Wenming Yang

List of Publications by Year
in descending order

59 papers	1,443 citations	759233 12 h-index	434195 31 g-index
59 all docs	59 docs citations	59 times ranked	1521 citing authors

#	Article	IF	Citations
1	Bi-RSTU: Bidirectional Recurrent Upsampling Network for Space-Time Video Super-Resolution. IEEE Transactions on Multimedia, 2023, 25, 4742-4751.	7.2	1
2	MDAN: Mirror Difference Aware Network for Brain Stroke Lesion Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1628-1639.	6.3	8
3	Self-Supervised Representation Learning for Videos by Segmenting via Sampling Rate Order Prediction. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3475-3489.	8.3	8
4	GenDet: Meta Learning to Generate Detectors From Few Shots. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3448-3460.	11.3	17
5	Heterogeneous Attention Nested U-Shaped Network for Blur Detection. IEEE Signal Processing Letters, 2022, 29, 140-144.	3.6	4
6	Lightweight Single Image Super-Resolution With Similar Feature Fusion Block. IEEE Access, 2022, 10, 30974-30981.	4.2	3
7	Frontal-Centers Guided Face: Boosting Face Recognition by Learning Pose-Invariant Features. IEEE Transactions on Information Forensics and Security, 2022, 17, 2272-2283.	6.9	4
8	S^{2}Net: Shadow Mask-Based Semantic-Aware Network for Single-Image Shadow Removal. IEEE Transactions on Consumer Electronics, 2022, 68, 209-220.	3.6	2
9	Exploiting Multiperspective Driven Hierarchical Content-Aware Network for Finger Vein Verification. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7938-7950.	8.3	4
10	R^{2}Net: Relight the restored low-light image based on complementarity of illumination and reflection. Signal Processing: Image Communication, 2022, 108, 116800.	3.2	1
11	Class-Variant Margin Normalized Softmax Loss for Deep Face Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4742-4747.	11.3	14
12	IncDet: In Defense of Elastic Weight Consolidation for Incremental Object Detection. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2306-2319.	11.3	21
13	Clustering Through Probability Distribution Analysis Along Eigenpaths. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 875-884.	9.3	2
14	Adasan: Adaptive Cosine Similarity Self-Attention Network For Gastrointestinal Endoscopy Image Classification. , 2021, , .		6
15	Optimal Input Design for Active Fault Estimation of LPV Systems under Set-Theoretic Framework. , 2021, , .		0
16	RGB Guided Depth Map Super-Resolution with Coupled U-Net. , 2021, , .		2
17	Inter-class angular margin loss for face recognition. Signal Processing: Image Communication, 2020, 80, 115636.	3.2	7
18	Classifier shared deep network with multi-hierarchy loss for low resolution face recognition. Signal Processing: Image Communication, 2020, 82, 115766.	3.2	8

