

Daniel Weiskopf

List of Publications by Year in descending order

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58
papers

1,483
citations

471509

17
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377865

34
g-index

59
all docs

59
docs citations

59
times ranked

1027
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualization for Architecture, Engineering, and Construction: Shaping the Future of Our Built World. IEEE Computer Graphics and Applications, 2022, 42, 10-20.	1.2	9
2	Situated Visual Analysis and Live Monitoring for Manufacturing. IEEE Computer Graphics and Applications, 2022, 42, 33-44.	1.2	7
3	Uncertainty Visualization: Concepts, Methods, and Applications in Biological Data Visualization. Frontiers in Bioinformatics, 2022, 2, .	2.1	14
4	Visual Analytics of Multivariate Intensive Care Time Series Data. Computer Graphics Forum, 2022, 41, 273-286.	3.0	5
5	The State of the Art in Empirical User Evaluation of Graph Visualizations. IEEE Access, 2021, 9, 4173-4198.	4.2	11
6	Age-Net: An MRI-Based Iterative Framework for Brain Biological Age Estimation. IEEE Transactions on Medical Imaging, 2021, 40, 1778-1791.	8.9	22
7	Visualization and selection of Dynamic Mode Decomposition components for unsteady flow. Visual Informatics, 2021, 5, 15-27.	4.4	14
8	2019 IEEE Scientific Visualization Contest Winner: Visual Analysis of Structure Formation in Cosmic Evolution. IEEE Computer Graphics and Applications, 2020, 41, 1-1.	1.2	0
9	Efficient 2D Simulation on Moving 3D Surfaces. Computer Graphics Forum, 2020, 39, 27-38.	3.0	3
10	Evaluating Mixed and Augmented Reality: A Systematic Literature Review (2009-2019). , 2020, , .		46
11	Time-Aligned Edge Plots for Dynamic Graph Visualization. , 2020, , .		3
12	Volume-based large dynamic graph analysis supported by evolution provenance. Multimedia Tools and Applications, 2019, 78, 32939-32965.	3.9	0
13	Density-based label placement. Visual Computer, 2019, 35, 1041-1052.	3.5	8
14	Stippling of 2D Scalar Fields. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 2193-2204.	4.4	8
15	Multivariate visualization of particle data. European Physical Journal: Special Topics, 2019, 227, 1741-1755.	2.6	3
16	Visual Analysis of Structure Formation in Cosmic Evolution. , 2019, , .		3
17	Consistent shepard interpolation for SPH-based fluid animation. ACM Transactions on Graphics, 2019, 38, 1-11.	7.2	10
18	Indexed-Points Parallel Coordinates Visualization of Multivariate Correlations. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 1997-2010.	4.4	15

#	ARTICLE	IF	CITATIONS
19	Contrast Enhancement Based on Viewing Distance. , 2018, , .		2
20	Quality Metrics for Information Visualization. Computer Graphics Forum, 2018, 37, 625-662.	3.0	86
21	A Taxonomy and Survey of Dynamic Graph Visualization. Computer Graphics Forum, 2017, 36, 133-159.	3.0	194
22	Visualizing a Sequence of a Thousand Graphs (or Even More). Computer Graphics Forum, 2017, 36, 261-271.	3.0	21
23	Visualizing Group Structures in Graphs: A Survey. Computer Graphics Forum, 2017, 36, 201-225.	3.0	49
24	Comparative eye-tracking evaluation of scatterplots and parallel coordinates. Visual Informatics, 2017, 1, 118-131.	4.4	18
25	Visual Debugging of SPH Simulations. , 2017, , .		4
26	Visual analysis and coding of data-rich user behavior. , 2016, , .		15
27	Generative Data Models for Validation and Evaluation of Visualization Techniques. , 2016, , .		20
28	Visualizing Dynamic Hierarchies in Graph Sequences. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 2343-2357.	4.4	22
29	Visualizing the Evolution of Communities in Dynamic Graphs. Computer Graphics Forum, 2015, 34, 277-288.	3.0	56
30	Visual analysis of biological data-knowledge networks. BMC Bioinformatics, 2015, 16, 135.	2.6	29
31	Edge-stacked Timelines for Visualizing Dynamic Weighted Digraphs. , 2015, , .		4
32	Visualizing DynamicWeighted Digraphs with Partial Links. , 2015, , .		7
33	Evaluating visual analytics with eye tracking. , 2014, , .		49
34	A dynamic graph visualization perspective on eye movement data. , 2014, , .		15
35	Visual Analysis of Trajectories in Multiâ€Dimensional State Spaces. Computer Graphics Forum, 2014, 33, 310-321.	3.0	16
36	Visual Adjacency Lists for Dynamic Graphs. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 1590-1603.	4.4	33

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37	Visualizing Fuzzy Overlapping Communities in Networks. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2486-2495.	4.4	39
38	Visualizing edge-edge relations in graphs. , 2013, , .		4
39	A Matrix-Based Visualization for Exploring Dynamic Compound Digraphs. , 2013, , .		28
40	iVUN: interactive Visualization of Uncertain biochemical reaction Networks. BMC Bioinformatics, 2013, 14, S2.	2.6	11
41	Radial Layered Matrix Visualization of Dynamic Graphs. , 2013, , .		13
42	Rapid Serial Visual Presentation in dynamic graph visualization. , 2012, , .		35
43	GPU-based four-dimensional general-relativistic ray tracing. Computer Physics Communications, 2012, 183, 2282-2290.	7.5	14
44	Detailed study of null and timelike geodesics in the Alcubierre warp spacetime. General Relativity and Gravitation, 2012, 44, 509-533.	2.0	5
45	Layered TimeRadarTrees. , 2011, , .		15
46	General-Relativistic Visualization. Computing in Science and Engineering, 2011, 13, 64-71.	1.2	4
47	Parallel Edge Splatting for Scalable Dynamic Graph Visualization. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 2344-2353.	4.4	135
48	Distortion of the stellar sky by a Schwarzschild black hole. American Journal of Physics, 2010, 78, 204-214.	0.7	16
49	Energy Aware Color Sets. Computer Graphics Forum, 2009, 28, 203-211.	3.0	36
50	Illuminated 3D Scatterplots. Computer Graphics Forum, 2009, 28, 751-758.	3.0	14
51	Continuous Parallel Coordinates. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1531-1538.	4.4	89
52	Continuous Scatterplots. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 1428-1435.	4.4	120
53	Explanatory and illustrative visualization of special and general relativity. IEEE Transactions on Visualization and Computer Graphics, 2006, 12, 522-534.	4.4	39
54	General relativistic image-based rendering. Visual Computer, 2002, 18, 250-258.	3.5	6

#	ARTICLE	IF	CITATIONS
55	Searchlight and Doppler effects in the visualization of special relativity. ACM Transactions on Graphics, 1999, 18, 278-292.	7.2	24
56	Adaptive polygon rendering for interactive visualization in the Schwarzschild spacetime. European Journal of Physics, 0, , .	0.6	0
57	Efficient and Robust Background Modeling with Dynamic Mode Decomposition. Journal of Mathematical Imaging and Vision, 0, , .	1.3	1
58	Local bilinear computation of Jacobi sets. Visual Computer, 0, , .	3.5	1