Miguel Vega

List of Publications by Year
in descending order

49 papers	777 citations	1039406 9 h-index	713013 21 g-index
49 all docs	49 docs citations	49 times ranked	657 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 combination of sparse and non-sparse priors in image super resolution. , 2013, 23, 530-541.		98
3	Parameter estimation in bayesian high-resolution image reconstruction with multisensors. IEEE Transactions on Image Processing, 2003, 12, 1655-1667.	6.0	72
4	Bayesian multichannel image restoration using compound gauss-markov random fields. IEEE Transactions on Image Processing, 2003, 12, 1642-1654.	6.0	58
5	Variational posterior distribution approximation in Bayesian super resolution reconstruction of multispectral images. Applied and Computational Harmonic Analysis, 2008, 24, 251-267.	1.1	48
6	Bayesian Super-Resolution image reconstruction using an ℓ1 prior. , 2009, , .		30
7	A non-stationary image prior combination in super-resolution. , 2014, 32, 1-10.		22
8	Compressive sensing super resolution from multiple observations with application to passive millimeter wave images. , 2016, 50, 180-190.		20
9	Fast Bayesian blind deconvolution with Huber Super Gaussian priors. , 2017, 60, 122-133.		19
10	Blind color deconvolution, normalization, and classification of histological images using general super Gaussian priors and Bayesian inference. Computer Methods and Programs in Biomedicine, 2021, 211, 106453.	2.6	16
11	Using the Kullback-Leibler divergence to combine image priors in Super-Resolution image reconstruction. , 2010, , .		15
12	A TV-based image processing framework for blind color deconvolution and classification of histological images. , 2020, 101, 102727.		14
13	Super-Resolution of Multispectral Images. Computer Journal, 2008, 52, 153-167.	1.5	12
14	A comparative assessment of different methods for Landsat 7/ETM+â€‰ pansharpening. International Journal of Remote Sensing, 2012, 33, 6574-6599.	1.3	12
15	Variational Bayesian Blind Color Deconvolution of Histopathological Images. IEEE Transactions on Image Processing, 2020, 29, 2026-2036.	6.0	12
16	Iterative image restoration using nonstationary priors. Applied Optics, 2013, 52, D102.	0.9	11
17	Astronomical image restoration using variational methods and model combination. Statistical Methodology, 2012, 9, 19-31.	0.5	9
18	Bayesian K-SVD for H and E blind color deconvolution. Applications to stain normalization, data augmentation and cancer classification. Computerized Medical Imaging and Graphics, 2022, 97, 102048.	3.5	9

#	Article	IF	Citations
19	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
20	A Bayesian Super-Resolution Approach to Demosaicing of Blurred Images. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	7
21	Image prior combination in super-resolution image registration & reconstruction. , 2010, , .		7
22	Fully Automated Blind Color Deconvolution of Histopathological Images. Lecture Notes in Computer Science, 2018, , 183-191.	1.0	7
23	Bayesian parameter estimation in image reconstruction from subsampled blurred observations. , 0, , .		6
24	Bayesian super-resolution pansharpening using contourlets. , 2010, , .		6
25	Bayesian Image Estimation from an Incomplete Set of Blurred, Undersampled Low Resolution Images. Lecture Notes in Computer Science, 2003, , 538-546.	1.0	6
26	Parameter estimation in super-resolution image reconstruction problems. , 0, , .		5
27	Multiframe blind deconvolution of passive millimeter wave images using variational dirichlet blur kernel estimation. , 2016, , .		5
28	From Global to Local Bayesian Parameter Estimation in Image Restoration using Variational Distribution Approximations. Proceedings International Conference on Image Processing, 2007, , .	0.0	4
29	L1 prior majorization in Bayesian image restoration. , 2009, , .		4
30	Image super-resolution from compressed sensing observations. , 2015, , .		4
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	Parameter Estimation in Bayesian Reconstruction of Multispectral Images using Super Resolution Techniques. , 2006, , .		3
34	Super resolution of multispectral images using ℓ1 image models and interband correlations. , 2009, , .		3
35	A novel iterative image restoration algorithm using nonstationary image priors. , 2011, , .		3
36	Image super-resolution for outdoor digital forensics. Usability and legal aspects. Computers in Industry, 2018, 98, 34-47.	5.7	3

#	Article	IF	Citations
37	Bayesian TV denoising of SAR images. , 2011, , .		2
38	PMMW image super resolution from compressed sensing observations. , 2015, , .		2
39	Compressed sensing super resolution of color images. , 2016, , .		2
40	Variational Bayes Color Deconvolution with a Total Variation Prior. , 2019, , .		2
41	Variational Bayesian Pansharpening with Super-Gaussian Sparse Image Priors. Sensors, 2020, 20, 5308.	2.1	2
42	Super Gaussian Priors for Blind Color Deconvolution of Histological Images. , 2020, , .		2
43	Bayesian Reconstruction of Color Images Acquired with a Single CCD. Lecture Notes in Computer Science, 2005, , 343-350.	1.0	2
44	Parameter Estimation in Bayesian Super-Resolution Image Reconstruction from Low Resolution Rotated and Translated Images. Lecture Notes in Computer Science, 2009, , 188-199.	1.0	2
45	A general multichannel image restoration method using compound models. , 0, , .		1
46	Parameter estimation in Bayesian super-resolution pansharpening using contourlets. , 2011, , .		1
47	Who is "The Warrior" on Western Islamic Copper Coins? (A Quranic Key for an Unidentified Icon). Arabica, 2008, 55, 113-121.	0.1	0
48	Pansharpening of multispectral images using a TV-based super-resolution algorithm. Journal of Physics: Conference Series, 2008, 139, 012022.	0.3	0
49	A general sparse image prior combination in super-resolution. , 2013, , .		0