

Jinkuan Wang

List of Publications by Year in descending order

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149
papers

661
citations

840585

11
h-index

752573

20
g-index

149
all docs

149
docs citations

149
times ranked

597
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk-Averse Multiobjective Optimization for Integrated Electricity and Heating System: An Augment Epsilon-Constraint Approach. <i>IEEE Systems Journal</i> , 2022, 16, 5142-5153.	2.9	3
2	Abnormality monitoring and causality analysis based on KF-PDC and IACE in blast furnace ironmaking process. <i>Ironmaking and Steelmaking</i> , 2022, 49, 634-645.	1.1	3
3	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
4	Day-ahead scheduling strategy for integrated heating and power system with high wind power penetration and integrated demand response: A hybrid stochastic/interval approach. <i>Energy</i> , 2022, 253, 124189.	4.5	20
5	An Abnormal Data Processing Method Based on An Ensemble Algorithm for Early Warning of Wind Turbine Failure. <i>IEEE Access</i> , 2021, 9, 69044-69060.	2.6	4
6	Decarbonization Scheduling Strategy Optimization for Electricity-Gas System Considering Electric Vehicles and Refined Operation Model of Power-to-Gas. <i>IEEE Access</i> , 2021, 9, 5716-5733.	2.6	25
7	Edge-cloud collaborative architecture based multi-time scales rolling optimization of regional integrated electrical and natural gas energy system considering wind power uncertainty. <i>IET Generation, Transmission and Distribution</i> , 2021, 15, 2684-2709.	1.4	0
8	Connectivity Verification in Distribution Systems Using Smart Meter Voltage Analytics: A Cloud-Edge Collaboration Approach. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 3929-3939.	7.2	12
9	Robust Optimal Operation of Multiple Energy Systems with High Wind Power Penetration Considering Thermal Inertia of District Heating Network and Carbon Emissions. , 2021, , .		0
10	Multi-Objective Optimization of Rolling Schedule for Five-Stand Tandem Cold Mill. <i>IEEE Access</i> , 2020, 8, 80417-80426.	2.6	7
11	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. <i>Journal of Cleaner Production</i> , 2020, 256, 120456.	4.6	40
12	Multi-Agent Reinforcement Learning Approach for Residential Microgrid Energy Scheduling. <i>Energies</i> , 2020, 13, 123.	1.6	32
13	The Optimal Control of Grid-connected and Isolated Microgrid Using Genetic Operators Based Bat Algorithm. , 2020, , .		0
14	An Improved Neighborhood-Based Recommendation Algorithm Optimization with Clustering Analysis and Latent Factor Model. , 2019, , .		1
15	Electricity Theft Detection in Power Grids with Deep Learning and Random Forests. <i>Journal of Electrical and Computer Engineering</i> , 2019, 2019, 1-12.	0.6	113
16	Bilateral Two-Dimensional Matrix Regression Preserving Discriminant Embedding for Corrupted Image Recognition. <i>IEEE Access</i> , 2019, 7, 13803-13816.	2.6	1
17	Two-stage energy generation schedule market rolling optimisation of highly wind power penetrated microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 112, 12-27.	3.3	32
18	A Tripartite Graph Recommendation Algorithm Based on Item Information and User Preference. , 2019, , .		0

