Yu-Shen Liu

List of Publications by Year
in descending order

48	1,969	394421 19	377865 34
papers	citations	h-index	g-index

48	48	48	1010
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SPU-Net: Self-Supervised Point Cloud Upsampling by Coarse-to-Fine Reconstruction With Self-Projection Optimization. IEEE Transactions on Image Processing, 2022, 31, 4213-4226.	9.8	23
2	CMPD: Using Cross Memory Network With Pair Discrimination for Image-Text Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2427-2437.	8.3	17
3	Fine-Grained 3D Shape Classification With Hierarchical Part-View Attention. IEEE Transactions on Image Processing, 2021, 30, 1744-1758.	9.8	31
4	Heterogeneous network modeling and segmentation of building information modeling data for parallel triangulation and visualization. Automation in Construction, 2021, 131, 103897.	9.8	8
5	Hierarchical View Predictor: Unsupervised 3D Global Feature Learning through Hierarchical Prediction among Unordered Views. , 2021, , .		7
6	PMP-Net: Point Cloud Completion by Learning Multi-step Point Moving Paths. , 2021, , .		82
7	Cycle4Completion: Unpaired Point Cloud Completion using Cycle Transformation with Missing Region Coding. , 2021, , .		51
8	SnowflakeNet: Point Cloud Completion by Snowflake Point Deconvolution with Skip-Transformer. , 2021, , .		101
9	Unsupervised Learning of Fine Structure Generation for 3D Point Clouds by 2D Projection Matching. , 2021, , .		16
10	Point Cloud Completion by Skip-Attention Network With Hierarchical Folding. , 2020, , .		146
11	Point2SpatialCapsule: Aggregating Features and Spatial Relationships of Local Regions on Point Clouds Using Spatial-Aware Capsules. IEEE Transactions on Image Processing, 2020, 29, 8855-8869.	9.8	29
12	Reconstructing 3D Shapes From Multiple Sketches Using Direct Shape Optimization. IEEE Transactions on Image Processing, 2020, 29, 8721-8734.	9.8	29
13	LRC-Net: Learning discriminative features on point clouds by encoding local region contexts. Computer Aided Geometric Design, 2020, 79, 101859.	1.2	19
14	BIMSeek++: Retrieving BIM components using similarity measurement of attributes. Computers in Industry, 2020, 116, 103186.	9.9	19
15	SeqXY2SeqZ: Structure Learning for 3D Shapes by Sequentially Predicting 1D Occupancy Segments from 2D Coordinates. Lecture Notes in Computer Science, 2020, , 607-625.	1.3	11
16	CF-SIS: Semantic-Instance Segmentation of 3D Point Clouds by Context Fusion with Self-Attention. , 2020, , .		27
17	ShapeCaptioner: Generative Caption Network for 3D Shapes by Learning a Mapping from Parts Detected in Multiple Views to Sentences. , 2020, , .		18
18	Dynamically loading IFC models on a web browser based on spatial semantic partitioning. Visual Computing for Industry, Biomedicine, and Art, 2019, 2, 4.	3.7	3

#	Article	IF	Citations
19	Adversarial Cross-Modal Retrieval via Learning and Transferring Single-Modal Similarities. , 2019, , .		11
20	3D2SeqViews: Aggregating Sequential Views for 3D Global Feature Learning by CNN With Hierarchical Attention Aggregation. IEEE Transactions on Image Processing, 2019, 28, 3986-3999.	9.8	105
21	View Inter-Prediction GAN: Unsupervised Representation Learning for 3D Shapes by Learning Global Shape Memories to Support Local View Predictions. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8376-8384.	4.9	71
22	Multi-Angle Point Cloud-VAE: Unsupervised Feature Learning for 3D Point Clouds From Multiple Angles by Joint Self-Reconstruction and Half-to-Half Prediction. , 2019, , .		73
23	Point2Sequence: Learning the Shape Representation of 3D Point Clouds with an Attention-Based Sequence to Sequence Network. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8778-8785.	4.9	174
24	Y2Seq2Seq: Cross-Modal Representation Learning for 3D Shape and Text by Joint Reconstruction and Prediction of View and Word Sequences. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 126-133.	4.9	29
25	SeqViews2SeqLabels: Learning 3D Global Features via Aggregating Sequential Views by RNN With Attention. IEEE Transactions on Image Processing, 2019, 28, 658-672.	9.8	148
26	L2G Auto-encoder. , 2019, , .		58
27	3DViewGraph: Learning Global Features for 3D Shapes from A Graph of Unordered Views with Attention. , 2019, , .		29
28	Parts4Feature: Learning 3D Global Features from Generally Semantic Parts in Multiple Views. , 2019, , .		23
29	Deep Spatiality: Unsupervised Learning of Spatially-Enhanced Global and Local 3D Features by Deep Neural Network With Coupled Softmax. IEEE Transactions on Image Processing, 2018, 27, 3049-3063.	9.8	37
30	IFCdiff: A content-based automatic comparison approach for IFC files. Automation in Construction, 2018, 86, 53-68.	9.8	27
31	BIMTag: Concept-based automatic semantic annotation of online BIM product resources. Advanced Engineering Informatics, 2017, 31, 48-61.	8.0	43
32	BoSCC: Bag of Spatial Context Correlations for Spatially Enhanced 3D Shape Representation. IEEE Transactions on Image Processing, 2017, 26, 3707-3720.	9.8	29
33	Enhanced Explicit Semantic Analysis for Product Model Retrieval in Construction Industry. IEEE Transactions on Industrial Informatics, 2017, 13, 3361-3369.	11.3	19
34	VIV: Using visible internal volume to compute junction-aware shape descriptor of 3D articulated models. Neurocomputing, 2016, 215, 32-47.	5.9	5
35	Recent Advances on Building Information Modeling. Scientific World Journal, The, 2015, 2015, 1-2.	2.1	3
36	A query expansion method for retrieving online BIM resources based on Industry Foundation Classes. Automation in Construction, 2015, 56, 14-25.	9.8	72

#	Article	IF	Citations
37	IFCCompressor: A content-based compression algorithm for optimizing Industry Foundation Classes files. Automation in Construction, 2015, 50, 1-15.	9.8	28
38	Junction-aware shape descriptor for 3D articulated models using local shape-radius variation. Signal Processing, 2015, 112, 4-16.	3.7	6
39	The IFC-based path planning for 3D indoor spaces. Advanced Engineering Informatics, 2013, 27, 189-205.	8.0	148
40	3DMolNavi: A web-based retrieval and navigation tool for flexible molecular shape comparison. BMC Bioinformatics, 2012, 13, 95.	2.6	4
41	Robust shape normalization of 3D articulated volumetric models. CAD Computer Aided Design, 2012, 44, 1253-1268.	2.7	7
42	Computing the Inner Distances of Volumetric Models for Articulated Shape Description with a Visibility Graph. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 2538-2544.	13.9	31
43	Using diffusion distances for flexible molecular shape comparison. BMC Bioinformatics, 2010, 11, 480.	2.6	20
44	IDSS: deformation invariant signatures for molecular shape comparison. BMC Bioinformatics, 2009, 10, 157.	2.6	28
45	Using least median of squares for structural superposition of flexible proteins. BMC Bioinformatics, 2009, 10, 29.	2.6	17
46	Robust principal axes determination for point-based shapes using least median of squares. CAD Computer Aided Design, 2009, 41, 293-305.	2.7	41
47	Computing global visibility maps for regions on the boundaries of polyhedra using Minkowski sums. CAD Computer Aided Design, 2009, 41, 668-680.	2.7	17
48	Salient critical points for meshes. , 2007, , .		29