

Xavier Bresson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22

papers

2,358

citations

16

h-index

23

g-index

23

ext. papers

2,687

ext. citations

4.9

avg, IF

4.9

L-index

#	Paper	IF	Citations
22	Adaptive regularization with the structure tensor. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1777-99	8.9	46
21	Multi-class Transductive Learning Based on ℓ_1 Relaxations of Cheeger Cut and Mumford-Shah-Potts Model. <i>Journal of Mathematical Imaging and Vision</i> , 2014 , 49, 191-201	1.6	29
20	Harmonic active contours. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 69-82	8.7	19
19	Semi-supervised segmentation of ultrasound images based on patch representation and continuous min cut. <i>PLoS ONE</i> , 2014 , 9, e100972	3.7	22
18	Enhanced compressed sensing recovery with level set normals. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 2611-26	8.7	33
17	Four color theorem and convex relaxation for image segmentation with any number of regions. <i>Inverse Problems and Imaging</i> , 2013 , 7, 1099-1113	2.1	6
16	Efficient algorithm for level set method preserving distance function. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 4722-34	8.7	54
15	Completely Convex Formulation of the Chan-Vese Image Segmentation Model. <i>International Journal of Computer Vision</i> , 2012 , 98, 103-121	10.6	122
14	Global minimization of Markov random fields with applications to optical flow. <i>Inverse Problems and Imaging</i> , 2012 , 6, 623-644	2.1	8
13	Nonlocal Mumford-Shah regularizers for color image restoration. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 1583-98	8.7	80
12	Surface Reconstruction Using Power Watershed. <i>Lecture Notes in Computer Science</i> , 2011 , 381-392	0.9	1
11	Geodesic Active Fields: A Geometric Framework for Image Registration 2010 ,		1
10	Bregmanized Nonlocal Regularization for Deconvolution and Sparse Reconstruction. <i>SIAM Journal on Imaging Sciences</i> , 2010 , 3, 253-276	1.9	453
9	Geometric Applications of the Split Bregman Method: Segmentation and Surface Reconstruction. <i>Journal of Scientific Computing</i> , 2010 , 45, 272-293	2.3	273
8	Segmentation for Hyperspectral Images with Priors. <i>Lecture Notes in Computer Science</i> , 2010 , 97-106	0.9	2
7	Local Histogram Based Segmentation Using the Wasserstein Distance. <i>International Journal of Computer Vision</i> , 2009 , 84, 97-111	10.6	147
6	Fast texture segmentation model based on the shape operator and active contour 2008 ,		38

5	Fast dual minimization of the vectorial total variation norm and applications to color image processing. <i>Inverse Problems and Imaging</i> , 2008 , 2, 455-484	2.1	239
4	Fast Global Minimization of the Active Contour/Snake Model. <i>Journal of Mathematical Imaging and Vision</i> , 2007 , 28, 151-167	1.6	613
3	Active Contours Based on Chambolle's Mean Curvature Motion. <i>Proceedings International Conference on Image Processing</i> , 2007 ,	1.6	11
2	A Variational Model for Object Segmentation Using Boundary Information and Shape Prior Driven by the Mumford-Shah Functional. <i>International Journal of Computer Vision</i> , 2006 , 68, 145-162	10.6	102
1	White matter fiber tract segmentation in DT-MRI using geometric flows. <i>Medical Image Analysis</i> , 2005 , 9, 223-36	15.4	58