

Hairong Qi

List of Publications by Year in descending order

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74
papers

2,037
citations

623734

14
h-index

752698

20
g-index

74
all docs

74
docs citations

74
times ranked

2170
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond Inferring Class Representatives: User-Level Privacy Leakage From Federated Learning. , 2019, , .		384
2	Friendbook: A Semantic-Based Friend Recommendation System for Social Networks. IEEE Transactions on Mobile Computing, 2015, 14, 538-551.	5.8	194
3	Personalized Privacy-Preserving Task Allocation for Mobile Crowdsensing. IEEE Transactions on Mobile Computing, 2019, 18, 1330-1341.	5.8	173
4	Unsupervised Sparse Dirichlet-Net for Hyperspectral Image Super-Resolution. , 2018, , .		151
5	Hyperspectral Anomaly Detection Through Spectral Unmixing and Dictionary-Based Low-Rank Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4391-4405.	6.3	149
6	Achieving k-Barrier Coverage in Hybrid Directional Sensor Networks. IEEE Transactions on Mobile Computing, 2014, 13, 1443-1455.	5.8	123
7	Multiple Event Detection and Recognition Through Sparse Unmixing for High-Resolution Situational Awareness in Power Grid. IEEE Transactions on Smart Grid, 2014, 5, 1654-1664.	9.0	107
8	Privacy-Preserving Crowd-Sourced Statistical Data Publishing with An Untrusted Server. IEEE Transactions on Mobile Computing, 2019, 18, 1356-1367.	5.8	89
9	Sparse representation based band selection for hyperspectral images. , 2011, , .		57
10	Target Detection Through Tree-Structured Encoding for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4233-4249.	6.3	49
11	Towards Personalized Privacy-Preserving Incentive for Truth Discovery in Mobile Crowdsensing Systems. IEEE Transactions on Mobile Computing, 2022, 21, 352-365.	5.8	48
12	Safety critical event prediction through unified analysis of driver and vehicle volatilities: Application of deep learning methods. Accident Analysis and Prevention, 2021, 151, 105949.	5.7	40
13	Physically Constrained Transfer Learning Through Shared Abundance Space for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10455-10472.	6.3	27
14	Fault tolerant barrier coverage for wireless sensor networks. , 2014, , .		26
15	Fast-Converging Conditional Generative Adversarial Networks for Image Synthesis. , 2018, , .		25
16	Ensemble-Based Information Retrieval With Mass Estimation for Hyperspectral Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-23.	6.3	23
17	Towards Personalized Privacy-Preserving Incentive for Truth Discovery in Crowdsourced Binary-Choice Question Answering. , 2020, , .		22
18	Unsupervised and Unregistered Hyperspectral Image Super-Resolution With Mutual Dirichlet-Net. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	21

#	ARTICLE	IF	CITATIONS
19	Person re-identification using visual attention. , 2017, , .		20
20	Accelerated Atomic Data Production in <i>Ab Initio</i> Molecular Dynamics with Recurrent Neural Network for Materials Research. Journal of Physical Chemistry C, 2020, 124, 14838-14846.	3.1	18
21	Measurement accuracy limitation analysis on synchrotrons. , 2015, , .		16
22	kBF: Towards Approximate and Bloom Filter based Key-Value Storage for Cloud Computing Systems. IEEE Transactions on Cloud Computing, 2017, 5, 85-98.	4.4	16
23	Barrier Coverage in Hybrid Directional Sensor Networks. , 2013, , .		15
24	Distributed Data Aggregation for Sparse Recovery in Wireless Sensor Networks. , 2013, , .		14
25	A Hand-held Mosaicked Multispectral Imaging Device for Early Stage Pressure Ulcer Detection. Journal of Medical Systems, 2011, 35, 895-904.	3.6	13
26	SocialCattle: IoT-Based Mastitis Detection and Control Through Social Cattle Behavior Sensing in Smart Farms. IEEE Internet of Things Journal, 2022, 9, 10130-10138.	8.7	13
27	Partially-Sparse Restricted Boltzmann Machine for Background Modeling and Subtraction. , 2013, , .		12
28	Hierarchical Utilization Control for Real-Time and Resilient Power Grid. , 2009, , .		10
29	Multiple event analysis for large-scale power systems through cluster-based sparse coding. , 2015, , .		10
30	Distributed object recognition in smart camera networks. , 2016, , .		10
31	Feature encoding in band-limited distributed surveillance systems. , 2017, , .		9
32	Facial feature parsing and landmark detection via low-rank matrix decomposition. , 2015, , .		8
33	Robust coupling in space of sparse codes for multi-view recognition. , 2016, , .		8
34	Multi-Task Learning with Low-Rank Matrix Factorization for Hyperspectral Nonlinear Unmixing. , 2019, , .		8
35	Control-Based Real-Time Metadata Matching for Information Dissemination. , 2008, , .		7
36	Dynamic target classification in wireless sensor networks. , 2008, , .		7

