonal Forward Regression With Leave-One-Out Test Score and Local Regularization. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1708-1717.	5.0	58
51	MIMO-Aided Near-Capacity Turbo Transceivers: Taxonomy and Performance versus Complexity. IEEE Communications Surveys and Tutorials, 2012, 14, 421-442.	39.4	58
52	Multiple-Antenna-Aided OFDM Employing Genetic-Algorithm-Assisted Minimum Bit Error Rate Multiuser Detection. IEEE Transactions on Vehicular Technology, 2005, 54, 1713-1721.	6.3	57
53	Experiments With Repeating Weighted Boosting Search for Optimization in Signal Processing Applications. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 682-693.	5.0	56
54	Low-Density Parity-Check Codes and Their Rateless Relatives. IEEE Communications Surveys and Tutorials, 2011, 13, 3-26.	39.4	56

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55	Preamble Design Using Embedded Signaling for OFDM Broadcast Systems Based on Reduced-Complexity Distance Detection. <i>IEEE Transactions on Vehicular Technology</i> , 2011, 60, 1217-1222.	6.3	56
56	Differential Space-Time Shift Keying-Aided Successive-Relaying-Assisted Decode-and-Forward Cooperative Multiuser CDMA. <i>IEEE Transactions on Vehicular Technology</i> , 2013, 62, 2156-2169.	6.3	56
57	A Universal Low-Complexity Symbol-to-Bit Soft Demapper. <i>IEEE Transactions on Vehicular Technology</i> , 2014, 63, 119-130.	6.3	55
58	Optimal Pilot Design for Pilot Contamination Elimination/Reduction in Large-Scale Multiple-Antenna Aided OFDM Systems. <i>IEEE Transactions on Wireless Communications</i> , 2016, 15, 7229-7243.	9.2	55
59	A Two-Level Game Theory Approach for Joint Relay Selection and Resource Allocation in Network Coding Assisted D2D Communications. <i>IEEE Transactions on Mobile Computing</i> , 2017, 16, 2697-2711.	5.8	55
60	Two-Dimensional Nanomesh Arrays as Bifunctional Catalysts for N_2 Electrolysis. <i>ACS Catalysis</i> , 2020, 10, 11371-11379.	11.2	55
61	Histone Deacetylase 3 Couples Mitochondria to Drive IL-1 β -Dependent Inflammation by Configuring Fatty Acid Oxidation. <i>Molecular Cell</i> , 2020, 80, 43-58.e7.	9.7	55
62	Minimum bit-error rate design for space-time equalization-based multiuser detection. <i>IEEE Transactions on Communications</i> , 2006, 54, 824-832.	7.8	54
63	Device-to-Device Communications Enabled Energy Efficient Multicast Scheduling in mmWave Small Cells. <i>IEEE Transactions on Communications</i> , 2018, 66, 1093-1109.	7.8	54
64	Socially Aware Secrecy-Ensured Resource Allocation in D2D Underlay Communication: An Overlapping Coalitional Game Scheme. <i>IEEE Transactions on Wireless Communications</i> , 2018, 17, 4118-4133.	9.2	53
65	A process monitoring method based on noisy independent component analysis. <i>Neurocomputing</i> , 2014, 127, 231-246.	5.9	52
66	Fault discriminant enhanced kernel principal component analysis incorporating prior fault information for monitoring nonlinear processes. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 162, 21-34.	3.5	52
67	An Efficient Predistorter Design for Compensating Nonlinear Memory High Power Amplifiers. <i>IEEE Transactions on Broadcasting</i> , 2011, 57, 856-865.	3.2	51
68	Contact-Aware Data Replication in Roadside Unit Aided Vehicular Delay Tolerant Networks. <i>IEEE Transactions on Mobile Computing</i> , 2016, 15, 306-321.	5.8	51
69	Effective Surface Plasmon Polaritons Induced by Modal Dispersion in a Waveguide. <i>Physical Review Applied</i> , 2017, 7, .	3.8	49
70	Evolutionary-Algorithm-Assisted Joint Channel Estimation and Turbo Multiuser Detection/Decoding for OFDM/SDMA. <i>IEEE Transactions on Vehicular Technology</i> , 2014, 63, 1204-1222.	6.3	48
71	Ultra-Low-Loss High-Contrast Gratings Based Spoof Surface Plasmonic Waveguide. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 2008-2018.	4.6	48
72	Performance Analysis of Layered ACO-OFDM. <i>IEEE Access</i> , 2017, 5, 18366-18381.	4.2	48

