

Xavier Bresson

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,957
citations

567247

15
h-index

752679

20
g-index

23
all docs

23
docs citations

23
times ranked

2273
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast Global Minimization of the Active Contour/Snake Model. Journal of Mathematical Imaging and Vision, 2007, 28, 151-167.	1.3	763
2	Bregmanized Nonlocal Regularization for Deconvolution and Sparse Reconstruction. SIAM Journal on Imaging Sciences, 2010, 3, 253-276.	2.2	550
3	Geometric Applications of the Split Bregman Method: Segmentation and Surface Reconstruction. Journal of Scientific Computing, 2010, 45, 272-293.	2.3	353
4	Fast dual minimization of the vectorial total variation norm and applications to color image processing. Inverse Problems and Imaging, 2008, 2, 455-484.	1.1	304
5	Local Histogram Based Segmentation Using the Wasserstein Distance. International Journal of Computer Vision, 2009, 84, 97-111.	15.6	184
6	Completely Convex Formulation of the Chan-Vese Image Segmentation Model. International Journal of Computer Vision, 2012, 98, 103-121.	15.6	140
7	A Variational Model for Object Segmentation Using Boundary Information and Shape Prior Driven by the Mumford-Shah Functional. International Journal of Computer Vision, 2006, 68, 145-162.	15.6	118
8	Nonlocal Mumford-Shah Regularizers for Color Image Restoration. IEEE Transactions on Image Processing, 2011, 20, 1583-1598.	9.8	102
9	White matter fiber tract segmentation in DT-MRI using geometric flows. Medical Image Analysis, 2005, 9, 223-236.	11.6	71
10	Efficient Algorithm for Level Set Method Preserving Distance Function. IEEE Transactions on Image Processing, 2012, 21, 4722-4734.	9.8	70
11	Enhanced Compressed Sensing Recovery With Level Set Normals. IEEE Transactions on Image Processing, 2013, 22, 2611-2626.	9.8	68
12	Adaptive Regularization With the Structure Tensor. IEEE Transactions on Image Processing, 2015, 24, 1777-1790.	9.8	55
13	Fast texture segmentation model based on the shape operator and active contour. , 2008, , .		51
14	Multi-class Transductive Learning Based on α_1 Relaxations of Cheeger Cut and Mumford-Shah-Potts Model. Journal of Mathematical Imaging and Vision, 2014, 49, 191-201.	1.3	35
15	Semi-Supervised Segmentation of Ultrasound Images Based on Patch Representation and Continuous Min Cut. PLoS ONE, 2014, 9, e100972.	2.5	32
16	Harmonic Active Contours. IEEE Transactions on Image Processing, 2014, 23, 69-82.	9.8	22
17	Active Contours Based on Chambolle's Mean Curvature Motion. Proceedings International Conference on Image Processing, 2007, , .	0.0	11
18	Global minimization of Markov random fields with applications to optical flow. Inverse Problems and Imaging, 2012, 6, 623-644.	1.1	10

#	ARTICLE	IF	CITATIONS
19	Segmentation for Hyperspectral Images with Priors. Lecture Notes in Computer Science, 2010, , 97-106.	1.3	6
20	Four color theorem and convex relaxation for image segmentation with any number of regions. Inverse Problems and Imaging, 2013, 7, 1099-1113.	1.1	6
21	Harmonic active contours for multichannel image segmentation. , 2011, , .		2
22	Geodesic Active Fieldsâ€”A Geometric Framework for Image Registration. , 2010, , .		1