

Jinkuan Wang

List of Publications by Year in descending order

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149
papers

661
citations

840585

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149
all docs

149
docs citations

149
times ranked

597
citing authors

#	ARTICLE	IF	CITATIONS
1	Electricity Theft Detection in Power Grids with Deep Learning and Random Forests. Journal of Electrical and Computer Engineering, 2019, 2019, 1-12.	0.6	113
2	Robust and opportunistic scheduling of district integrated natural gas and power system with high wind power penetration considering demand flexibility and compressed air energy storage. Journal of Cleaner Production, 2020, 256, 120456.	4.6	40
3	Two-stage energy generation schedule market rolling optimisation of highly wind power penetrated microgrids. International Journal of Electrical Power and Energy Systems, 2019, 112, 12-27.	3.3	32
4	Multi-Agent Reinforcement Learning Approach for Residential Microgrid Energy Scheduling. Energies, 2020, 13, 123.	1.6	32
5	Analysis and Design of Channel Estimation in Multicell Multiuser MIMO OFDM Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 610-620.	3.9	30
6	Decarbonization Scheduling Strategy Optimization for Electricity-Gas System Considering Electric Vehicles and Refined Operation Model of Power-to-Gas. IEEE Access, 2021, 9, 5716-5733.	2.6	25
7	Day-ahead scheduling strategy for integrated heating and power system with high wind power penetration and integrated demand response: A hybrid stochastic/interval approach. Energy, 2022, 253, 124189.	4.5	20
8	Resident Plug-In Electric Vehicle Charging Modeling and Scheduling Mechanism in the Smart Grid. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	15
9	Cognitive radio networks for smart grid communications. , 2013, , .		13
10	Hierarchical Agent-Based Integrated Modelling Approach for Microgrids with Adoption of EVs and HRES. Journal of Applied Mathematics, 2014, 2014, 1-10.	0.4	12
11	Posture recognition algorithm for the elderly based on BP neural networks. , 2015, , .		12
12	Background subtraction based on modified online robust principal component analysis. International Journal of Machine Learning and Cybernetics, 2017, 8, 1839-1852.	2.3	12
13	Connectivity Verification in Distribution Systems Using Smart Meter Voltage Analytics: A Cloud-Edge Collaboration Approach. IEEE Transactions on Industrial Informatics, 2021, 17, 3929-3939.	7.2	12
14	Collaborative Signal Processing Cluster-Based in Wireless Sensor Network. , 2008, , .		11
15	Novel WSN-based residential energy management scheme in smart grid. , 2012, , .		11
16	A Traffic Prediction Based Bandwidth Management Algorithm of a Future Internet Architecture. , 2010, , .		9
17	Bandwidth Allocation in Virtual Network Based on Traffic Prediction. , 2010, , .		9
18	Robust adaptive beamforming algorithm based on neural network. , 2008, , .		8

#	ARTICLE	IF	CITATIONS
19	Data transmission optimization algorithm for network utility maximization in wireless sensor networks. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 155014771667064.	1.3	8
20	Bandwidth Guaranteed Multi-Path Routing as a Service over a Virtual Network. , 2008, , .		7
21	Cognitive information communication network for smart grid. , 2012, , .		7
22	An Online Hybrid Model for Temperature Prediction of Wind Turbine Gearbox Components. <i>Energies</i> , 2019, 12, 3920.	1.6	7
23	Multi-Objective Optimization of Rolling Schedule for Five-Stand Tandem Cold Mill. <i>IEEE Access</i> , 2020, 8, 80417-80426.	2.6	7
24	Target tracking using WSN based on multiagent coordination method. , 2008, , .		6
25	Stability-enhanced routing for mobile ad hoc networks. , 2010, , .		6
26	Unitary-ESPRIT Algorithm for Carrier Frequency Offset Estimation for Interleaved OFDMA Uplink Systems. <i>Wireless Personal Communications</i> , 2013, 69, 1615-1627.	1.8	6
27	Waveform design for cognitive radar based on information theory. , 2014, , .		6
28	An Optimized Replica Distribution Method in Cloud Storage System. <i>Journal of Control Science and Engineering</i> , 2017, 2017, 1-8.	0.8	6
29	A Novel Optimization of Plug-In Electric Vehicles Charging and Discharging Behaviors in Electrical Distribution Grid. <i>Journal of Electrical and Computer Engineering</i> , 2018, 2018, 1-9.	0.6	6
30	Wavelet packets-based direction-of-arrival estimation. , 0, , .		5
31	ADP-Based Optimal Adaptive Waveform Selection in Cognitive Radar. , 2008, , .		5
32	Cognitive radio based communication network architecture for smart grid. , 2012, , .		5
33	Background Subtraction Based on Three-Dimensional Discrete Wavelet Transform. <i>Sensors</i> , 2016, 16, 456.	2.1	5
34	Spatiotemporal compression transmission strategies for energy harvesting wireless sensor networks. <i>IET Communications</i> , 2019, 13, 630-636.	1.5	5
35	DDPG-based continuous thickness and tension coupling control for the unsteady cold rolling process. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 7277-7292.	1.5	5
36	An OTST-ESPRIT algorithm for joint DOA-delay estimation. , 0, , .		4

