

# Ryutarou Ohbuchi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44  
papers

1,265  
citations

18  
h-index

35  
g-index

54  
ext. papers

1,462  
ext. citations

2.5  
avg, IF

4.23  
L-index

| #  | Paper   | IF  | Citations |
|----|---|-----|-----------|
| 44 | Scale Adaptive Feature Pyramid Networks for 2D Object Detection. <i>Scientific Programming</i> , <b>2020</b> , 2020, 1-8  | 1.4 | 3         |
| 43 | Transcoding across 3D shape representations for unsupervised learning of 3D shape feature. <i>Pattern Recognition Letters</i> , <b>2020</b> , 138, 146-154                          | 4.7 | 0         |
| 42 | Convolution on Rotation-Invariant and Multi-Scale Feature Graph for 3D Point Set Segmentation. <i>IEEE Access</i> , <b>2020</b> , 8, 140250-140260                                  | 3.5 | 1         |
| 41 | Feature set aggregator: unsupervised representation learning of sets for their comparison. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 35157-35178                 | 2.5 |           |
| 40 | Deep semantic hashing of 3D geometric features for efficient 3D model retrieval <b>2017</b> ,   |     | 2         |
| 39 | Accurate Aggregation of Local Features by using K-sparse Autoencoder for 3D Model Retrieval <b>2016</b> ,   |     | 5         |
| 38 | Similarity metric learning for sketch-based 3D object retrieval. <i>Multimedia Tools and Applications</i> , <b>2015</b> , 74, 10367-10392   | 2.5 | 8         |
| 37 | Diffusion-on-Manifold Aggregation of Local Features for Shape-based 3D Model Retrieval <b>2015</b> ,  |     | 10        |
| 36 | A comparison of 3D shape retrieval methods based on a large-scale benchmark supporting multimodal queries. <i>Computer Vision and Image Understanding</i> , <b>2015</b> , 131, 1-27 | 4.3 | 75        |
| 35 | Lightweight Binary Voxel Shape Features for 3D Data Matching and Retrieval <b>2015</b> ,  |     | 6         |
| 34 | A comparison of methods for sketch-based 3D shape retrieval. <i>Computer Vision and Image Understanding</i> , <b>2014</b> , 119, 57-80  | 4.3 | 65        |
| 33 | Hashing Cross-Modal Manifold for Scalable Sketch-Based 3D Model Retrieval <b>2014</b> ,   |     | 10        |
| 32 | Fusing Multiple Features for Shape-based 3D Model Retrieval <b>2014</b> ,   |     | 9         |
| 31 | Visual Saliency Weighting and Cross-Domain Manifold Ranking for Sketch-Based Image Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 37-49                        | 0.9 | 9         |
| 30 | Ranking on Cross-Domain Manifold for Sketch-Based 3D Model Retrieval <b>2013</b> ,  |     | 31        |
| 29 | Densely sampled local visual features on 3D mesh for retrieval <b>2013</b> ,  |     | 1         |
| 28 | A comparison of methods for non-rigid 3D shape retrieval. <i>Pattern Recognition</i> , <b>2013</b> , 46, 449-461  | 7.7 | 117       |

|    |   |     |     |
|----|---|-----|-----|
| 27 | Non-rigid 3D Model Retrieval Using Set of Local Statistical Features <b>2012</b> ,  |     | 14  |
| 26 | <b>2012</b> ,   |     | 1   |
| 25 | Distance metric learning and feature combination for shape-based 3D model retrieval <b>2010</b> ,   |     | 22  |
| 24 | . <i>Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers</i> , <b>2010</b> , 64, 967-972  | 0   |     |
| 23 | Dense sampling and fast encoding for 3D model retrieval using bag-of-visual features <b>2009</b> ,  |     | 65  |
| 22 | <b>2009</b> ,   |     | 44  |
| 21 | Shape-Based Autotagging of 3D Models for Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 137-148  | 0.9 | 3   |
| 20 | Salient local visual features for shape-based 3D model retrieval <b>2008</b> ,  |     | 63  |
| 19 | SHREC'08 entry: Local volumetric features for 3D model retrieval <b>2008</b> ,  |     | 2   |
| 18 | SHape REtrieval contest 2008: Generic models <b>2008</b> ,  |     | 2   |
| 17 | Ranking on semantic manifold for shape-based 3d model retrieval <b>2008</b> ,   |     | 11  |
| 16 | Comparison of Dimension Reduction Methods for Database-Adaptive 3D Model Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 196-210  | 0.9 | 5   |
| 15 | Learning semantic categories for 3D model retrieval <b>2007</b> ,   |     | 18  |
| 14 | Unsupervised learning from a corpus for shape-based 3D model retrieval <b>2006</b> ,  |     | 19  |
| 13 | Shape-similarity search of 3D models by using enhanced shape functions. <i>International Journal of Computer Applications in Technology</i> , <b>2005</b> , 23, 70  | 0.7 | 89  |
| 12 | Retrieving 3D shapes based on their appearance <b>2003</b> ,  |     | 59  |
| 11 | Human-Directed Search of Three-Dimensional Mesh Models Based on Shape Similarity. <i>Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers</i> , <b>2003</b> , 57, 998-1007 | 0   | 1   |
| 10 | A Frequency-Domain Approach to Watermarking 3D Shapes. <i>Computer Graphics Forum</i> , <b>2002</b> , 21, 373-382   | 2.4 | 144 |

- 9 A Frequency-Domain Approach to Watermarking 3D Shapes. *Computer Graphics Forum*, **2002**, 21, 373-382.4 39
- 8 Managing CAD Data as a Multimedia Data Type Using Digital Watermarking **2002**, 103-116 7
- 7 Blending shapes by using subdivision surfaces. *Computers and Graphics*, **2001**, 25, 41-58 1.8 6
- 6 Data embedding algorithms for geometrical and non-geometrical targets in three-dimensional polygonal models. *Computer Communications*, **1998**, 21, 1344-1354 5.1 52
- 5 Embedding data in 3D models. *Lecture Notes in Computer Science*, **1997**, 1-10 0.9 20
- 4 Watermaking three-dimensional polygonal models **1997**, 117
- 3 Incremental volume reconstruction and rendering for 3-D ultrasound imaging **1992**, 1808, 312 27
- 2 Merging virtual objects with the real world **1992**, 81
- 1 Overview of AI Application-Oriented Parallel Processing Research in Japan. *Kluwer International Series in Engineering and Computer Science*, **1988**, 247-260