

Huimin Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5687018/publications.pdf>

Version: 2024-02-01

47
papers

1,729
citations

430874

18
h-index

276875

41
g-index

47
all docs

47
docs citations

47
times ranked

1573
citing authors

#	ARTICLE	IF	CITATIONS
1	SPRBF-ABLS: a novel attention-based broad learning systems with sparse polynomial-based radial basis function neural networks. <i>Journal of Intelligent Manufacturing</i> , 2023, 34, 1779-1794.	7.3	3
2	IR-Capsule: Two-Stream Network for Face Forgery Detection. <i>Cognitive Computation</i> , 2023, 15, 13-22.	5.2	3
3	Adaptive Distance-Based Band Hierarchy (ADBH) for Effective Hyperspectral Band Selection. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 215-227.	9.5	20
4	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
5	Novel Gumbel-Softmax Trick Enabled Concrete Autoencoder With Entropy Constraints for Unsupervised Hyperspectral Band Selection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	6.3	17
6	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
7	A multivariate intersection over union of SiamRPN network for visual tracking. <i>Visual Computer</i> , 2022, 38, 2739-2750.	3.5	9
8	GaitSlice: A gait recognition model based on spatio-temporal slice features. <i>Pattern Recognition</i> , 2022, 124, 108453.	8.1	25
9	Multiscale Spatial Fusion and Regularization Induced Unsupervised Auxiliary Task CNN Model for Deep Super-Resolution of Hyperspectral Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 4583-4598.	4.9	3
10	Salient Superpixel Visual Tracking with Graph Model and Iterative Segmentation. <i>Cognitive Computation</i> , 2021, 13, 821-832.	5.2	14
11	Multiscale 2-D Singular Spectrum Analysis and Principal Component Analysis for Spatial-Spectral Noise-Robust Feature Extraction and Classification of Hyperspectral Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 1233-1245.	4.9	9
12	Nondestructive Phenolic Compounds Measurement and Origin Discrimination of Peated Barley Malt Using Near-Infrared Hyperspectral Imagery and Machine Learning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-15.	4.7	16
13	Iterative Enhanced Multivariate Products Representation for Effective Compression of Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 9569-9584.	6.3	13
14	Fast Blind Deblurring of QR Code Images Based on Adaptive Scale Control. <i>Mobile Networks and Applications</i> , 2021, 26, 2472-2487.	3.3	8
15	Fast Restoration for Out-of-Focus Blurred Images of QR Code With Edge Prior Information via Image Sensing. <i>IEEE Sensors Journal</i> , 2021, 21, 18222-18236.	4.7	13
16	Fusion of Infrared and Visible Images for Remote Detection of Low-Altitude Slow-Speed Small Targets. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 2971-2983.	4.9	17
17	A New Cost Function for Spatial Image Steganography Based on 2D-SSA and WMF. <i>IEEE Access</i> , 2021, 9, 30604-30614.	4.2	9
18	Multi-segment Majority Voting Decision Fusion for MI EEG Brain-Computer Interfacing. <i>Cognitive Computation</i> , 2021, 13, 1484-1495.	5.2	8

#	ARTICLE	IF	CITATIONS
19	A Novel Intelligent Computational Approach to Model Epidemiological Trends and Assess the Impact of Non-Pharmacological Interventions for COVID-19. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3551-3563.	6.3	22
20	Hybrid Low-Order and Higher-Order Graph Convolutional Networks. Computational Intelligence and Neuroscience, 2020, 2020, 1-9.	1.7	10
21	Customized 2D Barcode Sensing for Anti-Counterfeiting Application in Smart IoT with Fast Encoding and Information Hiding. Sensors, 2020, 20, 4926.	3.8	8
22	Face Detection and Segmentation Based on Improved Mask R-CNN. Discrete Dynamics in Nature and Society, 2020, 2020, 1-11.	0.9	47
23	Fuzzy Matching Template Attacks on Multivariate Cryptography: A Case Study. Discrete Dynamics in Nature and Society, 2020, 2020, 1-11.	0.9	4
24	Triple loss for hard face detection. Neurocomputing, 2020, 398, 20-30.	5.9	13
25	Deep Learning Local Descriptor for Image Splicing Detection and Localization. IEEE Access, 2020, 8, 25611-25625.	4.2	56
26	Real-Time Visual Tracking Base on SiamRPN with Generalized Intersection over Union. Lecture Notes in Computer Science, 2020, , 96-105.	1.3	2
27	Potential of LIV and SWIR hyperspectral imaging for determination of levels of phenolic flavour compounds in peated barley malt. Food Chemistry, 2019, 270, 105-112.	8.2	33
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	EEG-Based Brain-Computer Interfaces Using Motor-Imagery: Techniques and Challenges. Sensors, 2019, 19, 1423.	3.8	312
31	MIMR-DGSA: Unsupervised hyperspectral band selection based on information theory and a modified discrete gravitational search algorithm. Information Fusion, 2019, 51, 189-200.	19.1	59
32	Adaptive Binarization of QR Code Images for Fast Automatic Sorting in Warehouse Systems. Sensors, 2019, 19, 5466.	3.8	16
33	Incremental learning-based visual tracking with weighted discriminative dictionaries. International Journal of Advanced Robotic Systems, 2019, 16, 172988141989015.	2.1	0
34	Unsupervised image saliency detection with Gestalt-laws guided optimization and visual attention based refinement. Pattern Recognition, 2018, 79, 65-78.	8.1	133
35	Cognitive Fusion of Thermal and Visible Imagery for Effective Detection and Tracking of Pedestrians in Videos. Cognitive Computation, 2018, 10, 94-104.	5.2	67
36	Fast implementation of two-dimensional singular spectrum analysis for effective data classification in hyperspectral imaging. Journal of the Franklin Institute, 2018, 355, 1733-1751.	3.4	23

#	ARTICLE	IF	CITATIONS
37	Joint bilateral filtering and spectral similarity-based sparse representation: A generic framework for effective feature extraction and data classification in hyperspectral imaging. Pattern Recognition, 2018, 77, 316-328.	8.1	59
38	Salient Superpixel Visual Tracking with Coarse-to-Fine Segmentation and Manifold Ranking. Lecture Notes in Computer Science, 2018, , 430-440.	1.3	0
39	Deep Background Subtraction of Thermal and Visible Imagery for Pedestrian Detection in Videos. Lecture Notes in Computer Science, 2018, , 75-84.	1.3	6
40	Effective Denoising and Classification of Hyperspectral Images Using Curvelet Transform and Singular Spectrum Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 119-133.	6.3	102
41	Research on Color Image Segmentation. Lecture Notes in Computer Science, 2017, , 27-35.	1.3	0
42	An Algorithm for Tight Frame Grouplet to Compute Association Fields. Lecture Notes in Computer Science, 2017, , 187-196.	1.3	1
43	Novel segmented stacked autoencoder for effective dimensionality reduction and feature extraction in hyperspectral imaging. Neurocomputing, 2016, 185, 1-10.	5.9	308
44	Hierarchical and multi-featured fusion for effective gait recognition under variable scenarios. Pattern Analysis and Applications, 2016, 19, 905-917.	4.6	15
45	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
46	Novel Two-Dimensional Singular Spectrum Analysis for Effective Feature Extraction and Data Classification in Hyperspectral Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4418-4433.	6.3	132
47	Fast Implementation of Singular Spectrum Analysis for Effective Feature Extraction in Hyperspectral Imaging. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2845-2853.	4.9	28