Ryutarou Ohbuchi

List of Publications by Year
in descending order

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54 papers	1,904 citations	1040018 9 h-index	888047 17 g-index
54 all docs	54 docs citations	54 times ranked	957 citing authors

#	Article	IF	Citations
1	Merging virtual objects with the real world. , 1992, , .		217
2	Watermaking three-dimensional polygonal models. , 1997, , .		164
3	A Frequency-Domain Approach to Watermarking 3D Shapes. Computer Graphics Forum, 2002, 21, 373-382.	3.0	157
4	A comparison of methods for non-rigid 3D shape retrieval. Pattern Recognition, 2013, 46, 449-461.	8.1	147
5	A Frequency-Domain Approach to Watermarking 3D Shapes. Computer Graphics Forum, 2002, 21, 373-382.	3.0	123
6	Salient local visual features for shape-based 3D model retrieval. , 2008, , .		119
7	Shape-similarity search of 3D models by using enhanced shape functions. International Journal of Computer Applications in Technology, 2005, 23, 70.	0.5	115
8	A comparison of 3D shape retrieval methods based on a large-scale benchmark supporting multimodal queries. Computer Vision and Image Understanding, 2015, 131, 1-27.	4.7	102
9	Dense sampling and fast encoding for 3D model retrieval using bag-of-visual features. , 2009, , .		94
10	A comparison of methods for sketch-based 3D shape retrieval. Computer Vision and Image Understanding, 2014, 119, 57-80.	4.7	91
11	Retrieving 3D shapes based on their appearance. , 2003, , .		78
12	Data embedding algorithms for geometrical and non-geometrical targets in three-dimensional polygonal models. Computer Communications, 1998, 21, 1344-1354.	5.1	60
13	Scale-weighted dense bag of visual features for 3D model retrieval from a partial view 3D model. , 2009, , .		57
14	Ranking on Cross-Domain Manifold for Sketch-Based 3D Model Retrieval. , 2013, , .		42
15	<title>Incremental volume reconstruction and rendering for 3-D ultrasound imaging</title>. , 1992, 1808, 312.		38
16	Embedding data in 3D models. Lecture Notes in Computer Science, 1997, , 1-10.	1.3	31
17	Distance metric learning and feature combination for shape-based 3D model retrieval. , 2010, , .		31
18	Unsupervised learning from a corpus for shape-based 3D model retrieval. , 2006, , .		25

#	Article	IF	Citations
19	Learning semantic categories for 3D model retrieval. , 2007, , .		24
20	Non-rigid 3D Model Retrieval Using Set of Local Statistical Features. , 2012, , .		20
21	Diffusion-on-Manifold Aggregation of Local Features for Shape-based 3D Model Retrieval. , 2015, , .		18
22	Managing CAD Data as a Multimedia Data Type Using Digital Watermarking. , 2002, , 103-116.		16
23	Visual Saliency Weighting and Cross-Domain Manifold Ranking for Sketch-Based Image Retrieval. Lecture Notes in Computer Science, 2014, , 37-49.	1.3	15
24	Fusing Multiple Features for Shape-based 3D Model Retrieval. , 2014, , .		14
25	Ranking on semantic manifold for shape-based 3d model retrieval. , 2008, , .		12
26	Hashing Cross-Modal Manifold for Scalable Sketch-Based 3D Model Retrieval. , 2014, , .		12
27	Blending shapes by using subdivision surfaces. Computers and Graphics, 2001, 25, 41-58.	2.5	11
28	Similarity metric learning for sketch-based 3D object retrieval. Multimedia Tools and Applications, 2015, 74, 10367-10392.	3.9	10
29	Lightweight Binary Voxel Shape Features for 3D Data Matching and Retrieval. , 2015, , .		9
30	SHREC’08 entry: Local volumetric features for 3D model retrieval. , 2008, , .		7
31	Comparison of Dimension Reduction Methods for Database-Adaptive 3D Model Retrieval. Lecture Notes in Computer Science, 2008, , 196-210.	1.3	6
32	Accurate Aggregation of Local Features by using K-sparse Autoencoder for 3D Model Retrieval. , 2016, , .		5
33	Transcoding across 3D shape representations for unsupervised learning of 3D shape feature. Pattern Recognition Letters, 2020, 138, 146-154.	4.2	5
34	Shape-Based Autotagging of 3D Models for Retrieval. Lecture Notes in Computer Science, 2009, , 137-148.	1.3	5
35	Scale Adaptive Feature Pyramid Networks for 2D Object Detection. Scientific Programming, 2020, 2020, 1-8.	0.7	5
36	SHREC’08 entry: Semi-supervised learning for semantic 3D model retrieval. , 2008, , .		3

#	Article	IF	Citations
37	Deep semantic hashing of 3D geometric features for efficient 3D model retrieval. , 2017, , .		3
38	SHREC—08 entry: Local 2D visual features for CAD Model retrieval. , 2008, , .		2
39	SHape REtrieval contest 2008: Generic models. , 2008, , .		2
40	Local geometry adaptive manifold re-ranking for shape-based 3D object retrieval. , 2012, , .		2
41	Efficient manifold learning for 3D model retrieval by using clustering-based training sample reduction. , 2012, , .		2
42	Query by Partially-Drawn Sketches for 3D Shape Retrieval. , 2019, , .		2
43	Densely sampled local visual features on 3D mesh for retrieval. , 2013, , .		1
44	Convolution on Rotation-Invariant and Multi-Scale Feature Graph for 3D Point Set Segmentation. IEEE Access, 2020, 8, 140250-140260.	4.2	1
45	Human-Directed Search of Three-Dimensional Mesh Models Based on Shape Similarity. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2003, 57, 998-1007.	0.1	1
46	Computer Graphics. Shape-Similarity Search of 3D Models by Using Moment Envelopes.. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2002, 56, 1589-1597.	0.1	0
47	Learning 3D Face Models for shape based retrieval. , 2008, , .		0
48	Squeezing bag-of-features for scalable and semantic 3D model retrieval. , 2010, , .		0
49	Supervised, Geometry-Aware Segmentation of 3D Mesh Models. , 2012, , .		0
50	View-Clustering and Manifold Learning for Sketch-Based 3D Model Retrieval. , 2013, , .		0
51	An unsupervised approach for comparing styles of illustrations. , 2015, , .		0
52	Feature set aggregator: unsupervised representation learning of sets for their comparison. Multimedia Tools and Applications, 2019, 78, 35157-35178.	3.9	0
53	Title is missing!. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2010, 64, 967-972.	0.1	0
54	Overview of AI Application-Oriented Parallel Processing Research in Japan. Kluwer International Series in Engineering and Computer Science, 1988, , 247-260.	0.2	0