Xue Wang

List of Publications by Year
in descending order

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91 papers	2,137 citations	236833 25 h-index	243529 44 g-index
92 all docs	92 docs citations	92 times ranked	1957 citing authors

#	Article	IF	Citations
1	Remaining Useful Life Prediction of Lithium-Ion Batteries Based on the Wiener Process with Measurement Error. Energies, 2014, 7, 520-547.	1.6	210
2	An Improved Co-evolutionary Particle Swarm Optimization for Wireless Sensor Networks with Dynamic Deployment. Sensors, 2007, 7, 354-370.	2.1	163
3	Learning Spatialâ€“Spectralâ€“Temporal EEG Features With Recurrent 3D Convolutional Neural Networks for Cross-Task Mental Workload Assessment. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 31-42.	2.7	155
4	Non-Intrusive Load Monitoring by Voltageâ€“Current Trajectory Enabled Transfer Learning. IEEE Transactions on Smart Grid, 2019, 10, 5609-5619.	6.2	132
5	Distributed Visual-Target-Surveillance System in Wireless Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1134-1146.	5.5	82
6	Distributed Energy Optimization for Target Tracking in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2010, 9, 73-86.	3.9	80
7	Collaborative signal processing for target tracking in distributed wireless sensor networks. Journal of Parallel and Distributed Computing, 2007, 67, 501-515.	2.7	77
8	Distributed Particle Swarm Optimization and Simulated Annealing for Energy-efficient Coverage in Wireless Sensor Networks. Sensors, 2007, 7, 628-648.	2.1	74
9	Hierarchical Deployment Optimization for Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2011, 10, 1028-1041.	3.9	67
10	Prediction-based Dynamic Energy Management in Wireless Sensor Networks. Sensors, 2007, 7, 251-266.	2.1	64
11	An Improved Particle Filter for Target Tracking in Sensor Systems. Sensors, 2007, 7, 144-156.	2.1	64
12	Spectral and Temporal Feature Learning With Two-Stream Neural Networks for Mental Workload Assessment. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1149-1159.	2.7	60
13	RESLS: Region and Edge Synergetic Level Set Framework for Image Segmentation. IEEE Transactions on Image Processing, 2020, 29, 57-71.	6.0	51
14	Cluster-based Dynamic Energy Management for Collaborative Target Tracking in Wireless Sensor Networks. Sensors, 2007, 7, 1193-1215.	2.1	45
15	3D skeletonization feature based computer-aided detection system for pulmonary nodules in CT datasets. Computers in Biology and Medicine, 2018, 92, 64-72.	3.9	43
16	Admittance-based load signature construction for non-intrusive appliance load monitoring. Energy and Buildings, 2018, 171, 209-219.	3.1	43
17	Sparse EEG compressive sensing for web-enabled person identification. Measurement: Journal of the International Measurement Confederation, 2015, 74, 11-20.	2.5	41
18	Distributed Peer-to-Peer Target Tracking in Wireless Sensor Networks. Sensors, 2007, 7, 1001-1027.	2.1	40

