# Miguel Vega

List of Publications by Year
in descending order

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|---|---|---|---|
| 49<br>papers | 777<br>citations | 1040056<br>9<br>h-index | 713466<br>21<br>g-index |
| 49<br>all docs | 49<br>docs citations | 49<br>times ranked | 657<br>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. | 5.8 | 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. | 4.7 | 16 |
| 3 | Variational Bayesian Blind Color Deconvolution of Histopathological Images. IEEE Transactions on Image Processing, 2020, 29, 2026-2036. | 9.8 | 12 |
| 4 | Variational Bayesian Pansharpening with Super-Gaussian Sparse Image Priors. Sensors, 2020, 20, 5308. | 3.8 | 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. | 9.9 | 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. | 1.3 | 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. | 1.8 | 11 |
| 20 | A general sparse image prior combination in super-resolution. , 2013, , . | | 0 |
| 21 | A comparative assessment of different methods for Landsat 7/ETM+‰ pansharpening. International Journal of Remote Sensing, 2012, 33, 6574-6599. | 2.9 | 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 pansharpening using contourlets. , 2011, , . | | 1 |
| 25 | Super Resolution of Multispectral Images using ₁ Image Models and Interband Correlations. Journal of Signal Processing Systems, 2011, 65, 509-523. | 2.1 | 8 |
| 26 | A survey of classical methods and new trends in pansharpening of multispectral images. Eurasip Journal on Advances in Signal Processing, 2011, 2011, . | 1.7 | 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 pansharpening using contourlets. , 2010, , . | | 6 |
| 30 | Image prior combination in super-resolution image registration &amp; reconstruction. , 2010, , . | | 7 |
| 31 | Bayesian Super-Resolution image reconstruction using an &#x2113;1 prior. , 2009, , . | | 30 |
| 32 | Super resolution of multispectral images using &#x2113;1 image models and interband correlations. , 2009, , . | | 3 |
| 33 | L1 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. | 1.3 | 2 |
| 35 | Variational posterior distribution approximation in Bayesian super resolution reconstruction of multispectral images. Applied and Computational Harmonic Analysis, 2008, 24, 251-267. | 2.2 | 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. | 2.4 | 12 |
| 38 | Pansharpening of multispectral images using a TV-based super-resolution algorithm. Journal of Physics: Conference Series, 2008, 139, 012022. | 0.4 | 0 |
| 39 | Super Resolution of Multispectral Images Using TV Image Models. Lecture Notes in Computer Science, 2008, , 408-415. | 1.3 | 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. | 1.7 | 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. | 1.3 | 2 |
| 44 | Bayesian multichannel image restoration using compound gauss-markov random fields. IEEE Transactions on Image Processing, 2003, 12, 1642-1654. | 9.8 | 58 |
| 45 | Parameter estimation in bayesian high-resolution image reconstruction with multisensors. IEEE Transactions on Image Processing, 2003, 12, 1655-1667. | 9.8 | 72 |
| 46 | Bayesian Image Estimation from an Incomplete Set of Blurred, Undersampled Low Resolution Images. Lecture Notes in Computer Science, 2003, , 538-546. | 1.3 | 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 |