

Jing-Hao Xue

List of Publications by Year in descending order

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73
papers

2,610
citations

218381

26
h-index

197535

49
g-index

73
all docs

73
docs citations

73
times ranked

2721
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning for Single Image Super-Resolution: A Brief Review. IEEE Transactions on Multimedia, 2019, 21, 3106-3121.	5.2	616
2	GAN Inversion: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-17.	9.7	109
3	Median-based image thresholding. Image and Vision Computing, 2011, 29, 631-637.	2.7	108
4	FV-GAN: Finger Vein Representation Using Generative Adversarial Networks. IEEE Transactions on Information Forensics and Security, 2019, 14, 2512-2524.	4.5	89
5	Decorrelation of Neutral Vector Variables: Theory and Applications. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 129-143.	7.2	87
6	BSNet: Bi-Similarity Network for Few-shot Fine-grained Image Classification. IEEE Transactions on Image Processing, 2021, 30, 1318-1331.	6.0	78
7	$\$t$ -Tests, $\$F$ -Tests and Otsu's Methods for Image Thresholding. IEEE Transactions on Image Processing, 2011, 20, 2392-2396.	6.0	75
8	SPSIM: A Superpixel-Based Similarity Index for Full-Reference Image Quality Assessment. IEEE Transactions on Image Processing, 2018, 27, 4232-4244.	6.0	75
9	A concise review of recent few-shot meta-learning methods. Neurocomputing, 2021, 456, 463-468.	3.5	68
10	An integrated method of adaptive enhancement for unsupervised segmentation of MRI brain images. Pattern Recognition Letters, 2003, 24, 2549-2560.	2.6	63
11	A novel hierarchical framework for human action recognition. Pattern Recognition, 2016, 55, 148-159.	5.1	61
12	Denoising of Hyperspectral Images Using Group Low-Rank Representation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4420-4427.	2.3	55
13	Comment on "On Discriminative vs. Generative Classifiers: A Comparison of Logistic Regression and Naive Bayes". Neural Processing Letters, 2008, 28, 169-187.	2.0	54
14	Do unbalanced data have a negative effect on LDA?. Pattern Recognition, 2008, 41, 1558-1571.	5.1	52
15	Ridler and Calvard's, Kittler and Illingworth's and Otsu's methods for image thresholding. Pattern Recognition Letters, 2012, 33, 793-797.	2.6	51
16	Spectral Nonlocal Restoration of Hyperspectral Images With Low-Rank Property. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3062-3067.	2.3	49
17	A Polarization-Imaging-Based Machine Learning Framework for Quantitative Pathological Diagnosis of Cervical Precancerous Lesions. IEEE Transactions on Medical Imaging, 2021, 40, 3728-3738.	5.4	49
18	Why Does Rebalancing Class-Unbalanced Data Improve AUC for Linear Discriminant Analysis?. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1109-1112.	9.7	48

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19	Non-Local Aggregation for RGB-D Semantic Segmentation. IEEE Signal Processing Letters, 2021, 28, 658-662.	2.1	48
20	Adjusting the imbalance ratio by the dimensionality of imbalanced data. Pattern Recognition Letters, 2020, 133, 217-223.	2.6	47
21	Image-text dual neural network with decision strategy for small-sample image classification. Neurocomputing, 2019, 328, 182-188.	3.5	42
22	Semantic-Aware Occlusion-Robust Network for Occluded Person Re-Identification. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2764-2778.	5.6	41
23	Ripple-GAN: Lane Line Detection With Ripple Lane Line Detection Network and Wasserstein GAN. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1532-1542.	4.7	38
24	An $\hat{\pm}$ -Matte Boundary Defocus Model-Based Cascaded Network for Multi-Focus Image Fusion. IEEE Transactions on Image Processing, 2020, 29, 8668-8679.	6.0	36
25	Hyperspectral and Multispectral Image Fusion Using Optimized Twin Dictionaries. IEEE Transactions on Image Processing, 2020, 29, 4709-4720.	6.0	32
26	Segmenting Multi-Source Images Using Hidden Markov Fields With Copula-Based Multivariate Statistical Distributions. IEEE Transactions on Image Processing, 2017, 26, 3187-3195.	6.0	27
27	Insights Into Multiple/Single Lower Bound Approximation for Extended Variational Inference in Non-Gaussian Structured Data Modeling. IEEE Transactions on Neural Networks and Learning Systems, 2019, 31, 1-15.	7.2	26
28	Knowledge-based segmentation and labeling of brain structures from MRI images. Pattern Recognition Letters, 2001, 22, 395-405.	2.6	24
29	Defocus Image Deblurring Network With Defocus Map Estimation as Auxiliary Task. IEEE Transactions on Image Processing, 2022, 31, 216-226.	6.0	24
30	Matched Shrunken Cone Detector (MSCD): Bayesian Derivations and Case Studies for Hyperspectral Target Detection. IEEE Transactions on Image Processing, 2017, 26, 5447-5461.	6.0	23
31	Stage-Aware Feature Alignment Network for Real-Time Semantic Segmentation of Street Scenes. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4444-4459.	5.6	22
32	OSLNet: Deep Small-Sample Classification With an Orthogonal Softmax Layer. IEEE Transactions on Image Processing, 2020, 29, 6482-6495.	6.0	21
33	IncDet: In Defense of Elastic Weight Consolidation for Incremental Object Detection. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2306-2319.	7.2	21
34	Deep Multi-Task Multi-Label CNN for Effective Facial Attribute Classification. IEEE Transactions on Affective Computing, 2022, 13, 818-828.	5.7	20
35	Efficient Semantic Segmentation via Self-Attention and Self-Distillation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15256-15266.	4.7	19
36	MvSSIM: A quality assessment index for hyperspectral images. Neurocomputing, 2018, 272, 250-257.	3.5	17