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37	Dual-modal indoor mobile localization system based on prediction algorithm. , 2009, , .		4
38	Peak-to-Average Power Ratio Reduction Based on Cyclic Iteration Partial Transmit Sequence. , 2009, , .		4
39	Minimizing PAPR of OFDM signals using suboptimal partial transmit sequences. , 2012, , .		4
40	An Efficient Cross-Layer Optimization Algorithm for Data Transmission in Wireless Sensor Networks. International Journal of Wireless Information Networks, 2017, 24, 462-469.	1.8	4
41	An Abnormal Data Processing Method Based on An Ensemble Algorithm for Early Warning of Wind Turbine Failure. IEEE Access, 2021, 9, 69044-69060.	2.6	4
42	A novel improved MUSIC algorithm by wavelet denoising in spatially correlated noises. , 0, , .		3
43	Application of Wavelet Array Denoising to ESPRIT Algorithm. , 2005, , .		3
44	Joint Estimation of the Central Direction of Arrival and Angular Spread for Distributed Source Based on Beamspace Propagator. , 2006, , .		3
45	A Low Complexity Robust Parameter Estimator for Distributed Source. , 2006, , .		3
46	Adaptive MIMO Successive Interference Cancellation Decision Feedback Equalization RLS algorithm for V-BLAST. , 2007, , .		3
47	A Novel Single-Hop Delay Probe Algorithm in Multi-Homed Host. , 2008, , .		3
48	A Crosslayer Concurrent Multipath Random Forward Algorithm. , 2008, , .		3
49	An Energy-Efficiency Coverage-Preserving Node Scheduling Scheme in Wireless Sensor Networks. , 2009, , .		3
50	Optimal Adaptive Waveform Selection Based on ADP in Cognitive Radar. , 2009, , .		3
51	Pilot-Based Angle-Domain Channel Estimation for MIMO-OFDM Systems. , 2009, , .		3
52	A Novel Coordinative Resident Electric Vehicle Charging Mechanism. , 2012, , .		3
53	Stability-Based RREQ Forwarding Game for Stability-Oriented Route Discovery in MANETs. Wireless Personal Communications, 2013, 68, 1689-1705.	1.8	3
54	A Delay/Disruption Tolerant Routing Algorithm for IOT in Harsh Environment. , 2013, , .		3

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55	Optimal Waveform Selection for Robust Target Tracking. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.4	3
56	Posture recognition for the elderly based on wireless sensor networks. , 2014, , .		3
57	Video-based noncontact heart rate measurement using ear features. , 2015, , .		3
58	A MBCRF Algorithm Based on Ensemble Learning for Building Demand Response Considering the Thermal Comfort. Energies, 2018, 11, 3495.	1.6	3
59	Smart Meter Data Analytics for Distribution Network. , 2018, , .		3
60	Generalized Modeling and Coordinated Management of Energy Hub Incorporating Wind Power and Demand Response. , 2019, , .		3
61	Risk-Averse Multiobjective Optimization for Integrated Electricity and Heating System: An Augment Epsilon-Constraint Approach. IEEE Systems Journal, 2022, 16, 5142-5153.	2.9	3
62	Abnormality monitoring and causality analysis based on KF-PDC and IACE in blast furnace ironmaking process. Ironmaking and Steelmaking, 2022, 49, 634-645.	1.1	3
63	Direction of arrival estimation of coherently distributed sources based on unitary ESPRIT in MIMO channel models. , 0, , .		2
64	Non-Mapping Back SB-ESPRIT for Coherent Signals. , 0, , .		2
65	Neural Network-Based Robust Adaptive Beamforming. , 2006, , .		2
66	A Recursive Algorithm to Robust Adaptive Beamforming and Diagonal Loading. , 2006, , .		2
67	Semi-Blind Multiuser Detection Based on Subspace Constrained LMS for MC-CDMA Uplink. , 2006, , .		2
68	A Low Complexity PAPR Reduction Technique for STBC MIMO-OFDM System. , 2007, , .		2
69	Antenna Selection for Spatial Multiplexing Systems Based on Complex Householder QR Factorization. , 2007, , .		2
70	Effective antenna selection in MIMO systems under spatial correlated fading. , 2008, , .		2
71	An Improved QRD-M Detection Algorithm for MIMO Communication System. , 2009, , .		2
72	Dissolved Oxygen Monitoring and Control System based on the CDMA platform. , 2010, , .		2

