

Yong-Qiang Zhao

List of Publications by Year in descending order

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105
papers

3,113
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230014

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all docs

107
docs citations

107
times ranked

2492
citing authors

#	ARTICLE	IF	CITATIONS
1	Variational Regularization Network With Attentive Deep Prior for Hyperspectral-Multispectral Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	27
2	Exploring Sub-Action Granularity for Weakly Supervised Temporal Action Localization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2186-2198.	5.6	15
3	Multilayer Sparsity-Based Tensor Decomposition for Low-Rank Tensor Completion. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6916-6930.	7.2	86
4	Multiple Instance Graph Learning for Weakly Supervised Remote Sensing Object Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	21
5	Histograms of oriented mosaic gradients for snapshot spectral image description. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 183, 79-93.	4.9	13
6	When Laplacian Scale Mixture Meets Three-Layer Transform: A Parametric Tensor Sparsity for Tensor Completion. IEEE Transactions on Cybernetics, 2022, 52, 13887-13901.	6.2	53
7	Hyperspectral Image Restoration via Spatial-Spectral Residual Total Variation Regularized Low-Rank Tensor Decomposition. Remote Sensing, 2022, 14, 511.	1.8	3
8	A Specular Highlight Removal Algorithm for Quality Inspection of Fresh Fruits. Remote Sensing, 2022, 14, 3215.	1.8	2
9	Hyperspectral and Multispectral Image Fusion via Graph Laplacian-Guided Coupled Tensor Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 648-662.	2.7	51
10	Hybrid Local and Nonlocal 3-D Attentive CNN for Hyperspectral Image Super-Resolution. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1274-1278.	1.4	17
11	A Micro-Polarizer Array Configuration Design Method for Division of Focal Plane Imaging Polarimeter. IEEE Sensors Journal, 2021, 21, 2828-2838.	2.4	12
12	POLO: Learning Explicit Cross-Modality Fusion for Temporal Action Localization. IEEE Signal Processing Letters, 2021, 28, 503-507.	2.1	16
13	Spatial-Spectral Structured Sparse Low-Rank Representation for Hyperspectral Image Super-Resolution. IEEE Transactions on Image Processing, 2021, 30, 3084-3097.	6.0	103
14	Multisensor Image Fusion for Automated Detection of Defects in Printed Circuit Boards. IEEE Sensors Journal, 2021, 21, 23390-23399.	2.4	19
15	Image-matching enhancement using a polarized intensity-hue-saturation fusion method. Applied Optics, 2021, 60, 3699.	0.9	10
16	Object Tracking in Hyperspectral-Oriented Video with Fast Spatial-Spectral Features. Remote Sensing, 2021, 13, 1922.	1.8	22
17	Polarization image demosaicking using polarization channel difference prior. Optics Express, 2021, 29, 22066.	1.7	33
18	I2Net: Mining intra-video and inter-video attention for temporal action localization. Neurocomputing, 2021, 444, 16-29.	3.5	9

#	ARTICLE	IF	CITATIONS
19	Illumination-invariant road detection and tracking using LWIR polarization characteristics. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 180, 357-369.	4.9	16
20	Mosaic Convolution-Attention Network for Demosaicing Multispectral Filter Array Images. IEEE Transactions on Computational Imaging, 2021, 7, 864-878.	2.6	27
21	Polarization-guided road detection network for LWIR division-of-focal-plane camera. Optics Letters, 2021, 46, 5679.	1.7	13
22	No-Reference Physics-Based Quality Assessment of Polarization Images and Its Application to Demosaicking. IEEE Transactions on Image Processing, 2021, 30, 8983-8998.	6.0	11
23	Enhanced Sparsity Prior Model for Low-Rank Tensor Completion. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4567-4581.	7.2	59
24	Global and Local Tensor Sparse Approximation Models for Hyperspectral Image Destriping. Remote Sensing, 2020, 12, 704.	1.8	10
25	Hyperspectral Image Denoising Based on Nonlocal Low-Rank and TV Regularization. Remote Sensing, 2020, 12, 1956.	1.8	18
26	Detecting Giant Cell Tumor of Bone Lesions Using Mueller Matrix Polarization Microscopic Imaging and Multi-Parameters Fusion Network. IEEE Sensors Journal, 2020, 20, 7208-7215.	2.4	15
27	Joint Spatial-spectral Resolution Enhancement of Multispectral Images with Spectral Matrix Factorization and Spatial Sparsity Constraints. Remote Sensing, 2020, 12, 993.	1.8	4
28	Hyperspectral Image Super-Resolution via Self-projected Smooth Prior. Lecture Notes in Computer Science, 2020, , 648-659.	1.0	0
29	Full-Time Monocular Road Detection Using Zero-Distribution Prior of Angle of Polarization. Lecture Notes in Computer Science, 2020, , 457-473.	1.0	7
30	Hyperspectral "Multispectral Image Fusion Enhancement Based on Deep Learning. Advances in Computer Vision and Pattern Recognition, 2020, , 407-433.	0.9	0
31	IEEE Access Special Section Editorial: Advanced Data Mining Methods for Social Computing. IEEE Access, 2020, 8, 228598-228604.	2.6	1
32	Spectral Super-Resolution for Multispectral Image Based on Spectral Improvement Strategy and Spatial Preservation Strategy. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9010-9024.	2.7	42
33	A Multi-Scale Wavelet 3D-CNN for Hyperspectral Image Super-Resolution. Remote Sensing, 2019, 11, 1557.	1.8	46
34	Nonconvex tensor rank minimization and its applications to tensor recovery. Information Sciences, 2019, 503, 109-128.	4.0	33
35	Hyperspectral Image Denoising Using Global Weighted Tensor Norm Minimum and Nonlocal Low-Rank Approximation. Remote Sensing, 2019, 11, 2281.	1.8	15
36	Nonlocal Tensor Sparse Representation and Low-Rank Regularization for Hyperspectral Image Compressive Sensing Reconstruction. Remote Sensing, 2019, 11, 193.	1.8	49

