

Wangmeng Zuo

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

16,171
citations

70961

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106150

65
g-index

93
all docs

93
docs citations

93
times ranked

9750
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric CNN for Image Superresolution. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3718-3730.	5.9	56
2	Image super-resolution with an enhanced group convolutional neural network. Neural Networks, 2022, 153, 373-385.	3.3	43
3	Coarse-to-Fine CNN for Image Super-Resolution. IEEE Transactions on Multimedia, 2021, 23, 1489-1502.	5.2	122
4	Simultaneous Fidelity and Regularization Learning for Image Restoration. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 284-299.	9.7	54
5	Designing and training of a dual CNN for image denoising. Knowledge-Based Systems, 2021, 226, 106949.	4.0	82
6	IIT-GAT: Instance-level image transformation via unsupervised generative attention networks with disentangled representations. Knowledge-Based Systems, 2021, 225, 107122.	4.0	6
7	Palmpoint Recognition. , 2021, , 1-7.		0
8	Learning RAW-to-sRGB Mappings with Inaccurately Aligned Supervision. , 2021, , .		19
9	Image denoising using deep CNN with batch renormalization. Neural Networks, 2020, 121, 461-473.	3.3	314
10	Attention-guided CNN for image denoising. Neural Networks, 2020, 124, 117-129.	3.3	384
11	Class-Specific Reconstruction Transfer Learning for Visual Recognition Across Domains. IEEE Transactions on Image Processing, 2020, 29, 2424-2438.	6.0	68
12	Lightweight image super-resolution with enhanced CNN. Knowledge-Based Systems, 2020, 205, 106235.	4.0	99
13	Deep learning on image denoising: An overview. Neural Networks, 2020, 131, 251-275.	3.3	502
14	Neural Blind Deconvolution Using Deep Priors. , 2020, , .		142
15	Efficient and Effective Context-Based Convolutional Entropy Modeling for Image Compression. IEEE Transactions on Image Processing, 2020, 29, 5900-5911.	6.0	37
16	Unsupervised image-to-image translation using intra-domain reconstruction loss. International Journal of Machine Learning and Cybernetics, 2020, 11, 2077-2088.	2.3	6
17	Learned Dynamic Guidance for Depth Image Reconstruction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2437-2452.	9.7	12
18	Single Image Deraining Using Bilateral Recurrent Network. IEEE Transactions on Image Processing, 2020, 29, 6852-6863.	6.0	65

#	ARTICLE	IF	CITATIONS
19	Person Verification. , 2020, , 99-114.		0
20	Human Activity Understanding. , 2020, , 135-156.		0
21	Blind Face Restoration via Deep Multi-scale Component Dictionaries. Lecture Notes in Computer Science, 2020, , 399-415.	1.0	74
22	AttGAN: Facial Attribute Editing by Only Changing What You Want. IEEE Transactions on Image Processing, 2019, 28, 5464-5478.	6.0	432
23	Multi-Level Wavelet Convolutional Neural Networks. IEEE Access, 2019, 7, 74973-74985.	2.6	139
24	Manifold Criterion Guided Transfer Learning via Intermediate Domain Generation. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3759-3773.	7.2	82
25	Progressive Image Deraining Networks: A Better and Simpler Baseline. , 2019, , .		470
26	Partial Deconvolution With Inaccurate Blur Kernel. IEEE Transactions on Image Processing, 2018, 27, 511-524.	6.0	23
27	F-SVM: Combination of Feature Transformation and SVM Learning via Convex Relaxation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5185-5199.	7.2	79
28	Image to Video Person Re-Identification by Learning Heterogeneous Dictionary Pair With Feature Projection Matrix. IEEE Transactions on Information Forensics and Security, 2018, 13, 717-732.	4.5	49
29	Learning a Single Convolutional Super-Resolution Network for Multiple Degradations. , 2018, , .		618
30	Iterative quality enhancement via residual-artifact learning networks for low-dose CT. Physics in Medicine and Biology, 2018, 63, 215004.	1.6	31
31	Computational Pulse Signal Analysis. , 2018, , .		10
32	Convolutional Neural Networks for Image Denoising and Restoration. Advances in Computer Vision and Pattern Recognition, 2018, , 93-123.	0.9	10
33	FFDNet: Toward a Fast and Flexible Solution for CNN-Based Image Denoising. IEEE Transactions on Image Processing, 2018, 27, 4608-4622.	6.0	1,554
34	Deep vanishing component analysis network for pattern classification. Neurocomputing, 2018, 316, 240-250.	3.5	2
35	Learning Warped Guidance for Blind Face Restoration. Lecture Notes in Computer Science, 2018, , 278-296.	1.0	68
36	Discussion and Future Work. , 2018, , 319-323.		0