#	ARTICLE	IF	CITATIONS
37	Unsupervised nonlinear unmixing of hyperspectral images using sparsity constrained probabilistic latent semantic analysis. , 2013, , .		7
38	Smart Diary: A Smartphone-based Framework for Sensing, Inferring and Logging Usersâ€™ Daily Life. IEEE Sensors Journal, 2014, , 1-1.	4.7	7
39	Non-intrusive load monitoring of HVAC components using signal unmixing. , 2015, , .		7
40	Trustworthy and Cost-Effective Cell Selection for Sparse Mobile Crowdsensing Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 6108-6121.	6.3	7
41	A network intrusion detection method using independent component analysis. , 2008, , .		6
42	Identifying frequent flows in large datasets through probabilistic bloom filters. , 2015, , .		6
43	Source Localization using Stochastic Approximation and Least Squares Methods. , 2009, , .		5
44	Redundancy removal through semantic neighbor selection in Visual Sensor Networks. , 2009, , .		5
45	Optimizing coverage of three-dimensional wireless sensor networks by means of photon mapping. , 2013, , .		5
46	End-to-end binary representation learning via direct binary embedding. , 2017, , .		5
47	Class-Discriminative Feature Embedding For Meta-Learning based Few-Shot Classification. , 2020, , .		5
48	Monocular Depth Estimation with Adaptive Geometric Attention. , 2022, , .		5
49	Detection, recognition, and localization of multiple attacks through event unmixing. , 2013, , .		4
50	Compressed dictionary learning for detecting activations in fMRI using double sparsity. , 2014, , .		4
51	Robust multi-object tracking using confident detections and safe tracklets. , 2015, , .		4
52	A new perspective on terahertz image reconstruction based on linear spectral unmixing. , 2008, , .		3
53	An Effective Decentralized Nonparametric Quickest Detection Approach. , 2010, , .		3
54	Non-parametric Bayesian dictionary learning for image super resolution. , 2011, , .		3

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55	Deep tree-structured face: A unified representation for multi-task facial biometrics. , 2016, , .		3
56	Multi-view task-driven recognition in visual sensor networks. , 2017, , .		3
57	Discriminative Cross-View Binary Representation Learning. , 2018, , .		3
58	A Robust Node Selection Strategy for Lifetime Extension in Wireless Sensor Networks. , 2009, , .		2
59	Pattern-based compressed phone sensing. , 2013, , .		2
60	Multimodal weighted dictionary learning. , 2016, , .		2
61	Context Aware Road-user Importance Estimation (iCARE). , 2019, , .		2
62	A hybrid feature extraction framework based on risk minimization and independence maximization. , 2009, , .		1
63	An effective nonparametric quickest detection procedure based on Q-Q distance. , 2010, , .		1
64	Effective Dimensionality Reduction Based on Support Vector Machine. , 2010, , .		1
65	Unmixing: A new direction from classical tidal harmonic analysis?. , 2015, , .		1
66	Multivariate empirical mode decomposition based signal analysis and efficient-storage in smart grid. , 2016, , .		1
67	Computational frameworks for context-aware hybrid sensor fusion. International Journal of Image and Data Fusion, 2016, 7, 83-102.	1.7	1
68	Approximate and Sublinear Spatial Queries for Large-Scale Vehicle Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 1561-1569.	6.3	1
69	An effective approach to corner point detection through multiresolution analysis. , 2011, , .		0
70	r-Kernel: An operating system foundation for highly reliable networked embedded systems. , 2011, , .		0
71	Action recognition across cameras via reconstructable paths. , 2013, , .		0
72	A comparative study of methods to solve the watchman route problem in a photon mapping-illuminated 3D virtual environment. , 2014, , .		0

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73	A study on the growth characteristics of green algae blooms in the Yellow Sea using categorical analysis. , 2015, , .		0
74	Addressing ambiguity in multi-target tracking by hierarchical strategy. , 2017, , .		0