

Cristian Sminchisescu

List of Publications by Year in descending order

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46
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times ranked

3395
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Neural Descent for Visual 3D Human Pose and Shape. , 2021, , .		30
3	THUNDR: Transformer-based 3D HUman Reconstruction with Markers. , 2021, , .		25
4	Semantic Video Segmentation by Gated Recurrent Flow Propagation. , 2018, , .		131
5	Deep Learning of Graph Matching. , 2018, , .		113
6	Human Appearance Transfer. , 2018, , .		60
7	Deep Reinforcement Learning of Region Proposal Networks for Object Detection. , 2018, , .		53
8	Deep Multitask Architecture for Integrated 2D and 3D Human Sensing. , 2017, , .		102
9	Reinforcement Learning for Visual Object Detection. , 2016, , .		105
10	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
11	Large Displacement 3D Scene Flow with Occlusion Reasoning. , 2015, , .		12
12	A Framework for Symmetric Part Detection in Cluttered Scenes. Symmetry, 2015, 7, 1333-1351.	1.1	5
13	Matrix Backpropagation for Deep Networks with Structured Layers. , 2015, , .		171
14	Free-Form Region Description with Second-Order Pooling. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1177-1189.	9.7	50
15	Generalized Boundaries from Multiple Image Interpretations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1312-1324.	9.7	33
16	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
17	Iterated Second-Order Label Sensitive Pooling for 3D Human Pose Estimation. , 2014, , .		57
18	Probabilistic Joint Image Segmentation and Labeling by Figure-Ground Composition. International Journal of Computer Vision, 2014, 107, 40-57.	10.9	15

#	ARTICLE	IF	CITATIONS
19	The Role of Mid-Level Shape Priors in Perceptual Grouping and Image Abstraction. , 2013, , 1-19.		2
20	Multiscale Symmetric Part Detection and Grouping. International Journal of Computer Vision, 2013, 104, 117-134.	10.9	33
21	Pictorial Human Spaces: How Well Do Humans Perceive a 3D Articulated Pose?. , 2013, , .		12
22	Composite Statistical Inference for Semantic Segmentation. , 2013, , .		18
23	The Moving Pose: An Efficient 3D Kinematics Descriptor for Low-Latency Action Recognition and Detection. , 2013, , .		296
24	CPMC: Automatic Object Segmentation Using Constrained Parametric Min-Cuts. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1312-1328.	9.7	479
25	Object Recognition by Sequential Figure-Ground Ranking. International Journal of Computer Vision, 2012, 98, 243-262.	10.9	82
26	Optimal Image and Video Closure by Superpixel Grouping. International Journal of Computer Vision, 2012, 100, 99-119.	10.9	26
27	Semantic Segmentation with Second-Order Pooling. Lecture Notes in Computer Science, 2012, , 430-443.	1.0	202
28	Semi-supervised learning and optimization for hypergraph matching. , 2011, , .		47
29	Feature-Based Pose Estimation. , 2011, , 225-251.		5
30	Generalized darting Monte Carlo. Pattern Recognition, 2011, 44, 2738-2748.	5.1	8
31	Latent structured models for human pose estimation. , 2011, , .		139
32	Image segmentation by figure-ground composition into maximal cliques. , 2011, , .		34
33	Twin Gaussian Processes for Structured Prediction. International Journal of Computer Vision, 2010, 87, 28-52.	10.9	189
34	Constrained parametric min-cuts for automatic object segmentation. , 2010, , .		287
35	Object recognition as ranking holistic figure-ground hypotheses. , 2010, , .		83
36	3D Human Motion Analysis in Monocular Video: Techniques and Challenges. Computational Imaging and Vision, 2008, , 185-211.	0.6	15

#	ARTICLE	IF	CITATIONS
37	Fast algorithms for large scale conditional 3D prediction. , 2008, , .		61
38	Spectral Latent Variable Models for Perceptual Inference. , 2007, , .		15
39	BM ³ E : Discriminative Density Propagation for Visual Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 2030-2044.	9.7	63
40	Conditional models for contextual human motion recognition. Computer Vision and Image Understanding, 2006, 104, 210-220.	3.0	157
41	Fast mixing hyperdynamic sampling. Image and Vision Computing, 2006, 24, 279-289.	2.7	4
42	Building Roadmaps of Minima and Transitions in Visual Models. International Journal of Computer Vision, 2005, 61, 81-101.	10.9	23
43	Incremental model-based estimation using geometric constraints. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 727-738.	9.7	9
44	Generative modeling for continuous non-linearly embedded visual inference. , 2004, , .		105
45	Building Roadmaps of Local Minima of Visual Models. Lecture Notes in Computer Science, 2002, , 566-582.	1.0	10
46	Hyperdynamics Importance Sampling. Lecture Notes in Computer Science, 2002, , 769-783.	1.0	23