

Mathieu Aubry

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4217249/publications.pdf>

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28
papers

2,148
citations

1040056

9
h-index

1199594

12
g-index

28
all docs

28
docs citations

28
times ranked

1530
citing authors

#	ARTICLE	IF	CITATIONS
1	The wave kernel signature: A quantum mechanical approach to shape analysis. , 2011, , .		458
2	A Papier-Mache Approach to Learning 3D Surface Generation. , 2018, , .		362
3	Seeing 3D Chairs: Exemplar Part-Based 2D-3D Alignment Using a Large Dataset of CAD Models. , 2014, , .		292
4	Learning Dense Correspondence via 3D-Guided Cycle Consistency. , 2016, , .		209
5	Fast Local Laplacian Filters. ACM Transactions on Graphics, 2014, 33, 1-14.	7.2	144
6	3D-CODED: 3D Correspondences by Deep Deformation. Lecture Notes in Computer Science, 2018, , 235-251.	1.3	116
7	Understanding Deep Features with Computer-Generated Imagery. , 2015, , .		71
8	Painting-to-3D model alignment via discriminative visual elements. ACM Transactions on Graphics, 2014, 33, 1-14.	7.2	70
9	3D Sketching using Multi-View Deep Volumetric Prediction. Proceedings of the ACM on Computer Graphics and Interactive Techniques, 2018, 1, 1-22.	1.6	70
10	Deep Exemplar 2D-3D Detection by Adapting from Real to Rendered Views. , 2016, , .		53
11	Discovering Visual Patterns in Art Collections With Spatially-Consistent Feature Learning. , 2019, , .		51
12	RANSAC-Flow: Generic Two-Stage Image Alignment. Lecture Notes in Computer Science, 2020, , 618-637.	1.3	49
13	A Super-Resolution Framework for High-Accuracy Multiview Reconstruction. International Journal of Computer Vision, 2014, 106, 172-191.	15.6	46
14	Monte-Carlo Tree Search for Efficient Visually Guided Rearrangement Planning. IEEE Robotics and Automation Letters, 2020, 5, 3715-3722.	5.1	36
15	Crafting a multi-task CNN for viewpoint estimation. , 2016, , .		34
16	Unsupervised cycle-consistent deformation for shape matching. Computer Graphics Forum, 2019, 38, 123-133.	3.0	18
17	docExtractor: An off-the-shelf historical document element extraction. , 2020, , .		17
18	Single-view robot pose and joint angle estimation via render & compare. , 2021, , .		14

#	ARTICLE	IF	CITATIONS
19	Virtual Training for a Real Application: Accurate Object-Robot Relative Localization Without Calibration. <i>International Journal of Computer Vision</i> , 2018, 126, 1045-1060.	15.6	13
20	Decoupling photometry and geometry in dense variational camera calibration. , 2011, , .		9
21	Machines and Masterpieces: Predicting Prices in the Art Auction Market. <i>SSRN Electronic Journal</i> , 0, , .	0.4	4
22	Image Collation: Matching Illustrations in Manuscripts. <i>Lecture Notes in Computer Science</i> , 2021, , 351-366.	1.3	3
23	Large-Scale Historical Watermark Recognition: dataset and a new consistency-based approach. , 2021, , .		3
24	Deep Learning for Historical Data Analysis. , 2021, , .		2
25	Spatially-Consistent Feature Matching and Learning for Heritage Image Analysis. <i>International Journal of Computer Vision</i> , 2022, 130, 1325-1339.	15.6	2
26	Visual Geo-localization of Non-photographic Depictions via 2D-3D Alignment. <i>Advances in Computer Vision and Pattern Recognition</i> , 2016, , 255-275.	1.3	1
27	Representing Shape Collections With Alignment-Aware Linear Models. , 2021, , .		1
28	Bilinear Image Translation for Temporal Analysis of Photo Collections. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, 43, 1197-1212.	13.9	0