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37	GenDet: Meta Learning to Generate Detectors From Few Shots. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3448-3460.	7.2	17
38	LRID: A new metric of multi-class imbalance degree based on likelihood-ratio test. Pattern Recognition Letters, 2018, 116, 36-42.	2.6	16
39	Data-augmented matched subspace detector for hyperspectral subpixel target detection. Pattern Recognition, 2020, 106, 107464.	5.1	16
40	Deep Learning in Lane Marking Detection: A Survey. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5976-5992.	4.7	16
41	Class-Variant Margin Normalized Softmax Loss for Deep Face Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4742-4747.	7.2	14
42	Learning Local Metrics and Influential Regions for Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 1522-1529.	9.7	12
43	Defocus map estimation from a single image using improved likelihood feature and edge-based basis. Pattern Recognition, 2020, 107, 107485.	5.1	12
44	Polarization-based probabilistic discriminative model for quantitative characterization of cancer cells. Biomedical Optics Express, 2022, 13, 3339.	1.5	12
45	Cone-based joint sparse modelling for hyperspectral image classification. Signal Processing, 2018, 144, 417-429.	2.1	11
46	On Hypothesis Testing for Comparing Image Quality Assessment Metrics [Tips & Tricks]. IEEE Signal Processing Magazine, 2018, 35, 133-136.	4.6	11
47	Unsupervised multi-domain multimodal image-to-image translation with explicit domain-constrained disentanglement. Neural Networks, 2020, 131, 50-63.	3.3	11
48	An Equalized Margin Loss for Face Recognition. IEEE Transactions on Multimedia, 2020, 22, 2833-2843.	5.2	11
49	On the orthogonal distance to class subspaces for high-dimensional data classification. Information Sciences, 2017, 417, 262-273.	4.0	10
50	Spectral Super-resolution for RGB Images using Class-based BP Neural Networks. , 2018, , .		10
51	Real-MFF: A large realistic multi-focus image dataset with ground truth. Pattern Recognition Letters, 2020, 138, 370-377.	2.6	10
52	Domain Fingerprints for No-Reference Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1332-1341.	5.6	9
53	SSL++: Improving Self-Supervised Learning by Mitigating the Proxy Task-Specificity Problem. IEEE Transactions on Image Processing, 2022, 31, 1134-1148.	6.0	9
54	Building a discriminatively ordered subspace on the generating matrix to classify high-dimensional spectral data. Information Sciences, 2017, 382-383, 1-14.	4.0	8

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55	Hyperspectral image denoising based on low-rank coefficients and orthonormal dictionary. Signal Processing, 2020, 177, 107738.	2.1	8
56	On the Comparisons of Decorrelation Approaches for Non-Gaussian Neutral Vector Variables. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1823-1837.	7.2	8
57	Cali-sketch: Stroke calibration and completion for high-quality face image generation from human-like sketches. Neurocomputing, 2021, 460, 256-265.	3.5	8
58	Inter-class angular margin loss for face recognition. Signal Processing: Image Communication, 2020, 80, 115636.	1.8	7
59	A Spectral Spatial Jointed Spectral Super-Resolution and Its Application to HJ-1A Satellite Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	7
60	Bi-Stream Pose-Guided Region Ensemble Network for Fingertip Localization From Stereo Images. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5153-5165.	7.2	6
61	ReMarNet: Conjoint Relation and Margin Learning for Small-Sample Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1569-1579.	5.6	6
62	Constrained mutual convex cone method for image set based recognition. Pattern Recognition, 2022, 121, 108190.	5.1	6
63	MSDH: Matched subspace detector with heterogeneous noise. Pattern Recognition Letters, 2019, 125, 701-707.	2.6	5
64	DS-UI: Dual-Supervised Mixture of Gaussian Mixture Models for Uncertainty Inference in Image Recognition. IEEE Transactions on Image Processing, 2021, 30, 9208-9219.	6.0	5
65	ASSP: An adaptive sample statistics-based pooling for full-reference image quality assessment. Neurocomputing, 2022, 493, 568-582.	3.5	5
66	A Novel Separating Hyperplane Classification Framework to Unify Nearest-Class-Model Methods for High-Dimensional Data. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3866-3876.	7.2	2
67	Metric Learning for Categorical and Ambiguous Features: An Adversarial Method. Lecture Notes in Computer Science, 2021, , 223-238.	1.0	2
68	RGB Guided Depth Map Super-Resolution with Coupled U-Net. , 2021, , .		2
69	Drop Loss for Person Attribute Recognition With Imbalanced Noisy-Labeled Samples. IEEE Transactions on Cybernetics, 2023, 53, 7071-7084.	6.2	2
70	Guest Editorial Special Issue on Recent Advances in Theory, Methodology, and Applications of Imbalanced Learning. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2688-2690.	7.2	1
71	Generalisations of stochastic supervision models. Pattern Recognition, 2021, 109, 107575.	5.1	0
72	Small-Vote Sample Selection for Label-Noise Learning. Lecture Notes in Computer Science, 2021, , 729-744.	1.0	0

#	ARTICLE	IF	CITATIONS
73	When Sparse Neural Network Meets Label Noise Learning: A Multistage Learning Framework. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2208-2222.	7.2	0