Javier Mateos

List of Publications by Year
in descending order

53	1,312	687220	477173
papers	citations	13	29
		h-index	g-index

54	54	54	1047
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A survey of classical methods and new trends in pansharpening of multispectral images. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	193
2	Bayesian and regularization methods for hyperparameter estimation in image restoration. IEEE Transactions on Image Processing, 1999, 8, 231-246.	6.0	173
3	Blind Deconvolution Using a Variational Approach to Parameter, Image, and Blur Estimation. IEEE Transactions on Image Processing, 2006, 15, 3715-3727.	6.0	170
4	Image restoration in astronomy: a Bayesian perspective. IEEE Signal Processing Magazine, 2001, 18, 11-29.	4.6	117
5	Bayesian Resolution Enhancement of Compressed Video. IEEE Transactions on Image Processing, 2004, 13, 898-911.	6.0	99
6	Bayesian multichannel image restoration using compound gauss-markov random fields. IEEE Transactions on Image Processing, 2003, 12, 1642-1654.	6.0	58
7	Variational Bayesian Blind Image Deconvolution: A review. , 2015, 47, 116-127.		56
8	Super Resolution of Images and Video. Synthesis Lectures on Image, Video, and Multimedia Processing, 2007, 3, 1-134.	0.9	48
9	Variational posterior distribution approximation in Bayesian super resolution reconstruction of multispectral images. Applied and Computational Harmonic Analysis, 2008, 24, 251-267.	1.1	48
10	Bayesian Active Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2186-2196.	2.7	41
11	A Bayesian approach for the estimation and transmission of regularization parameters for reducing blocking artifacts. IEEE Transactions on Image Processing, 2000, 9, 1200-1215.	6.0	40
12	Hyperparameter estimation in image restoration problems with partially known blurs. Optical Engineering, 2002, 41, 1845.	0.5	37
13	Restoration of severely blurred high range images using stochastic and deterministic relaxation algorithms in compound Gauss–Markov random fields. Pattern Recognition, 2000, 33, 555-571.	5.1	30
14	Variational Dirichlet Blur Kernel Estimation. IEEE Transactions on Image Processing, 2015, 24, 5127-5139.	6.0	26
15	A TV-based image processing framework for blind color deconvolution and classification of histological images. , 2020, 101, 102727.		14
16	Super-Resolution from Compressed Video. , 2002, , 211-242.		12
17	A comparative assessment of different methods for Landsat 7/ETM+‰ pansharpening. International Journal of Remote Sensing, 2012, 33, 6574-6599.	1.3	12
18	Variational Bayesian Blind Color Deconvolution of Histopathological Images. IEEE Transactions on Image Processing, 2020, 29, 2026-2036.	6.0	12

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19	Astronomical image restoration using variational methods and model combination. Statistical Methodology, 2012, 9, 19-31.	0.5	9
20	Variational EM method for blur estimation using the spike-and-slab image prior. , 2019, 88, 116-129.		9
21	Super Resolution of Multispectral Images using â„1 Image Models and Interband Correlations. Journal of Signal Processing Systems, 2011, 65, 509-523.	1.4	8
22	Space-variant blur deconvolution and denoising in the dual exposure problem. Information Fusion, 2013, 14, 396-409.	11.7	8
23	Multispectral Image Pansharpening Based on the Contourlet Transform. , 2010, , 247-261.		8
24	Fully Automated Blind Color Deconvolution of Histopathological Images. Lecture Notes in Computer Science, 2018, , 183-191.	1.0	7
25	Multichannel image restoration in astronomy. New Astronomy Reviews, 1997, 41, 373-378.	0.3	6
26	SPECT IMAGE RECONSTRUCTION USING COMPOUND PRIOR MODELS. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 317-330.	0.7	6
27	Bayesian super-resolution pansharpening using contourlets. , 2010, , .		6
28	Bayesian Image Estimation from an Incomplete Set of Blurred, Undersampled Low Resolution Images. Lecture Notes in Computer Science, 2003, , 538-546.	1.0	6
29	Combining Poisson singular integral and total variation prior models in image restoration. Signal Processing, 2014, 103, 296-308.	2.1	5
30	Multiframe blind deconvolution of passive millimeter wave images using variational dirichlet blur kernel estimation. , 2016, , .		5
31	Blind Color Deconvolution of Histopathological Images Using a Variational Bayesian Approach. , 2018, , .		4
32	Super Resolution of Multispectral Images Using TV Image Models. Lecture Notes in Computer Science, 2008, , 408-415.	1.0	4
33	Reconstruction of high-resolution image frames from a sequence of low-resolution and compressed observations. , 2002, , .		3
34	Parameter Estimation in Bayesian Reconstruction of Multispectral Images using Super Resolution Techniques. , 2006, , .		3
35	Local Bayesian image restoration using variational methods and Gamma-Normal distributions. , 2009, , .		3
36	Super resolution of multispectral images using ℓ1 image models and interband correlations. , 2009, , .		3

#	Article	IF	Citations
37	Image super-resolution for outdoor digital forensics. Usability and legal aspects. Computers in Industry, 2018, 98, 34-47.	5.7	3
38	Bayesian image restoration in astronomy: Application to images of the recent collision of comet shoemaker-levy 9 with jupiter. International Journal of Imaging Systems and Technology, 1995, 6, 370-375.	2.7	2
39	<title>Parameter estimation in regularized reconstruction of BDCT compressed images for reducing blocking artifacts</title>. , 1996, , .		2
40	Approximations of posterior distributions in blind deconvolution using variational methods. , 2005, , .		2
41	Bayesian TV denoising of SAR images. , 2011, , .		2
42	Variational Bayes Color Deconvolution with a Total Variation Prior. , 2019, , .		2
43	Variational Bayesian Pansharpening with Super-Gaussian Sparse Image Priors. Sensors, 2020, 20, 5308.	2.1	2
44	A general multichannel image restoration method using compound models. , 0, , .		1
45	Parameter estimation in Bayesian super-resolution pansharpening using contourlets. , 2011, , .		1
46	Learning filters in Gaussian process classification problems. , 2014, , .		1
47	Spike and slab variational inference for blind image deconvolution. , 2017, , .		1
48	Parameter estimation in spike and slab variational inference for blind image deconvolution. , 2017, , .		1
49	A Bayesian Active Learning Framework for a Two-Class Classification Problem. Lecture Notes in Computer Science, 2012, , 42-53.	1.0	1
50	Pansharpening of multispectral images using a TV-based super-resolution algorithm. Journal of Physics: Conference Series, 2008, 139, 012022.	0.3	0
51	Multispectral image pansharpening based on the contourlet transform. Journal of Physics: Conference Series, 2010, 206, 012031.	0.3	0
52	Interactive Pansharpening and Active Classification in Remote Sensing. Intelligent Systems Reference Library, 2013, , 67-81.	1.0	0
53	Removal of Blocking Artifacts Using a Hierarchical Bayesian Approach. , 1998, , 1-34.		0