

Huimin Zhao

List of Publications by Year in descending order

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47
papers

1,729
citations

430874

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276875

41
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all docs

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docs citations

47
times ranked

1573
citing authors

#	ARTICLE	IF	CITATIONS
1	EEG-Based Brain-Computer Interfaces Using Motor-Imagery: Techniques and Challenges. <i>Sensors</i> , 2019, 19, 1423.	3.8	312
2	Novel segmented stacked autoencoder for effective dimensionality reduction and feature extraction in hyperspectral imaging. <i>Neurocomputing</i> , 2016, 185, 1-10.	5.9	308
3	Unsupervised image saliency detection with Gestalt-laws guided optimization and visual attention based refinement. <i>Pattern Recognition</i> , 2018, 79, 65-78.	8.1	133
4	Novel Two-Dimensional Singular Spectrum Analysis for Effective Feature Extraction and Data Classification in Hyperspectral Imaging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 4418-4433.	6.3	132
5	Effective Denoising and Classification of Hyperspectral Images Using Curvelet Transform and Singular Spectrum Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 119-133.	6.3	102
6	Cognitive Fusion of Thermal and Visible Imagery for Effective Detection and Tracking of Pedestrians in Videos. <i>Cognitive Computation</i> , 2018, 10, 94-104.	5.2	67
7	Joint bilateral filtering and spectral similarity-based sparse representation: A generic framework for effective feature extraction and data classification in hyperspectral imaging. <i>Pattern Recognition</i> , 2018, 77, 316-328.	8.1	59
8	MIMR-DGSA: Unsupervised hyperspectral band selection based on information theory and a modified discrete gravitational search algorithm. <i>Information Fusion</i> , 2019, 51, 189-200.	19.1	59
9	Deep Learning Local Descriptor for Image Splicing Detection and Localization. <i>IEEE Access</i> , 2020, 8, 25611-25625.	4.2	56
10	Face Detection and Segmentation Based on Improved Mask R-CNN. <i>Discrete Dynamics in Nature and Society</i> , 2020, 2020, 1-11.	0.9	47
11	Potential of UV and SWIR hyperspectral imaging for determination of levels of phenolic flavour compounds in peated barley malt. <i>Food Chemistry</i> , 2019, 270, 105-112.	8.2	33
12	SpaSSA: Superpixelwise Adaptive SSA for Unsupervised Spatial-Spectral Feature Extraction in Hyperspectral Image. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 6158-6169.	9.5	33
13	A Novel Multi-Stage Residual Feature Fusion Network for Detection of COVID-19 in Chest X-Ray Images. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2022, 8, 17-27.	2.1	29
14	Fast Implementation of Singular Spectrum Analysis for Effective Feature Extraction in Hyperspectral Imaging. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 2845-2853.	4.9	28
15	GaitSlice: A gait recognition model based on spatio-temporal slice features. <i>Pattern Recognition</i> , 2022, 124, 108453.	8.1	25
16	Fast implementation of two-dimensional singular spectrum analysis for effective data classification in hyperspectral imaging. <i>Journal of the Franklin Institute</i> , 2018, 355, 1733-1751.	3.4	23
17	A Novel Intelligent Computational Approach to Model Epidemiological Trends and Assess the Impact of Non-Pharmacological Interventions for COVID-19. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 3551-3563.	6.3	22
18	Adaptive Distance-Based Band Hierarchy (ADBH) for Effective Hyperspectral Band Selection. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 215-227.	9.5	20