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73	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
74	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
75	Sparse support vector regression based on orthogonal forward selection for the generalised kernel model. Neurocomputing, 2006, 70, 462-474.	5.9	46
76	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
77	iLOCuS: Incentivizing Vehicle Mobility to Optimize Sensing Distribution in Crowd Sensing. IEEE Transactions on Mobile Computing, 2019, , 1-1.	5.8	45
78	Turbo Multi-User Detection for OFDM/SDMA Systems Relying on Differential Evolution Aided Iterative Channel Estimation. IEEE Transactions on Communications, 2012, 60, 1621-1633.	7.8	44
79	An adaptive scaling and biasing scheme for OFDM-based visible light communication systems. Optics Express, 2014, 22, 12707.	3.4	44
80	Social-Aware Resource Allocation for Device-to-Device Communications Underlying Cellular Networks. IEEE Wireless Communications Letters, 2015, 4, 293-296.	5.0	44
81	Compressive-Sensing-Based Multiuser Detector for the Large-Scale SM-MIMO Uplink. IEEE Transactions on Vehicular Technology, 2016, 65, 8725-8730.	6.3	44
82	Location-based channel estimation and pilot assignment for massive MIMO systems. , 2015, , .		43
83	A Fast Adaptive Tunable RBF Network For Nonstationary Systems. IEEE Transactions on Cybernetics, 2016, 46, 2683-2692.	9.5	43
84	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
85	Construction of Tunable Radial Basis Function Networks Using Orthogonal Forward Selection. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 457-466.	5.0	42
86	OFDMA/SC-FDMA Aided Space-Time Shift Keying for Dispersive Multiuser Scenarios. IEEE Transactions on Vehicular Technology, 2013, 62, 408-414.	6.3	42
87	Multilevel Fast Adaptive Cross-Approximation Algorithm With Characteristic Basis Functions. IEEE Transactions on Antennas and Propagation, 2015, 63, 3994-4002.	5.1	42
88	Coding or Not: Optimal Mobile Data Offloading in Opportunistic Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 318-333.	8.0	41
89	PDFOS: PDF estimation based over-sampling for imbalanced two-class problems. Neurocomputing, 2014, 138, 248-259.	5.9	40
90	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

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91	A New RBF Neural Network With Boundary Value Constraints. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 298-303.	5.0	39
92	Low-Complexity Iterative Frequency Domain Decision Feedback Equalization. IEEE Transactions on Vehicular Technology, 2011, 60, 1295-1301.	6.3	39
93	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
94	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
95	Semi-Blind Joint Channel Estimation and Data Detection for Space-Time Shift Keying Systems. IEEE Signal Processing Letters, 2010, 17, 993-996.	3.6	36
96	Joint Channel Estimation and Multiuser Detection for SDMA/OFDM Based on Dual Repeated Weighted Boosting Search. IEEE Transactions on Vehicular Technology, 2011, 60, 3265-3275.	6.3	36
97	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
98	Adaptive minimum error-rate filtering design: A review. Signal Processing, 2008, 88, 1671-1697.	3.7	35
99	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
100	Symmetric RBF Classifier for Nonlinear Detection in Multiple-Antenna-Aided Systems. IEEE Transactions on Neural Networks, 2008, 19, 737-745.	4.2	34
101	Unified MIMO-Multicarrier Designs: A Space-Time Shift Keying Approach. IEEE Communications Surveys and Tutorials, 2015, 17, 550-579.	39.4	34
102	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
103	Deep Learning Assisted Calibrated Beam Training for Millimeter-Wave Communication Systems. IEEE Transactions on Communications, 2021, 69, 6706-6721.	7.8	34
104	Modeling of Complex-Valued Wiener Systems Using B-Spline Neural Network. IEEE Transactions on Neural Networks, 2011, 22, 818-825.	4.2	33
105	The system identification and control of Hammerstein system using non-uniform rational B-spline neural network and particle swarm optimization. Neurocomputing, 2012, 82, 216-223.	5.9	33
106	Collaborative Vehicular Content Dissemination with Directional Antennas. IEEE Transactions on Wireless Communications, 2012, 11, 1301-1306.	9.2	32
107	Wireless Positioning Using TDS-OFDM Signals in Single-Frequency Networks. IEEE Transactions on Broadcasting, 2012, 58, 236-246.	3.2	32
108	Exponential and Power Law Distribution of Contact Duration in Urban Vehicular Ad Hoc Networks. IEEE Signal Processing Letters, 2013, 20, 110-113.	3.6	32