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73	Sorted QR Decomposition Based Tree Search Detection Algorithm for MIMO System. , 2012, , .		2
74	Optimal waveform design considering target impulse response prediction. , 2014, , .		2
75	Efficient Cross-Layer Optimization Algorithm for Data Transmission in Wireless Sensor Networks. Journal of Electrical and Computer Engineering, 2015, 2015, 1-6.	0.6	2
76	Fast Fuzzy Clustering Algorithm for Time Series in Industrial Processes. , 2019, , .		2
77	Robust constrained-LMS adaptive beamforming algorithm. , 0, , .		1
78	Robust recursive least squares adaptive beamforming algorithm. , 0, , .		1
79	A neural minor component analysis algorithm for robust beamforming. , 0, , .		1
80	Reduced Wavelet Packet and Its Application to Beamspace ESPRIT Algorithm in Correlated Signals. , 0, , .		1
81	A Semi-Blind Multiuser Detection Based on Chebyshev Approximation and Subspace Tracking for MC-CDMA Uplink. , 2006, , .		1
82	Unitary Solution to Coherent Cyclic DOA Estimation Problem. , 2006, , .		1
83	A Subspace Semi-Blind Adaptive Multiuser Detection Algorithm Based on Kalman Filter for MC-CDMA Uplink. , 2006, , .		1
84	A novel diversity-multiplexing switched MIMO systems in rayleigh fading channels. , 2008, , .		1
85	Reducing the Peak to Average Power Ratio of OFDM System using Particle Swarm Optimization. , 2008, , .		1
86	Time Allocation in Cognitive Radar for Multiple Target Detection. , 2009, , .		1
87	An Improved Algorithm for Waveform Scheduling. , 2009, , .		1
88	Joint maximum likelihood and QRD-M detection algorithm for MIMO system. , 2009, , .		1
89	Research on the LN2 auto-filling system for dewar vessel based on Bang-Bang + PID control. , 2010, , .		1
90	A dynamic traffic adjustment approach to optimizing performance in multipath network serving heterogeneous flows. , 2010, , .		1

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91	Bandwidth allocation in virtual network based on traffic prediction. , 2010, , .		1
92	Time allocation in cognitive radar for multitarget detection with dynamic programming. , 2010, , .		1
93	A novel forwarding algorithm over multipath network. , 2010, , .		1
94	Improved EM-Based H-Infinity Channel Estimator for MIMO-OFDM Systems. , 2011, , .		1
95	Network Traffic Prediction by Traffic Decomposition. , 2012, , .		1
96	Joint Use of H-inf Criterion in Channel Estimation and Precoding to Mitigate Pilot Contamination in Massive MIMO Systems. , 2015, , .		1
97	Agent-based modeling and simulation for the coordinated pricing strategy of the electric vehicle battery switching station. , 2015, , .		1
98	Multi-objective security-constrained unit commitment model considering wind power and EVs. , 2016, , .		1
99	A multi-objective optimization strategy for combined heat and power systems of the energy internet. , 2017, , .		1
100	Multidimensional data learning-based caching strategy in information-centric networks. , 2017, , .		1
101	Linear Discriminative Sparsity Preserving Projections for Dimensionality Reduction. , 2018, , .		1
102	An Improved Neighborhood-Based Recommendation Algorithm Optimization with Clustering Analysis and Latent Factor Model. , 2019, , .		1
103	Bilateral Two-Dimensional Matrix Regression Preserving Discriminant Embedding for Corrupted Image Recognition. IEEE Access, 2019, 7, 13803-13816.	2.6	1
104	A Method of Bad Data Identification Based on Improved GSA Algorithm. , 2019, , .		1
105	An OS-esprit algorithm for estimation DOA in wireless communications. , 0, , .		0
106	Direction of Arrival Estimation Based on Distributed Sources Model in MIMO Channel Environment. , 0, , .		0
107	On A Real-valued EVD Approach to Cyclic DOA Estimation. , 0, , .		0
108	Unitary Cyclic ESPRIT-like Direction Finding. , 0, , .		0