#	ARTICLE	IF	CITATIONS
19	Novel Gumbel-Softmax Trick Enabled Concrete Autoencoder With Entropy Constraints for Unsupervised Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	17
20	Fusion of Infrared and Visible Images for Remote Detection of Low-Altitude Slow-Speed Small Targets. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2971-2983.	4.9	17
21	Adaptive Binarization of QR Code Images for Fast Automatic Sorting in Warehouse Systems. Sensors, 2019, 19, 5466.	3.8	16
22	Nondestructive Phenolic Compounds Measurement and Origin Discrimination of Peated Barley Malt Using Near-Infrared Hyperspectral Imagery and Machine Learning. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	16
23	Hierarchical and multi-featured fusion for effective gait recognition under variable scenarios. Pattern Analysis and Applications, 2016, 19, 905-917.	4.6	15
24	Salient Superpixel Visual Tracking with Graph Model and Iterative Segmentation. Cognitive Computation, 2021, 13, 821-832.	5.2	14
25	Triple loss for hard face detection. Neurocomputing, 2020, 398, 20-30.	5.9	13
26	Iterative Enhanced Multivariance Products Representation for Effective Compression of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9569-9584.	6.3	13
27	Fast Restoration for Out-of-Focus Blurred Images of QR Code With Edge Prior Information via Image Sensing. IEEE Sensors Journal, 2021, 21, 18222-18236.	4.7	13
28	Deep Learning Based Proactive Caching for Effective WSN-Enabled Vision Applications. Complexity, 2019, 2019, 1-12.	1.6	11
29	Hyperspectral image reconstruction using Multi-colour and Time-multiplexed LED illumination. Optics and Lasers in Engineering, 2019, 121, 352-357.	3.8	10
30	Hybrid Low-Order and Higher-Order Graph Convolutional Networks. Computational Intelligence and Neuroscience, 2020, 2020, 1-9.	1.7	10
31	Multiscale 2-D Singular Spectrum Analysis and Principal Component Analysis for Spatial "Spectral Noise-Robust Feature Extraction and Classification of Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1233-1245.	4.9	9
32	A multivariate intersection over union of SiamRPN network for visual tracking. Visual Computer, 2022, 38, 2739-2750.	3.5	9
33	A New Cost Function for Spatial Image Steganography Based on 2D-SSA and WMF. IEEE Access, 2021, 9, 30604-30614.	4.2	9
34	Customized 2D Barcode Sensing for Anti-Counterfeiting Application in Smart IoT with Fast Encoding and Information Hiding. Sensors, 2020, 20, 4926.	3.8	8
35	Fast Blind Deblurring of QR Code Images Based on Adaptive Scale Control. Mobile Networks and Applications, 2021, 26, 2472-2487.	3.3	8
36	Multi-segment Majority Voting Decision Fusion for MI EEG Brain-Computer Interfacing. Cognitive Computation, 2021, 13, 1484-1495.	5.2	8

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37	Deep Background Subtraction of Thermal and Visible Imagery for Pedestrian Detection in Videos. Lecture Notes in Computer Science, 2018, , 75-84.	1.3	6
38	Fuzzy Matching Template Attacks on Multivariate Cryptography: A Case Study. Discrete Dynamics in Nature and Society, 2020, 2020, 1-11.	0.9	4
39	Fusion of Thermal and Visible Imagery for Effective Detection and Tracking of Salient Objects in Videos. Lecture Notes in Computer Science, 2016, , 697-704.	1.3	3
40	SPRBF-ABLs: a novel attention-based broad learning systems with sparse polynomial-based radial basis function neural networks. Journal of Intelligent Manufacturing, 2023, 34, 1779-1794.	7.3	3
41	Multiscale Spatial Fusion and Regularization Induced Unsupervised Auxiliary Task CNN Model for Deep Super-Resolution of Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4583-4598.	4.9	3
42	IR-Capsule: Two-Stream Network for Face Forgery Detection. Cognitive Computation, 2023, 15, 13-22.	5.2	3
43	Real-Time Visual Tracking Base on SiamRPN with Generalized Intersection over Union. Lecture Notes in Computer Science, 2020, , 96-105.	1.3	2
44	An Algorithm for Tight Frame Grouplet to Compute Association Fields. Lecture Notes in Computer Science, 2017, , 187-196.	1.3	1
45	Research on Color Image Segmentation. Lecture Notes in Computer Science, 2017, , 27-35.	1.3	0
46	Salient Superpixel Visual Tracking with Coarse-to-Fine Segmentation and Manifold Ranking. Lecture Notes in Computer Science, 2018, , 430-440.	1.3	0
47	Incremental learning-based visual tracking with weighted discriminative dictionaries. International Journal of Advanced Robotic Systems, 2019, 16, 172988141989015.	2.1	0