#	ARTICLE	IF	CITATIONS
37	Edit Distance for Pulse Diagnosis. , 2018, , 217-230.		0
38	Non-convex regularized self-representation for unsupervised feature selection. Image and Vision Computing, 2017, 60, 22-29.	2.7	32
39	Beyond a Gaussian Denoiser: Residual Learning of Deep CNN for Image Denoising. IEEE Transactions on Image Processing, 2017, 26, 3142-3155.	6.0	4,738
40	Palmprint Recognition Based on Complete Direction Representation. IEEE Transactions on Image Processing, 2017, 26, 4483-4498.	6.0	115
41	Image Restoration: From Sparse and Low-Rank Priors to Deep Priors [Lecture Notes]. IEEE Signal Processing Magazine, 2017, 34, 172-179.	4.6	92
42	Weighted Nuclear Norm Minimization and Its Applications to Low Level Vision. International Journal of Computer Vision, 2017, 121, 183-208.	10.9	566
43	A Coordinate Descent Method for Total Variation Minimization. Mathematical Problems in Engineering, 2017, 2017, 1-13.	0.6	3
44	Joint Learning of Single-Image and Cross-Image Representations for Person Re-identification. , 2016, , .		260
45	Bayesian non-parametric gradient histogram estimation for texture-enhanced image deblurring. Neurocomputing, 2016, 197, 95-112.	3.5	10
46	Weighted Schatten ℓ_1 -Norm Minimization for Image Denoising and Background Subtraction. IEEE Transactions on Image Processing, 2016, 25, 4842-4857.	6.0	297
47	Sparse Representation-Based Methods for Face Recognition. , 2016, , 199-214.		1
48	Efficient non-uniform deblurring based on generalized additive convolution model. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.0	1
49	Image Deblurring via Enhanced Low-Rank Prior. IEEE Transactions on Image Processing, 2016, 25, 3426-3437.	6.0	165
50	LSDT: Latent Sparse Domain Transfer Learning for Visual Adaptation. IEEE Transactions on Image Processing, 2016, 25, 1177-1191.	6.0	221
51	An Approach to Streaming Video Segmentation With Sub-Optimal Low-Rank Decomposition. IEEE Transactions on Image Processing, 2016, 25, 1947-1960.	6.0	42
52	Towards effective codebookless model for image classification. Pattern Recognition, 2016, 59, 63-71.	5.1	26
53	Learning Iteration-wise Generalized Shrinkage-Thresholding Operators for Blind Deconvolution. IEEE Transactions on Image Processing, 2016, 25, 1-1.	6.0	81
54	A Deep Structured Model with Radius- ϵ Margin Bound for 3D Human Activity Recognition. International Journal of Computer Vision, 2016, 118, 256-273.	10.9	85