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109	Robust capon beamforming in the presence of mismatches. , 0, , .		0
110	Improving the performance of cyclic ESPRIT via real-valued decomposition. , 0, , .		0
111	On Hermitian Mapping for Direction-of-Arrival Estimation of Coherent Cyclostationary Signals. , 2005, , .		0
112	Robust Adaptive Beamforming Using a Bayesian Approach. , 2006, , .		0
113	Neural Network-Based Robust Adaptive Beamforming. , 0, , .		0
114	Semi-Blind Adaptive Multiuser Detection Based on Subspace Constrained Chebyshev Approximation. , 2006, , .		0
115	Fast Square-Root Detection Algorithm for V-BLAST. , 2007, , .		0
116	Robust adaptive beamforming algorithm based on Bayesian approach. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2008, 3, 435-439.	0.6	0
117	A Low Complexity Near Optimal Diversity-Multiplexing Switched MIMO Systems Based on Variable-Rate MQAM. , 2008, , .		0
118	A Multipath Forwarding Algorithm Based-On Predictive Path Loss Rate for Real-Time Application. , 2008, , .		0
119	Efficient transmit and receive optimization design for multiuser spatial multiplexing systems. , 2008, , .		0
120	Decomposed selected mapping for peak-to-average power ratio reduction in MIMO-OFDM systems. , 2008, , .		0
121	Parallel interference cancellation MIMO decision feedback equalization based on recursive least square algorithm. , 2008, , .		0
122	Near optimal scheme for diversity-multiplexing switched MIMO systems. , 2008, , .		0
123	Topology Control Algorithm Target Tracking-Oriented. , 2009, , .		0
124	EM-based angle-domain channel estimation for MIMO-OFDM systems. , 2009, , .		0
125	Improved MAP channel estimation algorithm for MIMO-OFDM systems under angle domain. , 2009, , .		0
126	Dynamic adjustment based traffic allocation algorithm over multipath network. , 2009, , .		0

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127	A Forwarding Migration Algorithm for Multipath Transmission. , 2009, , .		0
128	Flatness prediction model based on wavelet transform. , 2010, , .		0
129	Suboptimal partial transmit sequence algorithm to reduce the PAPR in OFDM systems. , 2010, , .		0
130	A Novel Multipath Video-on-demand Transmission Algorithm. , 2010, , .		0
131	PAPR reduction with harmony annealing research for OFDM systems. , 2011, , .		0
132	A double-slot based Delay/Disruption Tolerant routing algorithm for IOT. , 2012, , .		0
133	Joint Optimization for Cooperative Spectrum Sensing in Cognitive Radio Networks. , 2012, , .		0
134	Improved multistage chase detection algorithm for MIMO wireless communication system. , 2012, , .		0
135	Efficient PAPR reduction scheme with low computational complexity for OFDM signals. , 2012, , .		0
136	Agent-based modeling and simulation on the electric vehicle battery conditions and secondary service capacity in the battery switching station. , 2014, , .		0
137	Modeling and simulation on the wind turbine maintenance strategy based on the multi-agent approach. , 2014, , .		0
138	Data collection scheme of mobile sink in wireless sensor and actor networks. , 2014, , .		0
139	Geometric-process-based battery management modeling and optimization in the electric vehicle battery switching station. , 2015, , .		0
140	Utility optimization strategy of resource scheduling in cloud computing. , 2016, , .		0
141	Improved discriminative sparsity preserving projections for image recognition. , 2016, , .		0
142	Dimensionality Reduction Using Sparse Locality Preserving Projections and Its Application in Face Recognition. , 2018, , .		0
143	A Tripartite Graph Recommendation Algorithm Based on Item Information and User Preference. , 2019, , .		0
144	Pattern Matching Strategy Based on Optimized Fuzzy Clustering Algorithm for Industrial Internet. , 2019, , .		0

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145	Edge-cloud collaborative architecture based multi-time scales rolling optimization of regional integrated electrical and natural gas energy system considering wind power uncertainty. IET Generation, Transmission and Distribution, 2021, 15, 2684-2709.	1.4	0
146	Improved Detection Algorithm for Multiple-Input Multiple-Output Wireless Communication Systems. Journal of Computational and Theoretical Nanoscience, 2016, 13, 6240-6244.	0.4	0
147	94 GHz Three-Dimensional Imaging Radar for Environmental Detection. , 2019, , .		0
148	The Optimal Control of Grid-connected and Isolated Microgrid Using Genetic Operators Based Bat Algorithm. , 2020, , .		0
149	Robust Optimal Operation of Multiple Energy Systems with High Wind Power Penetration Considering Thermal Inertia of District Heating Network and Carbon Emissions. , 2021, , .		0