

# Javier Mateos

## List of Publications by Year in descending order

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53  
papers

1,312  
citations

687220

13  
h-index

477173

29  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variational Bayesian Blind Color Deconvolution of Histopathological Images. IEEE Transactions on Image Processing, 2020, 29, 2026-2036.	6.0	12
2	Variational Bayesian Pansharpening with Super-Gaussian Sparse Image Priors. Sensors, 2020, 20, 5308.	2.1	2
3	A TV-based image processing framework for blind color deconvolution and classification of histological images. , 2020, 101, 102727.		14
4	Variational EM method for blur estimation using the spike-and-slab image prior. , 2019, 88, 116-129.		9
5	Variational Bayes Color Deconvolution with a Total Variation Prior. , 2019, , .		2
6	Image super-resolution for outdoor digital forensics. Usability and legal aspects. Computers in Industry, 2018, 98, 34-47.	5.7	3
7	Blind Color Deconvolution of Histopathological Images Using a Variational Bayesian Approach. , 2018, , .		4
8	Fully Automated Blind Color Deconvolution of Histopathological Images. Lecture Notes in Computer Science, 2018, , 183-191.	1.0	7
9	Spike and slab variational inference for blind image deconvolution. , 2017, , .		1
10	Parameter estimation in spike and slab variational inference for blind image deconvolution. , 2017, , .		1
11	Multiframe blind deconvolution of passive millimeter wave images using variational dirichlet blur kernel estimation. , 2016, , .		5
12	Variational Bayesian Blind Image Deconvolution: A review. , 2015, 47, 116-127.		56
13	Variational Dirichlet Blur Kernel Estimation. IEEE Transactions on Image Processing, 2015, 24, 5127-5139.	6.0	26
14	Learning filters in Gaussian process classification problems. , 2014, , .		1
15	Bayesian Active Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2186-2196.	2.7	41
16	Combining Poisson singular integral and total variation prior models in image restoration. Signal Processing, 2014, 103, 296-308.	2.1	5
17	Space-variant blur deconvolution and denoising in the dual exposure problem. Information Fusion, 2013, 14, 396-409.	11.7	8
18	Interactive Pansharpening and Active Classification in Remote Sensing. Intelligent Systems Reference Library, 2013, , 67-81.	1.0	0

#	ARTICLE	IF	CITATIONS
19	A comparative assessment of different methods for Landsat 7/ETM+ pansharpening. International Journal of Remote Sensing, 2012, 33, 6574-6599.	1.3	12
20	Astronomical image restoration using variational methods and model combination. Statistical Methodology, 2012, 9, 19-31.	0.5	9
21	A Bayesian Active Learning Framework for a Two-Class Classification Problem. Lecture Notes in Computer Science, 2012, , 42-53.	1.0	1
22	Bayesian TV denoising of SAR images. , 2011, , .		2
23	Parameter estimation in Bayesian super-resolution pansharpening using contourlets. , 2011, , .		1
24	Super Resolution of Multispectral Images using $\alpha_1$ Image Models and Interband Correlations. Journal of Signal Processing Systems, 2011, 65, 509-523.	1.4	8
25	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
26	Multispectral image pansharpening based on the contourlet transform. Journal of Physics: Conference Series, 2010, 206, 012031.	0.3	0
27	Bayesian super-resolution pansharpening using contourlets. , 2010, , .		6
28	Multispectral Image Pansharpening Based on the Contourlet Transform. , 2010, , 247-261.		8
29	Local Bayesian image restoration using variational methods and Gamma-Normal distributions. , 2009, , .		3
30	Super resolution of multispectral images using $\alpha_1$ image models and interband correlations. , 2009, , .		3
31	Variational posterior distribution approximation in Bayesian super resolution reconstruction of multispectral images. Applied and Computational Harmonic Analysis, 2008, 24, 251-267.	1.1	48
32	Pansharpening of multispectral images using a TV-based super-resolution algorithm. Journal of Physics: Conference Series, 2008, 139, 012022.	0.3	0
33	Super Resolution of Multispectral Images Using TV Image Models. Lecture Notes in Computer Science, 2008, , 408-415.	1.0	4
34	Super Resolution of Images and Video. Synthesis Lectures on Image, Video, and Multimedia Processing, 2007, 3, 1-134.	0.9	48
35	Blind Deconvolution Using a Variational Approach to Parameter, Image, and Blur Estimation. IEEE Transactions on Image Processing, 2006, 15, 3715-3727.	6.0	170
36	Parameter Estimation in Bayesian Reconstruction of Multispectral Images using Super Resolution Techniques. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
37	Approximations of posterior distributions in blind deconvolution using variational methods. , 2005, , .		2
38	Bayesian Resolution Enhancement of Compressed Video. IEEE Transactions on Image Processing, 2004, 13, 898-911.	6.0	99
39	Bayesian multichannel image restoration using compound gauss-markov random fields. IEEE Transactions on Image Processing, 2003, 12, 1642-1654.	6.0	58
40	Bayesian Image Estimation from an Incomplete Set of Blurred, Undersampled Low Resolution Images. Lecture Notes in Computer Science, 2003, , 538-546.	1.0	6
41	SPECT IMAGE RECONSTRUCTION USING COMPOUND PRIOR MODELS. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 317-330.	0.7	6
42	Hyperparameter estimation in image restoration problems with partially known blurs. Optical Engineering, 2002, 41, 1845.	0.5	37
43	Reconstruction of high-resolution image frames from a sequence of low-resolution and compressed observations. , 2002, , .		3
44	Super-Resolution from Compressed Video. , 2002, , 211-242.		12
45	Image restoration in astronomy: a Bayesian perspective. IEEE Signal Processing Magazine, 2001, 18, 11-29.	4.6	117
46	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
47	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
48	Bayesian and regularization methods for hyperparameter estimation in image restoration. IEEE Transactions on Image Processing, 1999, 8, 231-246.	6.0	173
49	Removal of Blocking Artifacts Using a Hierarchical Bayesian Approach. , 1998, , 1-34.		0
50	Multichannel image restoration in astronomy. New Astronomy Reviews, 1997, 41, 373-378.	0.3	6
51	<title>Parameter estimation in regularized reconstruction of BDCT compressed images for reducing blocking artifacts</title>. , 1996, , .		2
52	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
53	A general multichannel image restoration method using compound models. , 0, , .		1