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37	Hyper-Laplacian regularized nonlocal low-rank matrix recovery for hyperspectral image compressive sensing reconstruction. Information Sciences, 2019, 501, 406-420.	4.0	27
38	Nonlocal Low-Rank Regularized Tensor Decomposition for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5174-5189.	2.7	146
39	Effect of reductant type on the embedding direct reduction of beach titanomagnetite concentrate. International Journal of Minerals, Metallurgy and Materials, 2019, 26, 152-159.	2.4	30
40	An Iterative Image Dehazing Method With Polarization. IEEE Transactions on Multimedia, 2019, 21, 1093-1107.	5.2	71
41	Demosaicking DoFP images using Newton's polynomial interpolation and polarization difference model. Optics Express, 2019, 27, 1376.	1.7	73
42	FOV Expansion of Bioinspired Multiband Polarimetric Imagers With Convolutional Neural Networks. IEEE Photonics Journal, 2018, 10, 1-14.	1.0	5
43	Joint Spatial and Spectral Low-Rank Regularization for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1940-1958.	2.7	73
44	Hyperspectral Imagery Denoising Using Multi-Linear Weighted Nuclear Norm Minimization. , 2018, , .		0
45	Banana Disease Detection by Fusion of Close Range Hyperspectral Image and High-Resolution Rgb Image. , 2018, , .		8
46	Total Variation and Rank-1 Constraint RPCA for Background Subtraction. IEEE Access, 2018, 6, 49955-49966.	2.6	11
47	Deformable Dictionary Learning for SAR Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4605-4617.	2.7	17
48	Hyperspectral Image Super-Resolution Based on Spatial and Spectral Correlation Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4165-4177.	2.7	56
49	Removal of reflections in LWIR image with polarization characteristics. Optics Express, 2018, 26, 16488.	1.7	28
50	Hyperspectral and Multispectral Image Fusion via Deep Two-Branches Convolutional Neural Network. Remote Sensing, 2018, 10, 800.	1.8	139
51	Learning and Transferring Deep Joint Spectral's Spatial Features for Hyperspectral Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4729-4742.	2.7	343
52	Joint Hyperspectral Superresolution and Unmixing With Interactive Feedback. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3823-3834.	2.7	18
53	Rank-1 Tensor Decomposition for Hyperspectral Image Denoising with Nonlocal Low-Rank Regularization. , 2017, , .		13
54	Polarization Guided Autoregressive Model for Depth Recovery. IEEE Photonics Journal, 2017, 9, 1-16.	1.0	16

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55	Tensor non-local low-rank regularization for recovering compressed hyperspectral images. , 2017, , .		0
56	No-Reference Hyperspectral Image Quality Assessment via Quality-Sensitive Features Learning. Remote Sensing, 2017, 9, 305.	1.8	70
57	Multiband Polarization Imaging. Journal of Sensors, 2016, 2016, 1-10.	0.6	5
58	Multispectral, Hyperspectral, and Polarimetric Imaging Technology. Journal of Sensors, 2016, 2016, 1-2.	0.6	0
59	Spectral super-resolution based on matrix factorization and spectral dictionary. , 2016, , .		0
60	A hyperspectral spatial-spectral enhancement algorithm. , 2016, , .		0
61	Orthogonal Nonnegative Matrix Factorization Combining Multiple Features for Spectral Spatial Dimensionality Reduction of Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4272-4286.	2.7	27
62	Hyperspectral image classification using two-channel deep convolutional neural network. , 2016, , .		89
63	Coupled Sparse Denoising and Unmixing With Low-Rank Constraint for Hyperspectral Image. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1818-1833.	2.7	73
64	Multi-band Polarization Imaging and Applications. Advances in Computer Vision and Pattern Recognition, 2016, , .	0.9	165
65	Polarization Imaging. Advances in Computer Vision and Pattern Recognition, 2016, , 13-45.	0.9	3
66	Multi-band Polarization Imaging. Advances in Computer Vision and Pattern Recognition, 2016, , 47-71.	0.9	9
67	Object Detection with Multi-band Polarization Imaging. Advances in Computer Vision and Pattern Recognition, 2016, , 111-153.	0.9	0
68	3D Reconstruction and Dehazing with Polarization Vision. Advances in Computer Vision and Pattern Recognition, 2016, , 177-194.	0.9	1
69	Multi-band Polarization Bidirectional Reflectance Distribution Function. Advances in Computer Vision and Pattern Recognition, 2016, , 73-110.	0.9	0
70	Bio-inspired Multi-band Polarization Imaging. Advances in Computer Vision and Pattern Recognition, 2016, , 155-176.	0.9	0
71	Specular reflection removal using local structural similarity and chromaticity consistency. , 2015, , .		4
72	Jointly spatial-spectral resolution enhancement of hyperspectral imagery. , 2015, , .		0