#	ARTICLE	IF	CITATIONS
55	Discussions and Future Work. , 2016, , 251-261.		0
56	Fusion Methodologies of Multiple Traits. , 2016, , 217-247.		1
57	Discriminative Features for Palmprint Authentication. , 2016, , 81-111.		0
58	Scene Text Deblurring Using Text-Specific Multiscale Dictionaries. IEEE Transactions on Image Processing, 2015, 24, 1302-1314.	6.0	43
59	Fast total-variation based image restoration based on derivative alternated direction optimization methods. Neurocomputing, 2015, 170, 201-212.	3.5	34
60	Bit-Scalable Deep Hashing With Regularized Similarity Learning for Image Retrieval and Person Re-Identification. IEEE Transactions on Image Processing, 2015, 24, 4766-4779.	6.0	422
61	Unsupervised feature selection by regularized self-representation. Pattern Recognition, 2015, 48, 438-446.	5.1	247
62	Non-convex Regularized Self-representation for Unsupervised Feature Selection. Lecture Notes in Computer Science, 2015, , 55-65.	1.0	23
63	An additive convolution model for fast restoration of nonuniform blurred images. International Journal of Computer Mathematics, 2014, 91, 2446-2466.	1.0	5
64	3D Human Activity Recognition with Reconfigurable Convolutional Neural Networks. , 2014, , .		67
65	Image denoising using hyper-Laplacian priors and gradient histogram preservation model. , 2014, , .		1
66	Weighted Nuclear Norm Minimization with Application to Image Denoising. , 2014, , .		1,240
67	Gradient Histogram Estimation and Preservation for Texture Enhanced Image Denoising. IEEE Transactions on Image Processing, 2014, 23, 2459-2472.	6.0	99
68	Texture Enhanced Image Denoising via Gradient Histogram Preservation. , 2013, , .		74
69	Fast gradient vector flow computation based on augmented Lagrangian method. Pattern Recognition Letters, 2013, 34, 219-225.	2.6	20
70	A Generalized Iterated Shrinkage Algorithm for Non-convex Sparse Coding. , 2013, , .		233
71	Fast Restoration of Nonuniform Blurred Images. Lecture Notes in Computer Science, 2013, , 597-604.	1.0	0
72	A Comparative Study of Palmprint Recognition Algorithms. ACM Computing Surveys, 2012, 44, 1-37.	16.1	192

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73	Supervised sparse representation method with a heuristic strategy and face recognition experiments. <i>Neurocomputing</i> , 2012, 79, 125-131.	3.5	86
74	An Algorithm Based on Augmented Lagrangian Method for Generalized Gradient Vector Flow Computation. <i>Communications in Computer and Information Science</i> , 2012, , 170-177.	0.4	0
75	A Generalized Accelerated Proximal Gradient Approach for Total-Variation-Based Image Restoration. <i>IEEE Transactions on Image Processing</i> , 2011, 20, 2748-2759.	6.0	95
76	Online joint palmprint and palmvein verification. <i>Expert Systems With Applications</i> , 2011, 38, 2621-2631.	4.4	111
77	On accurate orientation extraction and appropriate distance measure for low-resolution palmprint recognition. <i>Pattern Recognition</i> , 2011, 44, 964-972.	5.1	24
78	Empirical study of light source selection for palmprint recognition. <i>Pattern Recognition Letters</i> , 2011, 32, 120-126.	2.6	31
79	Fast palmprint identification with multiple templates per subject. <i>Pattern Recognition Letters</i> , 2011, 32, 1108-1118.	2.6	21
80	Classification of Pulse Waveforms Using Edit Distance with Real Penalty. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010, 2010, .	1.0	29
81	The multiscale competitive code via sparse representation for palmprint verification. , 2010, , .		69
82	Gaussian ERP Kernel Classifier for Pulse Waveforms Classification. , 2010, , .		5
83	Pulse Waveform Classification Using ERP-Based Difference-Weighted KNN Classifier. <i>Lecture Notes in Computer Science</i> , 2010, , 191-200.	1.0	4
84	Orientation selection using modified FCM for competitive code-based palmprint recognition. <i>Pattern Recognition</i> , 2009, 42, 2841-2849.	5.1	75
85	Palmprint verification using binary orientation co-occurrence vector. <i>Pattern Recognition Letters</i> , 2009, 30, 1219-1227.	2.6	235
86	On kernel difference-weighted k-nearest neighbor classification. <i>Pattern Analysis and Applications</i> , 2008, 11, 247-257.	3.1	79
87	Multiscale competitive code for efficient palmprint recognition. , 2008, , .		29
88	Computational Intelligence-Based Biometric Technologies. <i>IEEE Computational Intelligence Magazine</i> , 2007, 2, 26-36.	3.4	35
89	Bidirectional PCA with assembled matrix distance metric for image recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006, 36, 863-872.	5.5	98
90	An assembled matrix distance metric for 2DPCA-based image recognition. <i>Pattern Recognition Letters</i> , 2006, 27, 210-216.	2.6	49