Deyu Meng

List of Publications by Year
in descending order

26 papers	7,833 citations	471509 17 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	6271 citing authors

#	Article	IF	Citations
1	Beyond a Gaussian Denoiser: Residual Learning of Deep CNN for Image Denoising. IEEE Transactions on Image Processing, 2017, 26, 3142-3155.	9.8	4,738
2	Infrared Patch-Image Model for Small Target Detection in a Single Image. IEEE Transactions on Image Processing, 2013, 22, 4996-5009.	9.8	658
3	Weighted Nuclear Norm Minimization and Its Applications to Low Level Vision. International Journal of Computer Vision, 2017, 121, 183-208.	15.6	566
4	Progressive Image Deraining Networks: A Better and Simpler Baseline. , 2019, , .		470
5	Hyperspectral Image Classification With Markov Random Fields and a Convolutional Neural Network. IEEE Transactions on Image Processing, 2018, 27, 2354-2367.	9.8	252
6	Hyperspectral Image Classification With Convolutional Neural Network and Active Learning. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4604-4616.	6.3	214
7	Infrared small-dim target detection based on Markov random field guided noise modeling. Pattern Recognition, 2018, 76, 463-475.	8.1	143
8	Robust Matrix Factorization with Unknown Noise. , 2013, , .		137
9	Few-Example Object Detection with Model Communication. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1641-1654.	13.9	104
10	Dual Adversarial Network: Toward Real-World Noise Removal and Noise Generation. Lecture Notes in Computer Science, 2020, , 41-58.	1.3	90
11	Integration of 3-dimensional discrete wavelet transform and Markov random field for hyperspectral image classification. Neurocomputing, 2017, 226, 90-100.	5.9	87
12	TSASNet: Tooth segmentation on dental panoramic X-ray images by Two-Stage Attention Segmentation Network. Knowledge-Based Systems, 2020, 206, 106338.	7.1	66
13	Single Image Deraining Using Bilateral Recurrent Network. IEEE Transactions on Image Processing, 2020, 29, 6852-6863.	9.8	65
14	Deep Spatial-Spectral Global Reasoning Network for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	49
15	Sparsity-Enhanced Convolutional Decomposition: A Novel Tensor-Based Paradigm for Blind Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	32
16	Iterative quality enhancement via residual-artifact learning networks for low-dose CT. Physics in Medicine and Biology, 2018, 63, 215004.	3.0	31
17	PanCSC-Net: A Model-Driven Deep Unfolding Method for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	28
18	Structural residual learning for single image rain removal. Knowledge-Based Systems, 2021, 213, 106595.	7.1	19

#	Article	IF	Citations
19	Momentum Batch Normalization for Deep Learning with Small Batch Size. Lecture Notes in Computer Science, 2020, , 224-240.	1.3	19
20	Infrared and Visible Cross-Modal Image Retrieval Through Shared Features. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4485-4496.	8.3	15
21	Robust sparse principal component analysis. Science China Information Sciences, 2014, 57, 1-14.	4.3	13
22	Remote Sensing Image Denoising via Low-Rank Tensor Approximation and Robust Noise Modeling. Remote Sensing, 2020, 12, 1278.	4.0	12
23	Robust low-rank tensor factorization by cyclic weighted median. Science China Information Sciences, 2015, 58, 1-11.	4.3	7
24	Learning An Explicit Weighting Scheme for Adapting Complex HSI Noise. , 2021, , .		7
25	Color and direction-invariant nonlocal self-similarity prior and its application to color image denoising. Science China Information Sciences, 2020, 63, 1.	4.3	6
26	A deep variational Bayesian framework for blind image deblurring. Knowledge-Based Systems, 2022, 249, 109008.	7.1	5