Sheng Huang

List of Publications by Year
in descending order

54 papers	663 citations	687363 13 h-index	794594 19 g-index
55 all docs	55 docs citations	55 times ranked	676 citing authors

#	Article	IF	Citations
1	Adaptively Weighted k-Tuple Metric Network for Kinship Verification. IEEE Transactions on Cybernetics, 2023, 53, 6173-6186.	9.5	4
2	An Iteratively Optimized Patch Label Inference Network for Automatic Pavement Distress Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8652-8661.	8.0	19
3	Low-resolution assisted three-stream network for person re-identification. Visual Computer, 2022, 38, 2515-2525.	3.5	7
4	Multi-Label Image Classification via Category Prototype Compositional Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4513-4525.	8.3	13
5	EANet: Iterative edge attention network for medical image segmentation. Pattern Recognition, 2022, 127, 108636.	8.1	42
6	Boosting Multi-Label Image Classification with Complementary Parallel Self-Distillation. , 2022, , .		5
7	Efficient pavement distress classification via deep patch soft selective learning and knowledge distillation. Electronics Letters, 2022, 58, 693-695.	1.0	1
8	DFDM: A Deep Feature Decoupling Module for Lung Nodule Segmentation. , 2021, , .		5
9	Realistic Lung Nodule Synthesis With Multi-Target Co-Guided Adversarial Mechanism. IEEE Transactions on Medical Imaging, 2021, 40, 2343-2353.	8.9	14
10	Learning to Recognize Thoracic Disease in Chest X-Rays With Knowledge-Guided Deep Zoom Neural Networks. IEEE Access, 2020, 8, 159790-159805.	4.2	14
11	Frontispiece: Nanostructures for Electrocatalytic CO_2 Reduction. Chemistry - A European Journal, 2020, 26, .	3.3	0
12	Knowledge-Guided And Hyper-Attention Aware Joint Network For Benign-Malignant Lung Nodule Classification. , 2020, , .		2
13	CTF-Net: Retinal Vessel Segmentation via Deep Coarse-To-Fine Supervision Network. , 2020, , .		22
14	Class-Prototype Discriminative Network for Generalized Zero-Shot Learning. IEEE Signal Processing Letters, 2020, 27, 301-305.	3.6	10
15	Nanostructures for Electrocatalytic CO_2 Reduction. Chemistry - A European Journal, 2020, 26, 14024-14035.	3.3	26
16	Corner detection using the pointâ€toâ€centroid distance technique. IET Image Processing, 2020, 14, 3385-3392.	2.5	6
17	Discriminative Probabilistic Latent Semantic Analysis with Application to Single Sample Face Recognition. Neural Processing Letters, 2019, 49, 1273-1298.	3.2	11
18	Collaborative Representation Guided Graph Learning for Visual Classification. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Corner detection based on tangent-to-point distance accumulation technique. Multimedia Tools and Applications, 2019, 78, 25685-25706.	3.9	4
20	Clustering With Orthogonal AutoEncoder. IEEE Access, 2019, 7, 62421-62432.	4.2	28
21	KGZNet:Knowledge-Guided Deep Zoom Neural Networks for Thoracic Disease Classification. , 2019, , .		2
22	Study on Specific and Non-Specific Interactions Between BSA and Anti-BSA in Fluoroquinolone Antibiotic Solution by AFM. Journal of Nanoscience and Nanotechnology, 2019, 19, 7584-7590.	0.9	4
23	Background Modeling by Stability of Adaptive Features in Complex Scenes. IEEE Transactions on Image Processing, 2018, 27, 1112-1125.	9.8	17
24	Improved hypergraph regularized Nonnegative Matrix Factorization with sparse representation. Pattern Recognition Letters, 2018, 102, 8-14.	4.2	16
25	Joint Deep Learning for RGB-D Action Recognition. , 2018, , .		1
26	Residual Inception: A New Module Combining Modified Residual with Inception to Improve Network Performance. , 2018, , .		10
27	Self-assembled nanoparticles for cellular delivery of peptide nucleic acid using amphiphilic N,N,N-trimethyl-O-alkyl chitosan derivatives. Journal of Materials Science: Materials in Medicine, 2018, 29, 114.	3.6	10
28	Robust corner detection using the eigenvector-based angle estimator. Journal of Visual Communication and Image Representation, 2017, 45, 181-193.	2.8	14
29	On the effect of hyperedge weights on hypergraph learning. Image and Vision Computing, 2017, 57, 89-101.	4.5	20
30	Robust face alignment with cascaded coarse-to-fine auto-encoder network. , 2017, , .		0
31	Cascaded K-means convolutional feature learner and its application to face recognition. Journal of Electronic Imaging, 2017, 26, 1.	0.9	1
32	Sparse graph-based inductive learning with its application to image classification. Journal of Electronic Imaging, 2016, 25, 050502.	0.9	1
33	Joint Local Regressors Learning for Face Alignment. Neurocomputing, 2016, 208, 262-268.	5.9	5
34	Discriminant Hyper-Laplacian Projections and its scalable extension for dimensionality reduction. Neurocomputing, 2016, 173, 145-153.	5.9	15
35	Collaborative Graph Embedding: A Simple Way to Generally Enhance Subspace Learning Algorithms. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1835-1845.	8.3	3
36	Background Subtraction Based on Superpixels Under Multi-scale in Complex Scenes. Communications in Computer and Information Science, 2016, , 392-403.	0.5	8