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73	Hyperspectral Image Denoising via Sparse Representation and Low-Rank Constraint. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 296-308.	2.7	313
74	Coupled hyperspectral super-resolution and unmixing. , 2014, , .		4
75	Hyperspectral Imagery Super-Resolution by Spatial-Spectral Joint Nonlocal Similarity. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2671-2679.	2.3	75
76	Joint denoising and unmixing for hyperspectral image. , 2014, , .		2
77	Joint segmentation and pairing of multispectral chromosome images. Pattern Analysis and Applications, 2013, 16, 497-506.	3.1	3
78	Automated classification of touching or overlapping M-FISH chromosomes by region fusion and homolog pairing. Pattern Analysis and Applications, 2013, 16, 31-39.	3.1	0
79	Unsupervised change detection of satellite images using low rank matrix completion. Optics Letters, 2013, 38, 5146.	1.7	3
80	Method of visual and infrared fusion for moving object detection. Optics Letters, 2013, 38, 1981.	1.7	23
81	Hyperspectral image denoising via sparsity and low rank. , 2013, , .		10
82	Unsupervised hyperspectral imagery classification via sparse multi-way models and image fusion. , 2012, , .		0
83	High-resolution multiband polarization epithelial tissue imaging method by sparse representation and fusion. Applied Optics, 2012, 51, A27.	0.9	9
84	Hyperspectral imagery super-resolution by image fusion and compressed sensing. , 2012, , .		5
85	Infrared target detection using kernel Rayleigh quotient quadratic correlation filter. Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 2012, 30, 142-148.	0.2	0
86	Unsupervised Classification of Spectropolarimetric Data by Region-Based Evidence Fusion. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 755-759.	1.4	10
87	Band-Subset-Based Clustering and Fusion for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 747-756.	2.7	71
88	Hyperspectral imagery super-resolution by sparse representation and spectral regularization. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	66
89	Anomaly Target Detection in Hyperspectral Imagery Based on Band Subset Fusion by Fuzzy Integral. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2011, 30, 267-271.	0.1	2
90	Tensor bidirectional reflectance distribution function model graph based multi-spectral face recognition. , 2010, , .		1

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91	Integration of spatial-spectral information for Hyperspectral image classification. , 2010, , .		3
92	Epithelial Tissue Abnormity Analysis Based on Single Backscattering Polarimetric Spectrum. , 2009, , .		0
93	Spectropolarimetric imaging for pathological analysis of skin. Applied Optics, 2009, 48, D236.	2.1	47
94	DETECTION OF BURIED TARGETS BASED ON MULTITEMPORAL INFRARED IMAGE. Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 2009, 28, 25-30.	0.2	1
95	Object Detection by Spectropolarimetric Imagery Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3337-3345.	2.7	47
96	Analysis of facial characteristics in spectropolarimetric imagery. Proceedings of SPIE, 2007, , .	0.8	0
97	Detection of buried objects in multi-temporal and multi-band infrared imagery using dynamic Bayesian networks. Proceedings of SPIE, 2007, , .	0.8	0
98	Spectropolarimetric Imaging for Skin Characteristics Analysis. , 2007, , 322-329.		2
99	Fuse spectropolarimetric imagery by D-S reasoning. , 2006, , .		2
100	Material classification based on multi-band polarimetric images fusion. , 2006, , .		6
101	Fusion of spectral and panchromatic images using false color mapping and wavelet integrated approach. , 2006, , .		0
102	Multiple-Detector Fusion for Anomaly Detection In Multispectral Imagery Based on Maximum Entropy and Nonparametric Estimation. , 2006, , .		2
103	Object detection by fusion spectral and polarimetric imagery. , 2006, 6031, 90.		4
104	Source Based Small Targets Detection for Hyperspectral Imagery Using Evidential Reasoning. , 2006, , .		1
105	Adaptive polarization image fusion based on regional energy dynamic weighted average. Optoelectronics Letters, 2005, 1, 224-227.	0.4	3