Coloma Ballester

List of Publications by Year in Descending Order

30 papers	1,154 citations	13 h-index	33 g-index
36 ext. papers	1,426 ext. citations	2.4 avg, IF	4.02 L-index

#	Paper	IF	Citations
30	History-Based Anomaly Detector: An Adversarial Approach to Anomaly Detection. *Advances in Intelligent Systems and Computing*, **2021**, 761-776	0.4	0
29	Self-Supervised Small Soccer Player Detection and Tracking **2020**,		5
28	Semantic Image Completion Through an Adversarial Strategy. *Communications in Computer and Information Science*, **2020**, 520-542	0.3	2
27	**2020**,		2
26	ChromaGAN: Adversarial Picture Colorization with Semantic Class Distribution **2020**,		33
25	Automatic Flare Spot Artifact Detection and Removal in Photographs. *Journal of Mathematical Imaging and Vision*, **2019**, 61, 515-533	1.6	3
24	Motion Inpainting by an Image-Based Geodesic AMLE Method **2018**,		3
23	Affine Non-Local Means Image Denoising. *IEEE Transactions on Image Processing*, **2017**, 26, 2137-2148	8.7	22
22	FALDOI: A New Minimization Strategy for Large Displacement Variational Optical Flow. *Journal of Mathematical Imaging and Vision*, **2017**, 58, 27-46	1.6	8
21	Exemplar-Based Image Inpainting Using an Affine Invariant Similarity Measure. *Communications in Computer and Information Science*, **2017**, 454-474	0.3	
20	From Occlusion to Global Depth Order, a Monocular Approach. *Communications in Computer and Information Science*, **2017**, 575-592	0.3	
19	A Computational Model for Amodal Completion. *Journal of Mathematical Imaging and Vision*, **2016**, 56, 511-534	1.6	3
18	Linear Multiscale Analysis of Similarities between Images on Riemannian Manifolds: Practical Formula and Affine Covariant Metrics. *SIAM Journal on Imaging Sciences*, **2015**, 8, 2021-2069	1.9	4
17	A Rotation-Invariant Regularization Term for Optical Flow Related Problems. *Lecture Notes in Computer Science*, **2015**, 304-319	0.9	1
16	Multiscale Analysis of Similarities between Images on Riemannian Manifolds. *Multiscale Modeling and Simulation*, **2014**, 12, 616-649	1.8	4
15	On Affine Invariant Descriptors Related to SIFT. *SIAM Journal on Imaging Sciences*, **2012**, 5, 652-687	1.9	2
14	A TV-L1 Optical Flow Method with Occlusion Detection. *Lecture Notes in Computer Science*, **2012**, 31-40	0.9	15

LIST OF PUBLICATIONS

13	A TV Based Restoration Model with Local Constraints. *Journal of Scientific Computing*, **2008**, 34, 209-236	2.3	46
12	An inpainting-based deinterlacing method. *IEEE Transactions on Image Processing*, **2007**, 16, 2476-91	8.7	22
11	Level Lines Selection with Variational Models for Segmentation and Encoding. *Journal of Mathematical Imaging and Vision*, **2007**, 27, 5-27	1.6	21
10	A Variational Model for P+XS Image Fusion. *International Journal of Computer Vision*, **2006**, 69, 43-58	10.6	231
9	Morse Description and Morphological Encoding of Continuous Data. *Multiscale Modeling and Simulation*, **2004**, 2, 179-209	1.8	5
8	Disocclusion by Joint Interpolation of Vector Fields and Gray Levels. *Multiscale Modeling and Simulation*, **2003**, 2, 80-123	1.8	21
7	The tree of shapes of an image. *ESAIM - Control, Optimisation and Calculus of Variations*, **2003**, 9, 1-18	1	36
6	The Dirichlet Problem for the Total Variation Flow. *Journal of Functional Analysis*, **2001**, 180, 347-403	1.4	115
5	Filling-in by joint interpolation of vector fields and gray levels. *IEEE Transactions on Image Processing*, **2001**, 10, 1200-11	8.7	481
4	Minimizing total variation flow. *Comptes Rendus Mathematique*, **2000**, 331, 867-872		31
3	Affine Invariant Texture Segmentation and Shape from Texture by Variational Methods. *Journal of Mathematical Imaging and Vision*, **1998**, 9, 141-171	1.6	19
2	Affine Invariant Segmentation by Variational Method. *SIAM Journal on Applied Mathematics*, **1996**, 56, 294-325	1.8	11
1	On Anisotropic Optical Flow Inpainting Algorithms. *Image Processing on Line*, 10, 78-104		6