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19	An Online Hybrid Model for Temperature Prediction of Wind Turbine Gearbox Components. Energies, 2019, 12, 3920.	1.6	7
20	Fast Fuzzy Clustering Algorithm for Time Series in Industrial Processes. , 2019, , .		2
21	Pattern Matching Strategy Based on Optimized Fuzzy Clustering Algorithm for Industrial Internet. , 2019, , .		0
22	A Method of Bad Data Identification Based on Improved GSA Algorithm. , 2019, , .		1
23	Generalized Modeling and Coordinated Management of Energy Hub Incorporating Wind Power and Demand Response. , 2019, , .		3
24	Spatiotemporal compression transmission strategies for energy harvesting wireless sensor networks. IET Communications, 2019, 13, 630-636.	1.5	5
25	94 GHz Three-Dimensional Imaging Radar for Environmental Detection. , 2019, , .		0
26	Linear Discriminative Sparsity Preserving Projections for Dimensionality Reduction. , 2018, , .		1
27	A MBCRF Algorithm Based on Ensemble Learning for Building Demand Response Considering the Thermal Comfort. Energies, 2018, 11, 3495.	1.6	3
28	Dimensionality Reduction Using Sparse Locality Preserving Projections and Its Application in Face Recognition. , 2018, , .		0
29	Smart Meter Data Analytics for Distribution Network. , 2018, , .		3
30	A Novel Optimization of Plug-In Electric Vehicles Charging and Discharging Behaviors in Electrical Distribution Grid. Journal of Electrical and Computer Engineering, 2018, 2018, 1-9.	0.6	6
31	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
32	A multi-objective optimization strategy for combined heat and power systems of the energy internet. , 2017, , .		1
33	Multidimensional data learning-based caching strategy in information-centric networks. , 2017, , .		1
34	Background subtraction based on modified online robust principal component analysis. International Journal of Machine Learning and Cybernetics, 2017, 8, 1839-1852.	2.3	12
35	An Optimized Replica Distribution Method in Cloud Storage System. Journal of Control Science and Engineering, 2017, 2017, 1-8.	0.8	6
36	Background Subtraction Based on Three-Dimensional Discrete Wavelet Transform. Sensors, 2016, 16, 456.	2.1	5

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37	Utility optimization strategy of resource scheduling in cloud computing. , 2016, , .		0
38	Multi-objective security-constrained unit commitment model considering wind power and EVs. , 2016, , .		1
39	Improved discriminative sparsity preserving projections for image recognition. , 2016, , .		0
40	Data transmission optimization algorithm for network utility maximization in wireless sensor networks. International Journal of Distributed Sensor Networks, 2016, 12, 155014771667064.	1.3	8
41	Improved Detection Algorithm for Multiple-Input Multiple-Output Wireless Communication Systems. Journal of Computational and Theoretical Nanoscience, 2016, 13, 6240-6244.	0.4	0
42	Joint Use of H-inf Criterion in Channel Estimation and Precoding to Mitigate Pilot Contamination in Massive MIMO Systems. , 2015, , .		1
43	Video-based noncontact heart rate measurement using ear features. , 2015, , .		3
44	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
45	Geometric-process-based battery management modeling and optimization in the electric vehicle battery switching station. , 2015, , .		0
46	Agent-based modeling and simulation for the coordinated pricing strategy of the electric vehicle battery switching station. , 2015, , .		1
47	Posture recognition algorithm for the elderly based on BP neural networks. , 2015, , .		12
48	Analysis and Design of Channel Estimation in Multicell Multiuser MIMO OFDM Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 610-620.	3.9	30
49	Waveform design for cognitive radar based on information theory. , 2014, , .		6
50	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
51	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
52	Agent-based modeling and simulation on the electric vehicle battery conditions and secondary service capacity in the battery switching station. , 2014, , .		0
53	Modeling and simulation on the wind turbine maintenance strategy based on the multi-agent approach. , 2014, , .		0
54	Optimal waveform design considering target impulse response prediction. , 2014, , .		2

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55	Posture recognition for the elderly based on wireless sensor networks. , 2014, , .		3
56	Data collection scheme of mobile sink in wireless sensor and actor networks. , 2014, , .		0
57	Unitary-ESPRIT Algorithm for Carrier Frequency Offset Estimation for Interleaved OFDMA Uplink Systems. Wireless Personal Communications, 2013, 69, 1615-1627.	1.8	6
58	Stability-Based RREQ Forwarding Game for Stability-Oriented Route Discovery in MANETs. Wireless Personal Communications, 2013, 68, 1689-1705.	1.8	3
59	Cognitive radio networks for smart grid communications. , 2013, , .		13
60	A Delay/Disruption Tolerant Routing Algorithm for IOT in Harsh Environment. , 2013, , .		3
61	Optimal Waveform Selection for Robust Target Tracking. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.4	3
62	A double-slot based Delay/Disruption Tolerant routing algorithm for IOT. , 2012, , .		0
63	Joint Optimization for Cooperative Spectrum Sensing in Cognitive Radio Networks. , 2012, , .		0
64	Cognitive information communication network for smart grid. , 2012, , .		7
65	Improved multistage chase detection algorithm for MIMO wireless communication system. , 2012, , .		0
66	Minimizing PAPR of OFDM signals using suboptimal partial transmit sequences. , 2012, , .		4
67	Efficient PAPR reduction scheme with low computational complexity for OFDM signals. , 2012, , .		0
68	Network Traffic Prediction by Traffic Decomposition. , 2012, , .		1
69	Cognitive radio based communication network architecture for smart grid. , 2012, , .		5
70	A Novel Coordinative Resident Electric Vehicle Charging Mechanism. , 2012, , .		3
71	Sorted QR Decomposition Based Tree Search Detection Algorithm for MIMO System. , 2012, , .		2
72	Novel WSN-based residential energy management scheme in smart grid. , 2012, , .		11

