Mark Jones

List of Publications by Year
in descending order

56	1,414	430874	361022
papers	citations	18	35
		h-index	g-index

58	58	58	1355
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D distance fields: a survey of techniques and applications. IEEE Transactions on Visualization and Computer Graphics, 2006, 12, 581-599.	4.4	297
2	Step by step: reconstruction of terrestrial animal movement paths by dead-reckoning. Movement Ecology, 2015, 3, 23.	2.8	80
3	TimeCluster: dimension reduction applied to temporal data for visual analytics. Visual Computer, 2019, 35, 1013-1026.	3.5	72
4	A New Approach to the Construction of Surfaces from Contour Data. Computer Graphics Forum, 1994, 13, 75-84.	3.0	67
5	<i>MatchPad</i>: Interactive Glyph‐Based Visualization for Real‐Time Sports Performance Analysis. Computer Graphics Forum, 2012, 31, 1255-1264.	3.0	66
6	The Production of Volume Data from Triangular Meshes Using Voxelisation. Computer Graphics Forum, 1996, 15, 311-318.	3.0	60
7	DynaMoVis: visualization of dynamic models for urban modeling. Visual Computer, 2015, 31, 1079-1088.	3.5	58
8	Prying into the intimate secrets of animal lives; software beyond hardware for comprehensive annotation in â€˜Daily Diaryâ€™ tags. Movement Ecology, 2015, 3, 29.	2.8	52
9	Similarity Measures for Enhancing Interactive Streamline Seeding. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 1342-1353.	4.4	49
10	TimeNotes: A Study on Effective Chart Visualization and Interaction Techniques for Time-Series Data. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 549-558.	4.4	44
11	Vector-City Vector Distance Transform. Computer Vision and Image Understanding, 2001, 82, 238-254.	4.7	43
12	Clustering and Classification for Time Series Data in Visual Analytics: A Survey. IEEE Access, 2019, 7, 181314-181338.	4.2	42
13	Deep Time-Series Clustering: A Review. Electronics (Switzerland), 2021, 10, 3001.	3.1	36
14	Visualisation of Sensor Data from Animal Movement. Computer Graphics Forum, 2009, 28, 815-822.	3.0	35
15	Smooth Graphs for Visual Exploration of Higher-Order State Transitions. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 969-976.	4.4	30
16	Into the Blue: Better Caustics through Photon Relaxation. Computer Graphics Forum, 2009, 28, 319-328.	3.0	29
17	TimeClassifier: a visual analytic system for the classification of multi-dimensional time series data. Visual Computer, 2015, 31, 1067-1078.	3.5	27
18	Transformation of an Uncertain Video Search Pipeline to a Sketch-Based Visual Analytics Loop. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2109-2118.	4.4	24

#	Article	IF	Citations
19	Visual Supercomputing: Technologies, Applications and Challenges. Computer Graphics Forum, 2005, 24, 217-245.	3.0	21
20	A spherical-plot solution to linking acceleration metrics with animal performance, state, behaviour and lifestyle. Movement Ecology, 2016, 4, 22.	2.8	17
21	Literature Review of Deep Network Compression. Informatics, 2021, 8, 77.	3.9	17
22	Progressive photon relaxation. ACM Transactions on Graphics, 2013, 32, 1-11.	7.2	16
23	Manipulating, Deforming and Animating Sampled Object Representations. Computer Graphics Forum, 2007, 26, 824-852.	3.0	15
24	A Deep Convolutional Auto-Encoder with Embedded Clustering. , 2018, , .		15
25	Pruning CNN filters via quantifying the importance of deep visual representations. Computer Vision and Image Understanding, 2021, 208-209, 103220.	4.7	15
26	Order of Magnitude Markers: An Empirical Study on Large Magnitude Number Detection. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 2261-2270.	4.4	14
27	Photon Parameterisation for Robust Relaxation Constraints. Computer Graphics Forum, 2013, 32, 83-92.	3.0	12
28	Volume distortion and morphing using disk fields. Computers and Graphics, 1996, 20, 567-575.	2.5	11
29	Hierarchical Photon Mapping. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 49-61.	4.4	11
30	FSPE: Visualization of Hyperspectral Imagery Using Faithful Stochastic Proximity Embedding. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 18-22.	3.1	11
31	A Work Efficient Parallel Algorithm for Exact Euclidean Distance Transform. IEEE Transactions on Image Processing, 2019, 28, 5322-5335.	9.8	11
32	Shape representation using space filled sub-voxel distance fields. , 0, , .		10
33	Concurrent time-series selections using deep learning and dimension reduction. Knowledge-Based Systems, 2021, , 107507.	7.1	9
34	Inâ€Compact: Inâ€Kernel Stream Compaction and Its Application to Multiâ€Kernel Data Visualization on Generalâ€Purpose GPUs. Computer Graphics Forum, 2013, 32, 178-188.	3.0	8
35	A Visualization Tool Used to Develop New Photon Mapping Techniques. Computer Graphics Forum, 2015, 34, 127-140.	3.0	7
36	An automatic laser scanning system for accurate 3D reconstruction of indoor scenes. , 2017, , .		7

#	Article	IF	Citations
37	Hypertexturing complex volume objects. Visual Computer, 2002, 18, 226-235.	3.5	6
38	Hybrid Distance Field Computation. Eurographics, 2001, , 195-209.	0.4	6
39	Extending Hypertextures to Non-Geometrically Definable Volume Data. , 2000, , 211-225.		6
40	Mixing Monte Carlo and progressive rendering for improved global illumination. Visual Computer, 2012, 28, 603-612.	3.5	5
41	Probabilistic illumination-aware filtering for Monte Carlo rendering. Visual Computer, 2013, 29, 707-716.	3.5	5
42	Recognition, Tracking, and Optimisation. International Journal of Computer Vision, 2017, 122, 409-410.	15.6	5
43	Lossless Compression For Volumetric Medical Images Using Deep Neural Network With Local Sampling. , 2020, , .		5
44	A new perspective on how humans assess their surroundings; derivation of head orientation and its role in â€˜framingâ€™ the environment. PeerJ, 2015, 3, e908.	2.0	5
45	Analysis of reported error in Monte Carlo rendered images. Visual Computer, 2017, 33, 705-713.	3.5	4
46	MedZip: 3D Medical Images Lossless Compressor Using Recurrent Neural Network (LSTM). , 2021, , .		4
47	Learning Discriminatory Deep Clustering Models. Lecture Notes in Computer Science, 2019, , 224-233.	1.3	4
48	Interacting with Volume Data: Deformations using Forward Projection. , 2007, , .		3
49	Towards Visual Exploration of Large Temporal Datasets. , 2018, , .		3
50	Calibration of Turntable Based 3D Scanning Systems. IEICE Transactions on Information and Systems, 2019, E102.D, 1833-1841.	0.7	2
51	Using the State Space of a BLV Retail Model to Analyse the Dynamics and Categorise Phase Transitions of Urban Development. Urban Science, 2019, 3, 31.	2.3	2
52	Emoji and Chernoff - A Fine Balancing Act or are we Biased?. , 2019, , .		1
53	Neuron-based Network Pruning Based on Majority Voting. , 2021, , .		1
54	CGForum 2009 Cover Image. Computer Graphics Forum, 2009, 28, 172-172.	3.0	0

#	Article	IF	Citations
55	2013 Cover Image: Prism. Computer Graphics Forum, 2013, 32, 216-217.	3.0	0
56	Sampling strategies for learning-based 3D medical image compression. Machine Learning With Applications, 2022, , 100273.	4.4	0