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109	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
110	Terrain prediction for an eight-legged robot. Journal of Field Robotics, 2002, 19, 91-98.	0.7	31
111	Construction of Regular Quasi-Cyclic Protograph LDPC Codes Based on Vandermonde Matrices. IEEE Transactions on Vehicular Technology, 2008, 57, 2583-2588.	6.3	31
112	Symmetric Complex-Valued RBF Receiver for Multiple-Antenna-Aided Wireless Systems. IEEE Transactions on Neural Networks, 2008, 19, 1659-1665.	4.2	31
113	A Novel Uplink Multiple Access Scheme Based on TDS-FDMA. IEEE Transactions on Wireless Communications, 2011, 10, 757-761.	9.2	31
114	Location-Aware Pilot Assignment for Massive MIMO Systems in Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6815-6821.	6.3	31
115	Adaptive Soft Sensor Development for Multi-Output Industrial Processes Based on Selective Ensemble Learning. IEEE Access, 2018, 6, 55628-55642.	4.2	31
116	Limits of Predictability for Large-Scale Urban Vehicular Mobility. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2671-2682.	8.0	29
117	Complex-Valued B-Spline Neural Networks for Modeling and Inverting Hammerstein Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1673-1685.	11.3	29
118	CAP. , 2019, 3, 1-25.		29
119	Two-Dimensional Precoding for 3-D Massive MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 5485-5490.	6.3	28
120	Secure Communications for Dual-Polarized MIMO Systems. IEEE Transactions on Signal Processing, 2017, 65, 4177-4192.	5.3	27
121	Hardware-Efficient Hybrid Precoding for Millimeter Wave Systems With Multi-Feed Reflectarrays. IEEE Access, 2018, 6, 6795-6806.	4.2	27
122	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
123	Matrix-Monotonic Optimization -- Part I: Single-Variable Optimization. IEEE Transactions on Signal Processing, 2021, 69, 738-754.	5.3	27
124	Predicting terrain contours using a feed-forward neural network. Engineering Applications of Artificial Intelligence, 2003, 16, 465-472.	8.1	26
125	Stability of Networked Control Systems With Polytopic Uncertainty and Buffer Constraint. IEEE Transactions on Automatic Control, 2010, 55, 1202-1208.	5.7	26
126	Social Trust Aided D2D Communications: Performance Bound and Implementation Mechanism. IEEE Journal on Selected Areas in Communications, 2018, 36, 1593-1608.	14.0	26

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127	Understanding Urban Dynamics From Massive Mobile Traffic Data. IEEE Transactions on Big Data, 2019, 5, 266-278.	6.1	26
128	Identification of nonlinear systems using generalized kernel models. IEEE Transactions on Control Systems Technology, 2005, 13, 401-411.	5.2	25
129	Fast Adaptive Gradient RBF Networks For Online Learning of Nonstationary Time Series. IEEE Transactions on Signal Processing, 2020, 68, 2015-2030.	5.3	25
130	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
131	Optimal finite-precision state-estimate feedback controller realizations of discrete-time systems. IEEE Transactions on Automatic Control, 2000, 45, 1550-1554.	5.7	24
132	A Forward-Constrained Regression Algorithm for Sparse Kernel Density Estimation. IEEE Transactions on Neural Networks, 2008, 19, 193-198.	4.2	24
133	H-DrunkWalk. ACM Transactions on Sensor Networks, 2020, 16, 1-27.	3.6	24
134	MuSeRA: Multiple Selectively Recursive Approach towards imbalanced stream data mining. , 2010, , .		23
135	Generalized MBER-Based Vector Precoding Design for Multiuser Transmission. IEEE Transactions on Vehicular Technology, 2011, 60, 739-745.	6.3	23
136	Reduced-Complexity Near-Capacity Joint Channel Estimation and Three-Stage Turbo Detection for Coherent Space-Time Shift Keying. IEEE Transactions on Communications, 2013, 61, 1902-1913.	7.8	23
137	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
138	Sensing Mechanism of a Rotary Magnetic Encoder Based on Time Grating. IEEE Sensors Journal, 2018, 18, 3677-3683.	4.7	23
139	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
140	Noise-resistant joint diagonalization independent component analysis based process fault detection. Neurocomputing, 2015, 149, 652-666.	5.9	22
141	High-Contrast Gratings based Spoof Surface Plasmons. Scientific Reports, 2016, 6, 21199.	3.3	22
142	Facile Fabrication of Nanoparticles Confined in Graphene Films and Their Electrochemical Properties. Chemistry - A European Journal, 2013, 19, 7631-7636.	3.3	21
143	Structured Non-Uniformly Spaced Rectangular Antenna Array Design for FD-MIMO Systems. IEEE Transactions on Wireless Communications, 2017, 16, 3252-3266.	9.2	21
144	Multi-Class Coded Layered Asymmetrically Clipped Optical OFDM. IEEE Transactions on Communications, 2019, 67, 578-589.	7.8	21

