

Jean François Giovannelli

List of Publications by Year in descending order

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48
papers

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57
all docs

57
docs citations

57
times ranked

423
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of SPRITE : A new sparse approach for 3D high resolution RCS Imaging. IET Radar, Sonar and Navigation, 2021, 15, 827-840.	0.9	0
2	Parametric Bayesian estimation of point-like pollution sources of groundwater layers. Signal Processing, 2020, 168, 107339.	2.1	10
3	SPRITE: 3-D SParse Radar Imaging TEchnique. IEEE Transactions on Computational Imaging, 2020, 6, 1059-1069.	2.6	4
4	An Insight Into the Gibbs Sampler: Keep the Samples or Drop Them?. IEEE Signal Processing Letters, 2020, 27, 2069-2073.	2.1	1
5	A Geant4 simulation for three-dimensional proton imaging of microscopic samples. Physica Medica, 2019, 65, 172-180.	0.4	5
6	Unsupervised joint deconvolution and segmentation method for textured images: a Bayesian approach and an advanced sampling algorithm. Eurasip Journal on Advances in Signal Processing, 2019, 2019, .	1.0	10
7	Indoor 3D Spherical Near Field RCS Measurement Facility: A new high resolution method for 3D RCS Imaging. , 2019, , .		1
8	SPRITE: A New Sparse Approach for 3D High Resolution RCS Imaging. , 2019, , .		2
9	Linear MALDI-ToF simultaneous spectrum deconvolution and baseline removal. BMC Bioinformatics, 2018, 19, 123.	1.2	10
10	Variance component analysis to assess protein quantification in biomarker discovery. Application to MALDI-ToF mass spectrometry. Biometrical Journal, 2018, 60, 262-274.	0.6	1
11	Variance component analysis to assess protein quantification in biomarker validation: application to selected reaction monitoring-mass spectrometry. BMC Bioinformatics, 2018, 19, 73.	1.2	7
12	Indoor 3-D Radar Imaging for Low-RCS Analysis. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 995-1008.	2.6	7
13	A new regularization method for radar cross section imaging. , 2017, , .		3
14	A generalized Swendsen-Wang algorithm for Bayesian nonparametric joint segmentation of multiple images. , 2017, , .		3
15	Deconvolution-segmentation for textured images. , 2017, , .		1
16	Bayesian inference for biomarker discovery in proteomics: an analytic solution. Eurasip Journal on Bioinformatics and Systems Biology, 2017, 2017, 9.	1.4	5
17	Unsupervised segmentation of piecewise constant images from incomplete, distorted and noisy data. , 2016, , .		2
18	Joint segmentation of multiple images with shared classes: A Bayesian nonparametrics approach. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	Bayesian Texture Classification From Indirect Observations Using Fast Sampling. IEEE Transactions on Signal Processing, 2016, 64, 146-159.	3.2	4
20	Gradient Scan Gibbs Sampler: An Efficient Algorithm for High-Dimensional Gaussian Distributions. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 343-352.	7.3	10
21	Potts model parameter estimation in Bayesian segmentation of piecewise constant images. , 2015, , .		4
22	Indoor 3D spherical near field RCS measurement facility: Localization of scatterers. , 2014, , .		4
23	Classification of Proteomic MS Data as Bayesian Solution of an Inverse Problem. IEEE Access, 2014, 2, 1248-1262.	2.6	9
24	Bayesian noise model selection and system identification based on approximation of the evidence. , 2014, , .		4
25	Bayesian Texture and Instrument Parameter Estimation From Blurred and Noisy Images Using MCMC. IEEE Signal Processing Letters, 2014, 21, 707-711.	2.1	8
26	Inverse transport problem of estimating point-like source using a Bayesian parametric method with MCMC. Signal Processing, 2014, 96, 346-361.	2.1	35
27	Bayesian texture model selection by harmonic mean. , 2012, , .		3
28	Sampling High-Dimensional Gaussian Distributions for General Linear Inverse Problems. IEEE Signal Processing Letters, 2012, 19, 251-254.	2.1	36
29	Joint Bayesian hierarchical inversion-classification and application in proteomics. , 2011, , .		4
30	Langevin and hessian with fisher approximation stochastic sampling for parameter estimation of structured covariance. , 2011, , .		15
31	Deconvolutionwith gaussian blur parameter and hyperparameters estimation. , 2010, , .		1
32	Image reconstruction in optical interferometry. IEEE Signal Processing Magazine, 2010, 27, 97-109.	4.6	55
33	Bayesian estimation of regularization and point spread function parameters for Wiener's Hunt deconvolution. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 1593.	0.8	69
34	Super-resolution with continuous scan shift. , 2009, , .		0
35	Data Inversion for Over-Resolved Spectral Imaging in Astronomy. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 802-811.	7.3	15
36	Correction to "Data Inversion for Over-Resolved Spectral Imaging in Astronomy" [Oct 08 802-811]. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 1008-1009.	7.3	0

#	ARTICLE	IF	CITATIONS
37	Unsupervised Bayesian Convex Deconvolution Based on a Field With an Explicit Partition Function. IEEE Transactions on Image Processing, 2008, 17, 16-26.	6.0	17
38	Contaminant source estimation in a two-layers porous environment using a Bayesian approach. , 2007, , .		6
39	An Improved Observation Model for Super-Resolution Under Affine Motion. IEEE Transactions on Image Processing, 2006, 15, 3325-3337.	6.0	30
40	Non-quadratic convex regularized reconstruction of MR images from spiral acquisitions. Signal Processing, 2006, 86, 2479-2494.	2.1	12
41	Point target detection and subpixel position estimation in optical imagery. Applied Optics, 2004, 43, 257.	2.1	24
42	Unsupervised frequency tracking beyond the Nyquist frequency using Markov chains. IEEE Transactions on Signal Processing, 2002, 50, 2905-2914.	3.2	9
43	Regularization, maximum entropy and probabilistic methods in mass spectrometry data processing problems. International Journal of Mass Spectrometry, 2002, 215, 175-193.	0.7	49
44	Bayesian interpretation of periodograms. IEEE Transactions on Signal Processing, 2001, 49, 1388-1396.	3.2	5
45	Regularized estimation of mixed spectra using a circular Gibbs-Markov model. IEEE Transactions on Signal Processing, 2001, 49, 2202-2213.	3.2	24
46	Regularized adaptive long autoregressive spectral analysis. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 2194-2202.	2.7	5
47	Structural stability of least squares prediction methods. IEEE Transactions on Signal Processing, 1998, 46, 3109-3111.	3.2	5
48	Improved Characterization of Non-Stationary Flows Using a Regularized Spectral Analysis of Ultrasound Doppler Signals. Journal De Physique III, 1997, 7, 2079-2102.	0.3	7