

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	Towards Personalized Privacy-Preserving Incentive for Truth Discovery in Mobile Crowdsensing Systems. IEEE Transactions on Mobile Computing, 2022, 21, 352-365.	5.8	48
2	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
3	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
4	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
5	Monocular Depth Estimation with Adaptive Geometric Attention. , 2022, , .		5
6	Target Detection Through Tree-Structured Encoding for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4233-4249.	6.3	49
7	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
8	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
9	Trustworthy and Cost-Effective Cell Selection for Sparse Mobile Crowdsensing Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 6108-6121.	6.3	7
10	Class-Discriminative Feature Embedding For Meta-Learning based Few-Shot Classification. , 2020, , .		5
11	Towards Personalized Privacy-Preserving Incentive for Truth Discovery in Crowdsourced Binary-Choice Question Answering. , 2020, , .		22
12	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
13	Personalized Privacy-Preserving Task Allocation for Mobile Crowdsensing. IEEE Transactions on Mobile Computing, 2019, 18, 1330-1341.	5.8	173
14	Privacy-Preserving Crowd-Sourced Statistical Data Publishing with An Untrusted Server. IEEE Transactions on Mobile Computing, 2019, 18, 1356-1367.	5.8	89
15	Beyond Inferring Class Representatives: User-Level Privacy Leakage From Federated Learning. , 2019, , .		384
16	Multi-Task Learning with Low-Rank Matrix Factorization for Hyperspectral Nonlinear Unmixing. , 2019, , .		8
17	Context Aware Road-user Importance Estimation (iCARE). , 2019, , .		2
18	Approximate and Sublinear Spatial Queries for Large-Scale Vehicle Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 1561-1569.	6.3	1

#	ARTICLE	IF	CITATIONS
19	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
20	Unsupervised Sparse Dirichlet-Net for Hyperspectral Image Super-Resolution. , 2018, , .		151
21	Fast-Converging Conditional Generative Adversarial Networks for Image Synthesis. , 2018, , .		25
22	Discriminative Cross-View Binary Representation Learning. , 2018, , .		3
23	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
24	Feature encoding in band-limited distributed surveillance systems. , 2017, , .		9
25	Addressing ambiguity in multi-target tracking by hierarchical strategy. , 2017, , .		0
26	Person re-identification using visual attention. , 2017, , .		20
27	Multi-view task-driven recognition in visual sensor networks. , 2017, , .		3
28	End-to-end binary representation learning via direct binary embedding. , 2017, , .		5
29	Multimodal weighted dictionary learning. , 2016, , .		2
30	Multivariate empirical mode decomposition based signal analysis and efficient-storage in smart grid. , 2016, , .		1
31	Robust coupling in space of sparse codes for multi-view recognition. , 2016, , .		8
32	Distributed object recognition in smart camera networks. , 2016, , .		10
33	Deep tree-structured face: A unified representation for multi-task facial biometrics. , 2016, , .		3
34	Computational frameworks for context-aware hybrid sensor fusion. International Journal of Image and Data Fusion, 2016, 7, 83-102.	1.7	1
35	Identifying frequent flows in large datasets through probabilistic bloom filters. , 2015, , .		6
36	A study on the growth characteristics of green algae blooms in the Yellow Sea using categorical analysis. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Multiple event analysis for large-scale power systems through cluster-based sparse coding. , 2015, , .		10
38	Unmixing: A new direction from classical tidal harmonic analysis?. , 2015, , .		1
39	Measurement accuracy limitation analysis on synchrophasors. , 2015, , .		16
40	Non-intrusive load monitoring of HVAC components using signal unmixing. , 2015, , .		7
41	Facial feature parsing and landmark detection via low-rank matrix decomposition. , 2015, , .		8
42	Robust multi-object tracking using confident detections and safe tracklets. , 2015, , .		4
43	Friendbook: A Semantic-Based Friend Recommendation System for Social Networks. IEEE Transactions on Mobile Computing, 2015, 14, 538-551.	5.8	194
44	A comparative study of methods to solve the watchman route problem in a photon mapping-illuminated 3D virtual environment. , 2014, , .		0
45	Compressed dictionary learning for detecting activations in fMRI using double sparsity. , 2014, , .		4
46	Smart Diary: A Smartphone-based Framework for Sensing, Inferring and Logging Usersâ€™ Daily Life. IEEE Sensors Journal, 2014, , 1-1.	4.7	7
47	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
48	Achieving k-Barrier Coverage in Hybrid Directional Sensor Networks. IEEE Transactions on Mobile Computing, 2014, 13, 1443-1455.	5.8	123
49	Fault tolerant barrier coverage for wireless sensor networks. , 2014, , .		26
50	Distributed Data Aggregation for Sparse Recovery in Wireless Sensor Networks. , 2013, , .		14
51	Partially-Sparse Restricted Boltzmann Machine for Background Modeling and Subtraction. , 2013, , .		12
52	Action recognition across cameras via reconstructable paths. , 2013, , .		0
53	Detection, recognition, and localization of multiple attacks through event unmixing. , 2013, , .		4
54	Barrier Coverage in Hybrid Directional Sensor Networks. , 2013, , .		15

#	ARTICLE	IF	CITATIONS
55	Pattern-based compressed phone sensing. , 2013, , .		2
56	Optimizing coverage of three-dimensional wireless sensor networks by means of photon mapping. , 2013, , .		5
57	Unsupervised nonlinear unmixing of hyperspectral images using sparsity constrained probabilistic latent semantic analysis. , 2013, , .		7
58	An effective approach to corner point detection through multiresolution analysis. , 2011, , .		0
59	Sparse representation based band selection for hyperspectral images. , 2011, , .		57
60	A Hand-held Mosaicked Multispectral Imaging Device for Early Stage Pressure Ulcer Detection. Journal of Medical Systems, 2011, 35, 895-904.	3.6	13
61	r-Kernel: An operating system foundation for highly reliable networked embedded systems. , 2011, , .		0
62	Non-parametric Bayesian dictionary learning for image super resolution. , 2011, , .		3
63	An effective nonparametric quickest detection procedure based on Q-Q distance. , 2010, , .		1
64	An Effective Decentralized Nonparametric Quickest Detection Approach. , 2010, , .		3
65	Effective Dimensionality Reduction Based on Support Vector Machine. , 2010, , .		1
66	A hybrid feature extraction framework based on risk minimization and independence maximization. , 2009, , .		1
67	Source Localization using Stochastic Approximation and Least Squares Methods. , 2009, , .		5
68	Redundancy removal through semantic neighbor selection in Visual Sensor Networks. , 2009, , .		5
69	Hierarchical Utilization Control for Real-Time and Resilient Power Grid. , 2009, , .		10
70	A Robust Node Selection Strategy for Lifetime Extension in Wireless Sensor Networks. , 2009, , .		2
71	Control-Based Real-Time Metadata Matching for Information Dissemination. , 2008, , .		7
72	Dynamic target classification in wireless sensor networks. , 2008, , .		7

#	ARTICLE	IF	CITATIONS
73	A network intrusion detection method using independent component analysis. , 2008, , .		6
74	A new perspective on terahertz image reconstruction based on linear spectral unmixing. , 2008, , .		3