

Mathieu Salzmann

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,414
citations

623734

14
h-index

580821

25
g-index

45
all docs

45
docs citations

45
times ranked

2056
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning to Find Good Correspondences. , 2018, , .		282
2	Beyond Sharing Weights for Deep Domain Adaptation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 801-814.	13.9	270
3	Learning Trajectory Dependencies for Human Motion Prediction. , 2019, , .		209
4	Learning Monocular 3D Human Pose Estimation from Multi-view Images. , 2018, , .		155
5	Learning to Fuse 2D and 3D Image Cues for Monocular Body Pose Estimation. , 2017, , .		152
6	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
7	Unsupervised Geometry-Aware Representation for 3D Human Pose Estimation. Lecture Notes in Computer Science, 2018, , 765-782.	1.3	106
8	Surface Deformation Models for Nonrigid 3D Shape Recovery. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1481-1487.	13.9	104
9	From Manifold to Manifold: Geometry-Aware Dimensionality Reduction for SPD Matrices. Lecture Notes in Computer Science, 2014, , 17-32.	1.3	92
10	GarNet: A Two-Stream Network for Fast and Accurate 3D Cloth Draping. , 2019, , .		85
11	Effective Use of Synthetic Data for Urban Scene Semantic Segmentation. Lecture Notes in Computer Science, 2018, , 86-103.	1.3	81
12	Built-in Foreground/Background Prior for Weakly-Supervised Semantic Segmentation. Lecture Notes in Computer Science, 2016, , 413-432.	1.3	69
13	Recurrent U-Net for Resource-Constrained Segmentation. , 2019, , .		64
14	A Stochastic Conditioning Scheme for Diverse Human Motion Prediction. , 2020, , .		57
15	Riemannian coding and dictionary learning: Kernels to the rescue. , 2015, , .		54
16	Learning Latent Representations of 3D Human Pose with Deep Neural Networks. International Journal of Computer Vision, 2018, 126, 1326-1341.	15.6	53
17	DUNIT: Detection-Based Unsupervised Image-to-Image Translation. , 2020, , .		45
18	Geometry-Aware Deep Recurrent Neural Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2448-2460.	6.3	35

#	ARTICLE	IF	CITATIONS
19	Deformable Surface Tracking Ambiguities. , 2007, , .		32
20	Residual Parameter Transfer for Deep Domain Adaptation. , 2018, , .		32
21	Geometric and Physical Constraints for Drone-Based Head Plane Crowd Density Estimation. , 2019, , .		30
22	A domain-adaptive two-stream U-Net for electron microscopy image segmentation. , 2018, , .		29
23	Statistically-Motivated Second-Order Pooling. Lecture Notes in Computer Science, 2018, , 621-637.	1.3	29
24	Bringing Background into the Foreground: Making All Classes Equal in Weakly-Supervised Video Semantic Segmentation. , 2017, , .		25
25	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
26	Eigendecomposition-Free Training of Deep Networks with Zero Eigenvalue-Based Losses. Lecture Notes in Computer Science, 2018, , 792-807.	1.3	22
27	Implicit Meshes for Effective Silhouette Handling. International Journal of Computer Vision, 2007, 72, 159-178.	15.6	21
28	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
29	Visual Correspondences for Unsupervised Domain Adaptation on Electron Microscopy Images. IEEE Transactions on Medical Imaging, 2020, 39, 1256-1267.	8.9	14
30	3D pose refinement from reflections. , 2008, , .		13
31	ActiveMoCap: Optimized Viewpoint Selection for Active Human Motion Capture. , 2020, , .		13
32	Tracing in 2D to reduce the annotation effort for 3D deep delineation of linear structures. Medical Image Analysis, 2020, 60, 101590.	11.6	11
33	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
34	VIENA $\hat{\mathcal{D}}$: A Driving Anticipation Dataset. Lecture Notes in Computer Science, 2019, , 449-466.	1.3	8
35	Motion Prediction Using Temporal Inception Module. Lecture Notes in Computer Science, 2021, , 651-665.	1.3	7
36	Landmark Regularization: Ranking Guided Super-Net Training in Neural Architecture Search. , 2021, , .		7

#	ARTICLE	IF	CITATIONS
37	Efficient Relaxations for Dense CRFs with Sparse Higher-Order Potentials. SIAM Journal on Imaging Sciences, 2019, 12, 287-318.	2.2	6
38	Exploiting Large Image Sets for Road Scene Parsing. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2456-2465.	8.0	4
39	Efficient Linear Programming for Dense CRFs. , 2017, , .		3
40	Memory Efficient Max Flow for Multi-Label Submodular MRFs. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 886-900.	13.9	2
41	Towards Robust Fine-Grained Recognition by Maximal Separation of Discriminative Features. Lecture Notes in Computer Science, 2021, , 391-408.	1.3	2
42	Estimating Image Depth in the Comics Domain. , 2022, , .		2
43	Visual Domain Adaptation in the Deep Learning Era. Synthesis Lectures on Computer Vision, 2022, 11, 1-190.	0.6	2
44	Human Detection and Segmentation via Multi-view Consensus. , 2021, , .		2
45	Training Provably Robust Models by Polyhedral Envelope Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3146-3160.	11.3	1