#	Article	IF	Citations
19	An Equalized Margin Loss for Face Recognition. IEEE Transactions on Multimedia, 2020, 22, 2833-2843.	7.2	11
20	<inline-formula> <tex-math notation="LaTeX">$alpha$ </tex-math> </inline-formula>-Trimmed Weber Representation and Cross Section Asymmetrical Coding for Human Identification Using Finger Images. IEEE Transactions on Information Forensics and Security, 2019, 14, 90-101.	6.9	14
21	Deep Learning for Single Image Super-Resolution: A Brief Review. IEEE Transactions on Multimedia, 2019, 21, 3106-3121.	7.2	616
22	Lesion Classification of Wireless Capsule Endoscopy Images. , 2019, , .		5
23	FV-GAN: Finger Vein Representation Using Generative Adversarial Networks. IEEE Transactions on Information Forensics and Security, 2019, 14, 2512-2524.	6.9	89
24	Lightweight Feature Fusion Network for Single Image Super-Resolution. IEEE Signal Processing Letters, 2019, 26, 538-542.	3.6	46
25	Margin Loss: Making Faces More Separable. IEEE Signal Processing Letters, 2018, 25, 308-312.	3.6	26
26	Discriminative Multidimensional Scaling for Low-Resolution Face Recognition. IEEE Signal Processing Letters, 2018, 25, 388-392.	3.6	50
27	Capsule Endoscopy Image Classification with Deep Convolutional Neural Networks. , 2018, , .		3
28	LR2-SR: Laplacian Regularized Low-Rank Sparse Representation for Single Image Super-Resolution. , 2018, , .		1
29	Full-Reference Quality Assessment of Contrast Changed Images Based on Local Linear Model. , 2018, , .		3
30	On Hypothesis Testing for Comparing Image Quality Assessment Metrics [Tips &amp; Tricks]. IEEE Signal Processing Magazine, 2018, 35, 133-136.	5.6	11
31	Defect detection of printing images on cans based on SSIM and chromatism. , 2017, , .		7
32	Weighted Voting of Discriminative Regions for Face Recognition. IEICE Transactions on Information and Systems, 2017, E100.D, 2734-2737.	0.7	0
33	Adaptive anchor-point selection for single image super-resolution. , 2017, , .		1
34	Discriminative patch-based sparse representation for face recognition. , 2016, , .		0
35	A Dynamic Load Balancing Algorithm in Heterogeneous Network. , 2016, , .		3
36	Two-stage patch-based sparse multi-value descriptor for face recognition. , 2016, , .		0

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37	Clustering through cutting anomalous-weight edges in connectedness index graph. , 2016, , .		0
38	Salient object detection via spectral clustering. , 2016, , .		1
39	Robust Hybrid Finger Pattern Identification Using Intersection Enhanced Gabor Based Direction Coding. IEICE Transactions on Information and Systems, 2016, E99.D, 2668-2671.	0.7	1
40	Cross section binary coding for fusion of finger vein and finger dorsal texture. , 2016, , .		4
41	Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries. IEEE Transactions on Multimedia, 2016, 18, 313-325.	7.2	44
42	Single-Image Super-Resolution by Subdictionary Coding and Kernel Regression. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, , 1-11.	9.3	10
43	An efficient hybrid VoD broadcasting scheme for heterogeneous receivers in wireless networks. , 2015, , .		2
44	Single-image super-resolution using clustering-based global regression and propagation filtering. , 2015, , .		0
45	Single image super-resolution via sparse KPCA and regression. , 2014, , .		2
46	Evaluation of PM2.5 and PM10 using normalized first-order absolute sum of high-frequency spectrum. , 2014, , .		2
47	Image super-resolution via Kernel regression of sparse coefficients. , 2014, , .		5
48	Face hallucination via position-based dictionaries coding in kernel feature space. , 2014, , .		2
49	Comparative competitive coding for personal identification by using finger vein and finger dorsal texture fusion. Information Sciences, 2014, 268, 20-32.	6.9	86
50	Feature-Level Fusion of Finger Veins and Finger Dorsal Texture for Personal Authentication Based on Orientation Selection. IEICE Transactions on Information and Systems, 2014, E97.D, 1371-1373.	0.7	8
51	Finger Vein Verification Based on Neighbor Pattern Coding. IEICE Transactions on Information and Systems, 2013, E96.D, 1227-1229.	0.7	10
52	Super-resolution for human faces based on sequential images and learnt prior. , 2012, , .		0
53	Water droplets segmentation for hydrophobicity classification. , 2012, , .		2
54	Two-Stage Block-Based Whitened Principal Component Analysis with Application to Single Sample Face Recognition. IEICE Transactions on Information and Systems, 2012, E95.D, 853-860.	0.7	2

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55	Fusion of finger vein and finger dorsal texture for personal identification based on Comparative Competitive Coding. , 2012, , .		5
56	Illumination Normalization Based on Weber's Law With Application to Face Recognition. IEEE Signal Processing Letters, 2011, 18, 462-465.	3.6	211
57	Evaluating surface roughness of castings using K-means clustering and watershed transform. , 2011, , .		0
58	An automatic interpretation method for LCD images of digital measuring instruments. , 2011, , .		5
59	Personal authentication using finger vein pattern and finger-dorsa texture fusion. , 2009, , .		43