Mathieu Salzmann

List of Publications by Year
in descending order

45	2,414	14	25
papers	citations	h-index	g-index

623734 (above h-index box)
580821 (above g-index box)

45	45	45	2056
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Training Provably Robust Models by Polyhedral Envelope Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3146-3160.	11.3	1
2	GarNet++: Improving Fast and Accurate Static 3D Cloth Draping by Curvature Loss. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 181-195.	13.9	19
3	Estimating Image Depth in the Comics Domain. , 2022, , .		2
4	Visual Domain Adaptation in the Deep Learning Era. Synthesis Lectures on Computer Vision, 2022, 11, 1-190.	0.6	2
5	Eigendecomposition-Free Training of Deep Networks for Linear Least-Square Problems. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3167-3182.	13.9	8
6	Geometry-Aware Deep Recurrent Neural Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2448-2460.	6.3	35
7	Motion Prediction Using Temporal Inception Module. Lecture Notes in Computer Science, 2021, , 651-665.	1.3	7
8	Towards Robust Fine-Grained Recognition by Maximal Separation of Discriminative Features. Lecture Notes in Computer Science, 2021, , 391-408.	1.3	2
9	Landmark Regularization: Ranking Guided Super-Net Training in Neural Architecture Search. , 2021, , .		7
10	Human Detection and Segmentation via Multi-view Consensus. , 2021, , .		2
11	Tracing in 2D to reduce the annotation effort for 3D deep delineation of linear structures. Medical Image Analysis, 2020, 60, 101590.	11.6	11
12	Visual Correspondences for Unsupervised Domain Adaptation on Electron Microscopy Images. IEEE Transactions on Medical Imaging, 2020, 39, 1256-1267.	8.9	14
13	ActiveMoCap: Optimized Viewpoint Selection for Active Human Motion Capture. , 2020, , .		13
14	DUNIT: Detection-Based Unsupervised Image-to-Image Translation. , 2020, , .		45
15	A Stochastic Conditioning Scheme for Diverse Human Motion Prediction. , 2020, , .		57
16	Efficient Relaxations for Dense CRFs with Sparse Higher-Order Potentials. SIAM Journal on Imaging Sciences, 2019, 12, 287-318.	2.2	6
17	Recurrent U-Net for Resource-Constrained Segmentation. , 2019, , .		64
18	GarNet: A Two-Stream Network for Fast and Accurate 3D Cloth Draping. , 2019, , .		85

#	Article	IF	Citations
19	Geometric and Physical Constraints for Drone-Based Head Plane Crowd Density Estimation. , 2019, , .		30
20	Learning Trajectory Dependencies for Human Motion Prediction. , 2019, , .		209
21	Beyond Sharing Weights for Deep Domain Adaptation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 801-814.	13.9	270
22	Memory Efficient Max Flow for Multi-Label Submodular MRFs. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 886-900.	13.9	2
23	VIENA ^{2} : A Driving Anticipation Dataset. Lecture Notes in Computer Science, 2019, , 449-466.	1.3	8
24	Learning Latent Representations of 3D Human Pose with Deep Neural Networks. International Journal of Computer Vision, 2018, 126, 1326-1341.	15.6	53
25	Dimensionality Reduction on SPD Manifolds: The Emergence of Geometry-Aware Methods. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 48-62.	13.9	133
26	Incorporating Network Built-in Priors in Weakly-Supervised Semantic Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1382-1396.	13.9	24
27	Learning to Find Good Correspondences. , 2018, , .		282
28	Residual Parameter Transfer for Deep Domain Adaptation. , 2018, , .		32
29	Learning Monocular 3D Human Pose Estimation from Multi-view Images. , 2018, , .		155
30	Eigendecomposition-Free Training of Deep Networks with Zero Eigenvalue-Based Losses. Lecture Notes in Computer Science, 2018, , 792-807.	1.3	22
31	A domain-adaptive two-stream U-Net for electron microscopy image segmentation. , 2018, , .		29
32	Effective Use of Synthetic Data for Urban Scene Semantic Segmentation. Lecture Notes in Computer Science, 2018, , 86-103.	1.3	81
33	Statistically-Motivated Second-Order Pooling. Lecture Notes in Computer Science, 2018, , 621-637.	1.3	29
34	Unsupervised Geometry-Aware Representation for 3D Human Pose Estimation. Lecture Notes in Computer Science, 2018, , 765-782.	1.3	106
35	Efficient Linear Programming for Dense CRFs. , 2017, , .		3
36	Bringing Background into the Foreground: Making All Classes Equal in Weakly-Supervised Video Semantic Segmentation. , 2017, , .		25

#	Article	IF	Citations
37	Learning to Fuse 2D and 3D Image Cues for Monocular Body Pose Estimation. , 2017, , .		152
38	Built-in Foreground/Background Prior for Weakly-Supervised Semantic Segmentation. Lecture Notes in Computer Science, 2016, , 413-432.	1.3	69
39	Exploiting Large Image Sets for Road Scene Parsing. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2456-2465.	8.0	4
40	Riemannian coding and dictionary learning: Kernels to the rescue. , 2015, , .		54
41	From Manifold to Manifold: Geometry-Aware Dimensionality Reduction for SPD Matrices. Lecture Notes in Computer Science, 2014, , 17-32.	1.3	92
42	3D pose refinement from reflections. , 2008, , .		13
43	Deformable Surface Tracking Ambiguities. , 2007, , .		32
44	Surface Deformation Models for Nonrigid 3D Shape Recovery. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1481-1487.	13.9	104
45	Implicit Meshes for Effective Silhouette Handling. International Journal of Computer Vision, 2007, 72, 159-178.	15.6	21