

# Cristian Sminchisescu

## List of Publications by Year in descending order

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46  
papers

5,444  
citations

567144

15  
h-index

642610

23  
g-index

47  
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47  
docs citations

47  
times ranked

3395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human3.6M: Large Scale Datasets and Predictive Methods for 3D Human Sensing in Natural Environments. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1325-1339.	9.7	1,869
2	CPMC: Automatic Object Segmentation Using Constrained Parametric Min-Cuts. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1312-1328.	9.7	479
3	The Moving Pose: An Efficient 3D Kinematics Descriptor for Low-Latency Action Recognition and Detection. , 2013, , .		296
4	Constrained parametric min-cuts for automatic object segmentation. , 2010, , .		287
5	Semantic Segmentation with Second-Order Pooling. Lecture Notes in Computer Science, 2012, , 430-443.	1.0	202
6	Twin Gaussian Processes for Structured Prediction. International Journal of Computer Vision, 2010, 87, 28-52.	10.9	189
7	Matrix Backpropagation for Deep Networks with Structured Layers. , 2015, , .		171
8	Conditional models for contextual human motion recognition. Computer Vision and Image Understanding, 2006, 104, 210-220.	3.0	157
9	Latent structured models for human pose estimation. , 2011, , .		139
10	Semantic Video Segmentation by Gated Recurrent Flow Propagation. , 2018, , .		131
11	Deep Learning of Graph Matching. , 2018, , .		113
12	Generative modeling for continuous non-linearly embedded visual inference. , 2004, , .		105
13	Reinforcement Learning for Visual Object Detection. , 2016, , .		105
14	Deep Multitask Architecture for Integrated 2D and 3D Human Sensing. , 2017, , .		102
15	Object recognition as ranking holistic figure-ground hypotheses. , 2010, , .		83
16	Object Recognition by Sequential Figure-Ground Ranking. International Journal of Computer Vision, 2012, 98, 243-262.	10.9	82
17	BM3D : Discriminative Density Propagation for Visual Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 2030-2044.	9.7	63
18	Fast algorithms for large scale conditional 3D prediction. , 2008, , .		61

#	ARTICLE	IF	CITATIONS
19	Human Appearance Transfer. , 2018, , .		60
20	Iterated Second-Order Label Sensitive Pooling for 3D Human Pose Estimation. , 2014, , .		57
21	Deep Reinforcement Learning of Region Proposal Networks for Object Detection. , 2018, , .		53
22	Free-Form Region Description with Second-Order Pooling. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1177-1189.	9.7	50
23	Semi-supervised learning and optimization for hypergraph matching. , 2011, , .		47
24	Image segmentation by figure-ground composition into maximal cliques. , 2011, , .		34
25	Multiscale Symmetric Part Detection and Grouping. International Journal of Computer Vision, 2013, 104, 117-134.	10.9	33
26	Generalized Boundaries from Multiple Image Interpretations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1312-1324.	9.7	33
27	Neural Descent for Visual 3D Human Pose and Shape. , 2021, , .		30
28	Optimal Image and Video Closure by Superpixel Grouping. International Journal of Computer Vision, 2012, 100, 99-119.	10.9	26
29	THUNDR: Transformer-based 3D HUman Reconstruction with Markers. , 2021, , .		25
30	Building Roadmaps of Minima and Transitions in Visual Models. International Journal of Computer Vision, 2005, 61, 81-101.	10.9	23
31	Hyperdynamics Importance Sampling. Lecture Notes in Computer Science, 2002, , 769-783.	1.0	23
32	Composite Statistical Inference for Semantic Segmentation. , 2013, , .		18
33	Spectral Latent Variable Models for Perceptual Inference. , 2007, , .		15
34	3D Human Motion Analysis in Monocular Video: Techniques and Challenges. Computational Imaging and Vision, 2008, , 185-211.	0.6	15
35	Probabilistic Joint Image Segmentation and Labeling by Figure-Ground Composition. International Journal of Computer Vision, 2014, 107, 40-57.	10.9	15
36	Pictorial Human Spaces: How Well Do Humans Perceive a 3D Articulated Pose?. , 2013, , .		12

#	ARTICLE	IF	CITATIONS
37	Large Displacement 3D Scene Flow with Occlusion Reasoning. , 2015, , .		12
38	Building Roadmaps of Local Minima of Visual Models. Lecture Notes in Computer Science, 2002, , 566-582.	1.0	10
39	Incremental model-based estimation using geometric constraints. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 727-738.	9.7	9
40	Generalized darting Monte Carlo. Pattern Recognition, 2011, 44, 2738-2748.	5.1	8
41	Pictorial Human Spaces: A Computational Study on the Human Perception of 3D Articulated Poses. International Journal of Computer Vision, 2016, 119, 194-215.	10.9	8
42	Predictable Robots for Autistic Childrenâ€™ Variance in Robot Behaviour, Idiosyncrasies in Autistic Childrenâ€™s Characteristics, and Childâ€™ Robot Engagement. ACM Transactions on Computer-Human Interaction, 2021, 28, 1-42.	4.6	8
43	Feature-Based Pose Estimation. , 2011, , 225-251.		5
44	A Framework for Symmetric Part Detection in Cluttered Scenes. Symmetry, 2015, 7, 1333-1351.	1.1	5
45	Fast mixing hyperdynamic sampling. Image and Vision Computing, 2006, 24, 279-289.	2.7	4
46	The Role of Mid-Level Shape Priors in Perceptual Grouping and Image Abstraction. , 2013, , 1-19.		2