Shyh Wei Teng

List of Publications by Year
in descending order

60 papers	616 citations	623734 14 h-index	677142 22 g-index
61 all docs	61 docs citations	61 times ranked	497 citing authors

#	Article	IF	Citations
1	Integrated generalized zero-shot learning for fine-grained classification. Pattern Recognition, 2022, 122, 108246.	8.1	14
2	Bidirectional Mapping Coupled GAN for Generalized Zero-Shot Learning. IEEE Transactions on Image Processing, 2022, 31, 721-733.	9.8	4
3	Auto‐identification of two <i>Sitophilus</i> sibling species on stored wheat using deep convolutional neural network. Pest Management Science, 2022, 78, 1925-1937.	3.4	4
4	Adversarial Network With Multiple Classifiers for Open Set Domain Adaptation. IEEE Transactions on Multimedia, 2021, 23, 2732-2744.	7.2	42
5	A novel fusion approach in the extraction of kernel descriptor with improved effectiveness and efficiency. Multimedia Tools and Applications, 2021, 80, 14545-14564.	3.9	1
6	Robust Image Classification Using a Low-Pass Activation Function and DCT Augmentation. IEEE Access, 2021, 9, 86460-86474.	4.2	7
7	Rice Freshness Identification Based on Visible Near-Infrared Spectroscopy and Colorimetric Sensor Array. Food Analytical Methods, 2021, 14, 1305-1314.	2.6	16
8	Network Representation Learning: From Traditional Feature Learning to Deep Learning. IEEE Access, 2020, 8, 205600-205617.	4.2	20
9	An Enhanced Local Texture Descriptor for Image Segmentation. , 2020, , .		1
10	An Enhancement to the Spatial Pyramid Matching for Image Classification and Retrieval. IEEE Access, 2020, 8, 22463-22472.	4.2	3
11	Distortion Robust Image Classification Using Deep Convolutional Neural Network with Discrete Cosine Transform. , 2019, , .		16
12	Improved Image Analysis Methodology for Detecting Changes in Evidence Positioning at Crime Scenes. , 2019, , .		2
13	Enhanced Transfer Learning with ImageNet Trained Classification Layer. Lecture Notes in Computer Science, 2019, , 142-155.	1.3	15
14	BackNet: An Enhanced Backbone Network for Accurate Detection of Objects with Large Scale Variations. Lecture Notes in Computer Science, 2019, , 52-64.	1.3	0
15	Hierarchical Colour Image Segmentation by Leveraging RGB Channels Independently. Lecture Notes in Computer Science, 2019, , 197-210.	1.3	0
16	Enhancing image registration performance by incorporating distribution and spatial distance of local descriptors. Pattern Recognition Letters, 2018, 103, 46-52.	4.2	7
17	COREG: a corner based registration technique for multimodal images. Multimedia Tools and Applications, 2018, 77, 12607-12634.	3.9	9
18	A detector of structural similarity for multi-modal microscopic image registration. Multimedia Tools and Applications, 2018, 77, 7675-7701.	3.9	2

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19	A Novel Perceptual Dissimilarity Measure for Image Retrieval. , 2018, , .		4
20	A Kernel-Based Approach for Content-Based Image Retrieval. , 2018, , .		3
21	Cuboid Colour Image Segmentation Using Intuitive Distance Measure. , 2018, , .		4
22	Image Clustering Using a Similarity Measure Incorporating Human Perception. , 2018, , .		0
23	Enhanced Colour Image Retrieval with Cuboid Segmentation. , 2018, , .		8
24	Enhancing the Effectiveness of Local Descriptor Based Image Matching. , 2018, , .		0
25	Improved Tamura Features for Image Classification Using Kernel Based Descriptors. , 2017, , .		13
26	Cuboid Segmentation for Effective Image Retrieval. , 2017, , .		15
27	A Robust Gradient Based Method for Building Extraction from LiDAR and Photogrammetric Imagery. Sensors, 2016, 16, 1110.	3.8	22
28	A New Building Mask Using the Gradient of Heights for Automatic Building Extraction. , 2016, , .		0
29	Combining Pyramid Match Kernel and Spatial Pyramid for Image Classification. , 2016, , .		1
30	Enhancing SIFT-based image registration performance by building and selecting highly discriminating descriptors. Pattern Recognition Letters, 2016, 84, 156-162.	4.2	26
31	Rotation Invariant Spatial Pyramid Matching for Image Classification. , 2015, , .		5
32	Extracting road centrelines from binary road images by optimizing geodesic lines. , 2015, , .		0
33	Multimodal image registration technique based on improved local feature descriptors. Journal of Electronic Imaging, 2015, 24, 013013.	0.9	21
34	Effective and efficient contour-based corner detectors. Pattern Recognition, 2015, 48, 2185-2197.	8.1	50
35	Automatic Extraction of Buildings in an Urban Region. , 2014, , .		0
36	A Novel Multi-Modal Image Registration Method Based on Corners. , 2014, , .		4