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73	PAPR reduction with harmony annealing research for OFDM systems. , 2011, , .		0
74	Improved EM-Based H-Infinity Channel Estimator for MIMO-OFDM Systems. , 2011, , .		1
75	Flatness prediction model based on wavelet transform. , 2010, , .		0
76	Stability-enhanced routing for mobile ad hoc networks. , 2010, , .		6
77	Research on the LN2 auto-filling system for dewar vessel based on Bang-Bang + PID control. , 2010, , .		1
78	A dynamic traffic adjustment approach to optimizing performance in multipath network serving heterogeneous flows. , 2010, , .		1
79	Suboptimal partial transmit sequence algorithm to reduce the PAPR in OFDM systems. , 2010, , .		0
80	Dissolved Oxygen Monitoring and Control System based on the CDMA platform. , 2010, , .		2
81	A Traffic Prediction Based Bandwidth Management Algorithm of a Future Internet Architecture. , 2010, , .		9
82	Bandwidth allocation in virtual network based on traffic prediction. , 2010, , .		1
83	Bandwidth Allocation in Virtual Network Based on Traffic Prediction. , 2010, , .		9
84	A Novel Multipath Video-on-demand Transmission Algorithm. , 2010, , .		0
85	Time allocation in cognitive radar for multitarget detection with dynamic programming. , 2010, , .		1
86	A novel forwarding algorithm over multipath network. , 2010, , .		1
87	Topology Control Algorithm Target Tracking-Oriented. , 2009, , .		0
88	An Improved QRD-M Detection Algorithm for MIMO Communication System. , 2009, , .		2
89	An Energy-Efficiency Coverage-Preserving Node Scheduling Scheme in Wireless Sensor Networks. , 2009, , .		3
90	Dual-modal indoor mobile localization system based on prediction algorithm. , 2009, , .		4

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91	EM-based angle-domain channel estimation for MIMO-OFDM systems. , 2009, , .		0
92	Time Allocation in Cognitive Radar for Multiple Target Detection. , 2009, , .		1
93	Optimal Adaptive Waveform Selection Based on ADP in Cognitive Radar. , 2009, , .		3
94	Improved MAP channel estimation algorithm for MIMO-OFDM systems under angle domain. , 2009, , .		0
95	Dynamic adjustment based traffic allocation algorithm over multipath network. , 2009, , .		0
96	Peak-to-Average Power Ratio Reduction Based on Cyclic Iteration Partial Transmit Sequence. , 2009, , .		4
97	Pilot-Based Angle-Domain Channel Estimation for MIMO-OFDM Systems. , 2009, , .		3
98	An Improved Algorithm for Waveform Scheduling. , 2009, , .		1
99	A Forwarding Migration Algorithm for Multipath Transmission. , 2009, , .		0
100	Joint maximum likelihood and QRD-M detection algorithm for MIMO system. , 2009, , .		1
101	Robust adaptive beamforming algorithm based on Bayesian approach. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2008, 3, 435-439.	0.6	0
102	Target tracking using WSN based on multiagent coordination method. , 2008, , .		6
103	A Novel Single-Hop Delay Probe Algorithm in Multi-Homed Host. , 2008, , .		3
104	Bandwidth Guaranteed Multi-Path Routing as a Service over a Virtual Network. , 2008, , .		7
105	A Low Complexity Near Optimal Diversity-Multiplexing Switched MIMO Systems Based on Variable-Rate MQAM. , 2008, , .		0
106	ADP-Based Optimal Adaptive Waveform Selection in Cognitive Radar. , 2008, , .		5
107	A Multipath Forwarding Algorithm Based-On Predictive Path Loss Rate for Real-Time Application. , 2008, , .		0
108	A novel diversity-multiplexing switched MIMO systems in rayleigh fading channels. , 2008, , .		1

