

Miguel Vega

List of Publications by Year in descending order

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49
papers

777
citations

1039880

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all docs

49
docs citations

49
times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Variational Bayesian Blind Color Deconvolution of Histopathological Images. IEEE Transactions on Image Processing, 2020, 29, 2026-2036.	6.0	12
4	Variational Bayesian Pansharpening with Super-Gaussian Sparse Image Priors. Sensors, 2020, 20, 5308.	2.1	2
5	Super Gaussian Priors for Blind Color Deconvolution of Histological Images. , 2020, , .		2
6	A TV-based image processing framework for blind color deconvolution and classification of histological images. , 2020, 101, 102727.		14
7	Variational Bayes Color Deconvolution with a Total Variation Prior. , 2019, , .		2
8	Image super-resolution for outdoor digital forensics. Usability and legal aspects. Computers in Industry, 2018, 98, 34-47.	5.7	3
9	Blind Color Deconvolution of Histopathological Images Using a Variational Bayesian Approach. , 2018, , .		4
10	Fully Automated Blind Color Deconvolution of Histopathological Images. Lecture Notes in Computer Science, 2018, , 183-191.	1.0	7
11	Fast Bayesian blind deconvolution with Huber Super Gaussian priors. , 2017, 60, 122-133.		19
12	Compressed sensing super resolution of color images. , 2016, , .		2
13	Multiframe blind deconvolution of passive millimeter wave images using variational dirichlet blur kernel estimation. , 2016, , .		5
14	Compressive sensing super resolution from multiple observations with application to passive millimeter wave images. , 2016, 50, 180-190.		20
15	PMMW image super resolution from compressed sensing observations. , 2015, , .		2
16	Image super-resolution from compressed sensing observations. , 2015, , .		4
17	A non-stationary image prior combination in super-resolution. , 2014, 32, 1-10.		22
18	Bayesian combination of sparse and non-sparse priors in image super resolution. , 2013, 23, 530-541.		98

#	ARTICLE	IF	CITATIONS
19	Iterative image restoration using nonstationary priors. Applied Optics, 2013, 52, D102.	0.9	11
20	A general sparse image prior combination in super-resolution. , 2013, , .		0
21	A comparative assessment of different methods for Landsat 7/ETM+ pan-sharpening. International Journal of Remote Sensing, 2012, 33, 6574-6599.	1.3	12
22	Astronomical image restoration using variational methods and model combination. Statistical Methodology, 2012, 9, 19-31.	0.5	9
23	Bayesian TV denoising of SAR images. , 2011, , .		2
24	Parameter estimation in Bayesian super-resolution pan-sharpening using contourlets. , 2011, , .		1
25	Super Resolution of Multispectral Images using ℓ_1 Image Models and Interband Correlations. Journal of Signal Processing Systems, 2011, 65, 509-523.	1.4	8
26	A survey of classical methods and new trends in pan-sharpening of multispectral images. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	193
27	A novel iterative image restoration algorithm using nonstationary image priors. , 2011, , .		3
28	Using the Kullback-Leibler divergence to combine image priors in Super-Resolution image reconstruction. , 2010, , .		15
29	Bayesian super-resolution pan-sharpening using contourlets. , 2010, , .		6
30	Image prior combination in super-resolution image registration & reconstruction. , 2010, , .		7
31	Bayesian Super-Resolution image reconstruction using an ℓ_1 prior. , 2009, , .		30
32	Super resolution of multispectral images using ℓ_1 image models and interband correlations. , 2009, , .		3
33	L_1 prior majorization in Bayesian image restoration. , 2009, , .		4
34	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
35	Variational posterior distribution approximation in Bayesian super resolution reconstruction of multispectral images. Applied and Computational Harmonic Analysis, 2008, 24, 251-267.	1.1	48
36	Who is "The Warrior" on Western Islamic Copper Coins? (A Quranic Key for an Unidentified Icon). Arabica, 2008, 55, 113-121.	0.1	0

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37	Super-Resolution of Multispectral Images. Computer Journal, 2008, 52, 153-167.	1.5	12
38	Pansharpening of multispectral images using a TV-based super-resolution algorithm. Journal of Physics: Conference Series, 2008, 139, 012022.	0.3	0
39	Super Resolution of Multispectral Images Using TV Image Models. Lecture Notes in Computer Science, 2008, , 408-415.	1.0	4
40	From Global to Local Bayesian Parameter Estimation in Image Restoration using Variational Distribution Approximations. Proceedings International Conference on Image Processing, 2007, , .	0.0	4
41	A Bayesian Super-Resolution Approach to Demosaicing of Blurred Images. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	7
42	Parameter Estimation in Bayesian Reconstruction of Multispectral Images using Super Resolution Techniques. , 2006, , .		3
43	Bayesian Reconstruction of Color Images Acquired with a Single CCD. Lecture Notes in Computer Science, 2005, , 343-350.	1.0	2
44	Bayesian multichannel image restoration using compound gauss-markov random fields. IEEE Transactions on Image Processing, 2003, 12, 1642-1654.	6.0	58
45	Parameter estimation in bayesian high-resolution image reconstruction with multisensors. IEEE Transactions on Image Processing, 2003, 12, 1655-1667.	6.0	72
46	Bayesian Image Estimation from an Incomplete Set of Blurred, Undersampled Low Resolution Images. Lecture Notes in Computer Science, 2003, , 538-546.	1.0	6
47	A general multichannel image restoration method using compound models. , 0, , .		1
48	Bayesian parameter estimation in image reconstruction from subsampled blurred observations. , 0, , .		6
49	Parameter estimation in super-resolution image reconstruction problems. , 0, , .		5