

# Deyu Meng

## List of Publications by Year in descending order

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26  
papers

7,833  
citations

471061

17  
h-index

642321

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.	6.0	4,738
2	Infrared Patch-Image Model for Small Target Detection in a Single Image. IEEE Transactions on Image Processing, 2013, 22, 4996-5009.	6.0	658
3	Weighted Nuclear Norm Minimization and Its Applications to Low Level Vision. International Journal of Computer Vision, 2017, 121, 183-208.	10.9	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.	6.0	252
6	Hyperspectral Image Classification With Convolutional Neural Network and Active Learning. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4604-4616.	2.7	214
7	Infrared small-dim target detection based on Markov random field guided noise modeling. Pattern Recognition, 2018, 76, 463-475.	5.1	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.	9.7	104
10	Dual Adversarial Network: Toward Real-World Noise Removal and Noise Generation. Lecture Notes in Computer Science, 2020, , 41-58.	1.0	90
11	Integration of 3-dimensional discrete wavelet transform and Markov random field for hyperspectral image classification. Neurocomputing, 2017, 226, 90-100.	3.5	87
12	TSASNet: Tooth segmentation on dental panoramic X-ray images by Two-Stage Attention Segmentation Network. Knowledge-Based Systems, 2020, 206, 106338.	4.0	66
13	Single Image Deraining Using Bilateral Recurrent Network. IEEE Transactions on Image Processing, 2020, 29, 6852-6863.	6.0	65
14	Deep Spatial-Spectral Global Reasoning Network for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	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.	2.7	32
16	Iterative quality enhancement via residual-artifact learning networks for low-dose CT. Physics in Medicine and Biology, 2018, 63, 215004.	1.6	31
17	PanCSC-Net: A Model-Driven Deep Unfolding Method for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	28
18	Structural residual learning for single image rain removal. Knowledge-Based Systems, 2021, 213, 106595.	4.0	19

#	ARTICLE	IF	CITATIONS
19	Momentum Batch Normalization for Deep Learning with Small Batch Size. Lecture Notes in Computer Science, 2020, , 224-240.	1.0	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.	5.6	15
21	Robust sparse principal component analysis. Science China Information Sciences, 2014, 57, 1-14.	2.7	13
22	Remote Sensing Image Denoising via Low-Rank Tensor Approximation and Robust Noise Modeling. Remote Sensing, 2020, 12, 1278.	1.8	12
23	Robust low-rank tensor factorization by cyclic weighted median. Science China Information Sciences, 2015, 58, 1-11.	2.7	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.	2.7	6
26	A deep variational Bayesian framework for blind image deblurring. Knowledge-Based Systems, 2022, 249, 109008.	4.0	5