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37	Learning Hypergraph-regularized Attribute Predictors. , 2015, , .		78
38	Corner detection using Chebyshev fitting-based continuous curvature estimation. Electronics Letters, 2015, 51, 1988-1990.	1.0	10
39	Corner detection using arc length-based angle estimator. Journal of Electronic Imaging, 2015, 24, 063010.	0.9	2
40	Weather classification with deep convolutional neural networks. , 2015, , .		70
41	Graph regularized linear discriminant analysis and its generalization. Pattern Analysis and Applications, 2015, 18, 639-650.	4.6	8
42	Class specific sparse representation for classification. Signal Processing, 2015, 116, 38-42.	3.7	32
43	Combined supervised information with PCA via discriminative component selection. Information Processing Letters, 2015, 115, 812-816.	0.6	10
44	Sparse graph-based transduction for image classification. Journal of Electronic Imaging, 2015, 24, 023007.	0.9	3
45	Unbalanced graph-based transduction on superpixels for automatic cervigram image segmentation. , 2015, , .		7
46	Cross-Speed Gait Recognition Using Speed-Invariant Gait Templates and Globality–Locality Preserving Projections. IEEE Transactions on Information Forensics and Security, 2015, 10, 2071-2083.	6.9	29
47	Mining of the Pyrrolamide Antibiotics Analogs in Streptomyces netropsis Reveals the Amidohydrolase-Dependent "Iterative Strategy" Underlying the Pyrrole Polymerization. PLoS ONE, 2014, 9, e99077.	2.5	15
48	Shape primitive histogram: low-level face representation for face recognition. IET Biometrics, 2014, 3, 325-334.	2.5	0
49	Improving non-negative matrix factorization via ranking its bases. , 2014, , .		2
50	Two dimensional non-negative sparse Partial Least Squares for face recognition. , 2014, , .		0
51	Globality-Locality Preserving Projections for Biometric Data Dimensionality Reduction. , 2014, , .		20
52	Discriminant Hyper-Laplacian projections with its application to face recognition. , 2014, , .		6
53	Robust face recognition via gradient-based sparse representation. Journal of Electronic Imaging, 2013, 22, 013018.	0.9	7
54	Learning Speed Invariant Gait Template via Thin Plate Spline Kernel Manifold Fitting. , 2013, , .		3