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37	An improved building detection in complex sites using the LIDAR height variation and point density. , 2013, , .		2
38	Detection of Structural Similarity for Multimodal Microscopic Image Registration. , 2013, , .		1
39	Maximizing structural similarity in multimodal biomedical microscopic images for effective registration. , 2013, , .		1
40	An effective method of estimating scale-invariant interest region for representing corner features. , 2012, , .		0
41	Achieving High Multi-Modal Registration Performance Using Simplified Hough-Transform with Improved Symmetric-SIFT. , 2012, , .		7
42	Improved Symmetric-SIFT for Multi-modal Image Registration. , 2011, , .		28
43	Feature-subspace aggregating: ensembles for stable andÂunstable learners. Machine Learning, 2011, 82, 375-397.	5.4	41
44	A general stochastic clustering method for automatic cluster discovery. Pattern Recognition, 2011, 44, 2786-2799.	8.1	25
45	Simplifying and improving ant-based clustering. Procedia Computer Science, 2011, 4, 46-55.	2.0	10
46	Texture classification using multimodal Invariant Local Binary Pattern. , 2011, , .		8
47	PTP1B regulates Eph receptor function and trafficking. Journal of Cell Biology, 2010, 191, 1189-1203.	5.2	66
48	An Enhancement to SIFT-Based Techniques for Image Registration. , 2010, , .		7
49	Image registration using modified Local Ternary Pattern. , 2010, , .		0
50	A Comparative Study of a Practical Stochastic Clustering Method with Traditional Methods. Lecture Notes in Computer Science, 2010, , 112-121.	1.3	1
51	Degree of differential prioritization. IEEE Engineering in Medicine and Biology Magazine, 2009, 28, 45-51.	0.8	0
52	FaSS: Ensembles for Stable Learners. Lecture Notes in Computer Science, 2009, , 364-374.	1.3	0
53	Issues of grid-cluster retrievals in swarm-based clustering. , 2008, , .		1
54	A Study on the Importance of Differential Prioritization in Feature Selection Using Toy Datasets. Lecture Notes in Computer Science, 2008, , 311-322.	1.3	0

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55	Characteristics of predictor sets found using differential prioritization. Algorithms for Molecular Biology, 2007, 2, 7.	1.2	3
56	Image indexing and retrieval based on vector quantization. Pattern Recognition, 2007, 40, 3299-3316.	8.1	22
57	Differential prioritization in feature selection and classifier aggregation for multiclass microarray datasets. Data Mining and Knowledge Discovery, 2007, 14, 329-366.	3.7	20
58	Differential prioritization between relevance and redundancy in correlation-based feature selection techniques for multiclass gene expression data. BMC Bioinformatics, 2006, 7, 320.	2.6	28
59	OVA Scheme vs. Single Machine Approach in Feature Selection for Microarray Datasets. Lecture Notes in Computer Science, 2006, , 10-23.	1.3	1
60	Investigating the Class-Specific Relevance of Predictor Sets Obtained from DDP-Based Feature Selection Technique. Lecture Notes in Computer Science, 2006, , 60-70.	1.3	0