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145	Gaussian Dynamic Convolution for Efficient Single-Image Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2937-2948.	8.3	21
146	Fractionally spaced blind equalization with low-complexity concurrent constant modulus algorithm and soft decision-directed scheme. International Journal of Adaptive Control and Signal Processing, 2005, 19, 471-484.	4.1	20
147	Digital Predistorter Design Using B-Spline Neural Network and Inverse of De Boor Algorithm. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1584-1594.	5.4	20
148	Mobility-Aware Transmission Scheduling Scheme for Millimeter-Wave Cells. IEEE Transactions on Wireless Communications, 2018, 17, 5991-6004.	9.2	20
149	Majorization-Minimization Aided Hybrid Transceivers for MIMO Interference Channels. IEEE Transactions on Signal Processing, 2020, 68, 4903-4918.	5.3	20
150	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
151	Orthogonal Forward Selection for Constructing the Radial Basis Function Network with Tunable Nodes. Lecture Notes in Computer Science, 2005, , 777-786.	1.3	20
152	Locally regularised orthogonal least squares algorithm for the construction of sparse kernel regression models. , 0, , .		19
153	Constant modulus algorithm aided soft decision directed scheme for blind space-time equalisation of SIMO channels. Signal Processing, 2007, 87, 2587-2599.	3.7	19
154	Reduced-Rank Adaptive Least Bit-Error-Rate Detection in Hybrid Direct-Sequence Time-Hopping Ultrawide Bandwidth Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 849-857.	6.3	19
155	Channel Modeling of UWB-Based Wireless Body Area Networks. , 2011, , .		19
156	Nonlinear Equalization of Hammerstein OFDM Systems. IEEE Transactions on Signal Processing, 2014, 62, 5629-5639.	5.3	19
157	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
158	Decomposition Optimization Algorithms for Distributed Radar Systems. IEEE Transactions on Signal Processing, 2016, 64, 6443-6458.	5.3	19
159	A cross-layer design for a software-defined millimeter-wave mobile broadband system. , 2016, 54, 124-130.		19
160	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
161	An Optimized-Hierarchy-Aided Approximate Log-MAP Detector for MIMO Systems. IEEE Transactions on Wireless Communications, 2007, 6, 1900-1909.	9.2	18
162	Enhancing the decoding performance of optical wireless communication systems using receiver-side predistortion. Optics Express, 2013, 21, 30295.	3.4	18

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163	Location-Aware Channel Estimation Enhanced TDD Based Massive MIMO. IEEE Access, 2016, 4, 7828-7840.	4.2	18
164	ASC. , 2019, , .		18
165	Mobility Support for Millimeter Wave Communications: Opportunities and Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 1816-1842.	39.4	18
166	Buffer-aided device-to-device communication: opportunities and challenges. , 2015, 53, 67-74.		17
167	A Unified MIMO Architecture Subsuming Space Shift Keying, OSTBC, BLAST and LDC. , 2010, , .		16
168	Offset-free multistep nonlinear model predictive control under plant model mismatch. International Journal of Adaptive Control and Signal Processing, 2014, 28, 444-463.	4.1	16
169	Nonlinear Identification Using Orthogonal Forward Regression With Nested Optimal Regularization. IEEE Transactions on Cybernetics, 2015, 45, 2925-2936.	9.5	16
170	Service-oriented 5G network architecture: an end-to-end software defining approach. International Journal of Communication Systems, 2016, 29, 1645-1657.	2.5	16
171	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
172	QoE-Aware wireless video communications for emotion-aware intelligent systems: A multi-layered collaboration approach. Information Fusion, 2019, 47, 1-9.	19.1	16
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