

Xiaolin Wu

List of Publications by Year in descending order

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18
papers

1,894
citations

933447

10
h-index

1125743

13
g-index

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18
docs citations

18
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Image Deblurring and Super-Resolution by Adaptive Sparse Domain Selection and Adaptive Regularization. IEEE Transactions on Image Processing, 2011, 20, 1838-1857.	9.8	1,084
2	A Psychovisual Quality Metric in Free-Energy Principle. IEEE Transactions on Image Processing, 2012, 21, 41-52.	9.8	230
3	Generalized Equalization Model for Image Enhancement. IEEE Transactions on Multimedia, 2014, 16, 68-82.	7.2	113
4	Random Walk Graph Laplacian-Based Smoothness Prior for Soft Decoding of JPEG Images. IEEE Transactions on Image Processing, 2017, 26, 509-524.	9.8	111
5	A Linear Programming Approach for Optimal Contrast-Tone Mapping. IEEE Transactions on Image Processing, 2011, 20, 1262-1272.	9.8	109
6	Data-driven sparsity-based restoration of JPEG-compressed images in dual transform-pixel domain. , 2015, , .		58
7	Data-Driven Soft Decoding of Compressed Images in Dual Transform-Pixel Domain. IEEE Transactions on Image Processing, 2016, 25, 1649-1659.	9.8	50
8	Learning-Based Restoration of Backlit Images. IEEE Transactions on Image Processing, 2018, 27, 976-986.	9.8	35
9	Image Enhancement by Entropy Maximization and Quantization Resolution Upconversion. IEEE Transactions on Image Processing, 2016, 25, 4815-4828.	9.8	34
10	Inter-block consistent soft decoding of JPEG images with sparsity and graph-signal smoothness priors. , 2015, , .		21
11	Color demosaicking with an image formation model and adaptive PCA. Journal of Visual Communication and Image Representation, 2012, 23, 1019-1030.	2.8	17
12	ℓ_2 Optimized Predictive Image Coding With ℓ_{∞} Bound. IEEE Transactions on Image Processing, 2013, 22, 5271-5281.	9.8	11
13	Image enhancement revisited: From first order to second order statistics. , 2013, , .		9
14	Real-Time Deep Image Retouching Based on Learnt Semantics Dependent Global Transforms. IEEE Transactions on Image Processing, 2021, 30, 7378-7390.	9.8	5
15	Multispectral Image Restoration via Inter- and Intra-Block Sparse Estimation Based on Physically-Induced Joint Spatospectral Structures. IEEE Transactions on Image Processing, 2018, 27, 4038-4051.	9.8	4
16	Real-Time High-Fidelity Compression for Extremely High Frame Rate Video Cameras. IEEE Transactions on Computational Imaging, 2018, 4, 172-180.	4.4	3
17	High Joint Spectral-Spatial Resolution Imaging via Nanostructured Random Broadband Filtering. , 2019, , .		0
18	A Fast and Practical CNN Method for Artful Image Regeneration. , 2020, , .		0