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19	A Deep Feature Optimization Fusion Method for Extracting Bearing Degradation Features. IEEE Access, 2018, 6, 19640-19653.	2.6	37
20	Dynamic Deployment Optimization in Wireless Sensor Networks. , 2006, , 182-187.		33
21	Reputation-Enabled Self-Modification for Target Sensing in Wireless Sensor Networks. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 171-179.	2.4	32
22	Temporal and Spectral Feature Learning With Two-Stream Convolutional Neural Networks for Appliance Recognition in NILM. IEEE Transactions on Smart Grid, 2022, 13, 762-772.	6.2	32
23	Agent Collaborative Target Localization and Classification in Wireless Sensor Networks. Sensors, 2007, 7, 1359-1386.	2.1	30
24	Global optimal hybrid geometric active contour for automated lung segmentation on CT images. Computers in Biology and Medicine, 2017, 91, 168-180.	3.9	30
25	Time Series Forecasting Energy-efficient Organization of Wireless Sensor Networks. Sensors, 2007, 7, 1766-1792.	2.1	27
26	Trust Evaluation Sensing for Wireless Sensor Networks. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 2088-2095.	2.4	26
27	Wearable biosensor network enabled multimodal daily-life emotion recognition employing reputation-driven imbalanced fuzzy classification. Measurement: Journal of the International Measurement Confederation, 2017, 109, 408-424.	2.5	25
28	Parallel energy-efficient coverage optimization with maximum entropy clustering in wireless sensor networks. Journal of Parallel and Distributed Computing, 2009, 69, 838-847.	2.7	22
29	Virtual Force-Directed Particle Swarm Optimization for Dynamic Deployment in Wireless Sensor Networks. , 2007, , 292-303.		21
30	Supervised recursive segmentation of volumetric CT images for 3D reconstruction of lung and vessel tree. Computer Methods and Programs in Biomedicine, 2015, 122, 316-329.	2.6	21
31	Instance Segmentation Enabled Hybrid Data Association and Discriminative Hashing for Online Multi-Object Tracking. IEEE Transactions on Multimedia, 2019, 21, 1709-1723.	5.2	20
32	Robust Forecasting for Energy Efficiency of Wireless Multimedia Sensor Networks. Sensors, 2007, 7, 2779-2807.	2.1	16
33	Feature Weight Driven Interactive Mutual Information Modeling for Heterogeneous Bio-Signal Fusion to Estimate Mental Workload. Sensors, 2017, 17, 2315.	2.1	16
34	Optimized Deployment Strategy of Mobile Agents in Wireless Sensor Networks. , 2006, , .		13
35	A New Hybrid Level Set Approach. IEEE Transactions on Image Processing, 2020, 29, 7032-7044.	6.0	13
36	Collaborative Deployment Optimization and Dynamic Power Management in Wireless Sensor Networks. , 2006, , .		12

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37	Energy-efficient Optimization of Reorganization-Enabled Wireless Sensor Networks. Sensors, 2007, 7, 1793-1816.	2.1	12
38	Energy-aware Scheduling of Surveillance in Wireless Multimedia Sensor Networks. Sensors, 2010, 10, 3100-3125.	2.1	11
39	Sparsity constrained differential evolution enabled feature-channel-sample hybrid selection for daily-life EEG emotion recognition. Multimedia Tools and Applications, 2018, 77, 21967-21994.	2.6	11
40	Multiphase Level Set-based Multi-objective Image Segmentation Cooperating with Spatial Fuzzy C-means. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2013, 49, 10.	0.7	11
41	Pure harmonics extracting from time-varying power signal based on improved empirical mode decomposition. Measurement: Journal of the International Measurement Confederation, 2014, 49, 216-225.	2.5	10
42	Adaptive Energy Weight Based Active Contour Model for Robust Medical Image Segmentation. Journal of Signal Processing Systems, 2018, 90, 449-465.	1.4	10
43	Dynamic sensor nodes selection strategy for wireless sensor networks. , 2007, , .		9
44	Energy-efficient Organization of Wireless Sensor Networks with Adaptive Forecasting. Sensors, 2008, 8, 2604-2616.	2.1	9
45	Resolution-Enhanced Harmonic and Interharmonic Measurement for Power Quality Analysis in Cyber-Physical Energy System. Sensors, 2016, 16, 946.	2.1	9
46	Hierarchical Wireless Multimedia Sensor Networks for Collaborative Hybrid Semi-Supervised Classifier Learning. Sensors, 2007, 7, 2693-2722.	2.1	8
47	Reputation-driven multimodal emotion recognition in wearable biosensor network. , 2015, , .		8
48	Compacted Probabilistic Visual Target Classification With Committee Decision in Wireless Multimedia Sensor Networks. IEEE Sensors Journal, 2009, 9, 346-353.	2.4	7
49	Dynamic Deployment Optimization in Wireless Sensor Networks. , 2006, , 182-187.		7
50	Distributed lightweight target tracking for wireless sensor networks. , 2009, , .		6
51	Hierarchical sparse learning for load forecasting in cyber-physical energy systems. , 2013, , .		6
52	Prediction-based manufacturing center self-adaptive demand side energy optimization in cyber physical systems. Chinese Journal of Mechanical Engineering (English Edition), 2014, 27, 488-495.	1.9	5
53	Heterogeneous feature fusion-based optimal face image acquisition in visual sensor network. , 2015, , .		5
54	Coarse-to-fine multiview 3d face reconstruction using multiple geometrical features. Multimedia Tools and Applications, 2018, 77, 939-966.	2.6	5