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109	Efficient transmit and receive optimization design for multiuser spatial multiplexing systems. , 2008, , .		0
110	Decomposed selected mapping for peak-to-average power ratio reduction in MIMO-OFDM systems. , 2008, , .		0
111	Effective antenna selection in MIMO systems under spatial correlated fading. , 2008, , .		2
112	Parallel interference cancellation MIMO decision feedback equalization based on recursive least square algorithm. , 2008, , .		0
113	Reducing the Peak to Average Power Ration of OFDM System using Particle Swarm Optimization. , 2008, , .		1
114	Collaborative Signal Processing Cluster-Based in Wireless Sensor Network. , 2008, , .		11
115	A Crosslayer Concurrent Multipath Random Forward Algorithm. , 2008, , .		3
116	Robust adaptive beamforming algorithm based on neural network. , 2008, , .		8
117	Near optimal scheme for diversity-multiplexing switched MIMO systems. , 2008, , .		0
118	Adaptive MIMO Successive Interference Cancellation Decision Feedback Equalization RLS algorithm for V-BLAST. , 2007, , .		3
119	A Low Complexity PAPR Reduction Technique for STBC MIMO-OFDM System. , 2007, , .		2
120	Antenna Selection for Spatial Multiplexing Systems Based on Complex Householder QR Factorization. , 2007, , .		2
121	Fast Square-Root Detection Algorithm for V-BLAST. , 2007, , .		0
122	Neural Network-Based Robust Adaptive Beamforming. , 2006, , .		2
123	Robust Adaptive Beamforming Using a Bayesian Approach. , 2006, , .		0
124	A Semi-Blind Multiuser Detection Based on Chebyshev Approximation and Subspace Tracking for MC-CDMA Uplink. , 2006, , .		1
125	Joint Estimation of the Central Direction of Arrival and Angular Spread for Distributed Source Based on Beamspace Propagator. , 2006, , .		3
126	A Recursive Algorithm to Robust Adaptive Beamforming and Diagonal Loading. , 2006, , .		2

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127	Unitary Solution to Coherent Cyclic DOA Estimation Problem. , 2006, , .		1
128	Semi-Blind Multiuser Detection Based on Subspace Constrained LMS for MC-CDMA Uplink. , 2006, , .		2
129	Semi-Blind Adaptive Multiuser Detection Based on Subspace Constrained Chebyshev Approximation. , 2006, , .		0
130	A Low Complexity Robust Parameter Estimator for Distributed Source. , 2006, , .		3
131	A Subspace Semi-Blind Adaptive Multiuser Detection Algorithm Based on Kalman Filter for MC-CDMA Uplink. , 2006, , .		1
132	Application of Wavelet Array Denoising to ESPRIT Algorithm. , 2005, , .		3
133	On Hermitian Mapping for Direction-of-Arrival Estimation of Coherent Cyclostationary Signals. , 2005, , .		0
134	Direction of arrival estimation of coherently distributed sources based on unitary ESPRIT in MIMO channel models. , 0, , .		2
135	An OS-esprit algorithm for estimation DOA in wireless communications. , 0, , .		0
136	An OTST-ESPRIT algorithm for joint DOA-delay estimation. , 0, , .		4
137	Robust constrained-LMS adaptive beamforming algorithm. , 0, , .		1
138	Robust recursive least squares adaptive beamforming algorithm. , 0, , .		1
139	Wavelet packets-based direction-of-arrival estimation. , 0, , .		5
140	A novel improved MUSIC algorithm by wavelet denoising in spatially correlated noises. , 0, , .		3
141	Direction of Arrival Estimation Based on Distributed Sources Model in MIMO Channel Environment. , 0, , .		0
142	On A Real-valued EVD Approach to Cyclic DOA Estimation. , 0, , .		0
143	Unitary Cyclic ESPRIT-like Direction Finding. , 0, , .		0
144	Non-Mapping Back SB-ESPRIT for Coherent Signals. , 0, , .		2

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145	Robust capon beamforming in the presence of mismatches. , 0, , .		0
146	Improving the performance of cyclic ESPRIT via real-valued decomposition. , 0, , .		0
147	A neural minor component analysis algorithm for robust beamforming. , 0, , .		1
148	Reduced Wavelet Packet and Its Application to Beamspace ESPRIT Algorithm in Correlated Signals. , 0, , .		1
149	Neural Network-Based Robust Adaptive Beamforming. , 0, , .		0