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55	A Novel Framework for Cluster-based Sensor Fusion. , 2006, , .		4
56	Fault Recognition with Labeled Multi-category Support Vector Machine. , 2007, , .		4
57	Distributed strategy for sensing deployment in wireless sensor networks. , 2010, , .		4
58	EEG feature selection based on weighted-normalized mutual information for mental fatigue classification. , 2016, , .		4
59	Robust global minimization of active contour model for multi-object medical image segmentation. , 2014, , .		3
60	Asynchronous harmonic analysis based on out-of-sequence measurement for large-scale residential power network. , 2015, , .		3
61	Data-Aware Retrodiction for Asynchronous Harmonic Measurement in a Cyber-Physical Energy System. Sensors, 2016, 16, 1316.	2.1	3
62	Self-adaptive morphable model based collaborative multi-view 3d face reconstruction in visual sensor network. Multimedia Tools and Applications, 2016, 75, 11469-11491.	2.6	3
63	View Enhanced Jigsaw Puzzle for Self-Supervised Feature Learning in 3D Human Action Recognition. IEEE Access, 2022, 10, 36385-36396.	2.6	3
64	Particle Swarm Optimization Clustering for Target Classification in Wireless Sensor Networks. , 2008, , .		2
65	L-Shaped-Sensor-Array-Based Localization and Tracking Method for 3D Maneuvering Target. International Journal of Distributed Sensor Networks, 2013, 9, 741284.	1.3	2
66	Adaptive image sequence reduction in surveillance using region enhancement block compressive sensing. , 2014, , .		2
67	Self-adaptive morphable model based multi-view non-cooperative 3D face reconstruction. , 2014, , .		2
68	Dynamic power optimization with target prediction for measurement in wireless sensor networks. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2007, 43, 26.	0.7	2
69	Multi-step Optimized Measurement in Hierarchically Clustered Wireless Sensor Networks. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2009, 45, 1.	0.7	2
70	Dynamic Energy Management with Improved Particle Filter Prediction in Wireless Sensor Networks. , 2007, , 251-262.		2
71	Collaborative hybrid classifier learning with ant colony optimization in wireless multimedia sensor networks. , 2008, , .		1
72	Bidding and Voting Strategy for Energy Efficient Collaborative Target Classification in Wireless Sensor Networks. , 2008, , .		1

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73	A novel method of gross error identification in non-diffracting beam triangulation measurement system. Proceedings of SPIE, 2010, , .	0.8	1
74	Interval modulated target sensing in energy restraint wireless sensor networks. , 2010, , .		1
75	Collaborative target classification with multiagent system in wireless multimedia sensor networks. , 2012, , .		1
76	Recursive cooperative swarm optimization for harmonic analysis of time-varying power signal. , 2013, , .		1
77	Identification of multiple harmonic sources in cyber-physical energy system using supervised independent component analysis. , 2014, , .		1
78	Face acquiring optimization based on video sensor network. , 2014, , .		1
79	Adaptive recursive optimized extrinsic self-calibration in distributed visual sensor networks. , 2016, , .		1
80	Implicit relative attribute enabled cross-modality hashing for face image-video retrieval. Multimedia Tools and Applications, 2018, 77, 23547-23577.	2.6	1
81	Dynamic sensing optimization strategy for mobile nodes deployment in wireless sensor networks. , 2006, 6357, 1062.		0
82	Dynamic hierarchical committee for mulitple agent decision in wireless sensor networks. , 2006, , .		0
83	Robust target localization with multi-party cooperation in wireless sensor networks. , 2008, , .		0
84	Collaborative statistical learning with rough feature reduction for visual target classification. , 2008, , .		0
85	Bootstrap Gaussian Process classifiers for rotating machinery anomaly detection. , 2008, , .		0
86	Hybrid Gaussian process visual target classification in wireless multimedia sensor networks. , 2009, , .		0
87	Reputation-based sensing reliability assurance in wireless sensor networks. , 2009, , .		0
88	Time-efficient pulse-coupled oscillators based trustworthy synchronization for distributed harmonic sensing. , 2016, , .		0
89	STATE TRACKING MEASUREMENT METHOD USING PARTICLE FILTER BASED ON RADIAL BASIS FUNCTION NEURAL NETWORK. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2006, 42, 21.	0.7	0
90	Latent Function Sigmoid Compression Bayesian Fault Recognition Method. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2008, 44, 145.	0.7	0

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91	Generic enhanced ensemble learning with multi-level kinematic constraints for 3D action recognition. Multimedia Tools and Applications, 2022, 81, 9685.	2.6	0