Daniel Weiskopf

List of Publications by Year
in descending order

58 papers	1,483 citations	471509 17 h-index	377865 34 g-index
59 all docs	59 docs citations	59 times ranked	1027 citing authors

#	Article	IF	Citations
1	A Taxonomy and Survey of Dynamic Graph Visualization. Computer Graphics Forum, 2017, 36, 133-159.	3.0	194
2	Parallel Edge Splatting for Scalable Dynamic Graph Visualization. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 2344-2353.	4.4	135
3	Continuous Scatterplots. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 1428-1435.	4.4	120
4	Continuous Parallel Coordinates. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1531-1538.	4.4	89
5	Quality Metrics for Information Visualization. Computer Graphics Forum, 2018, 37, 625-662.	3.0	86
6	Visualizing the Evolution of Communities in Dynamic Graphs. Computer Graphics Forum, 2015, 34, 277-288.	3.0	56
7	Evaluating visual analytics with eye tracking. , 2014, , .		49
8	Visualizing Group Structures in Graphs: A Survey. Computer Graphics Forum, 2017, 36, 201-225.	3.0	49
9	Evaluating Mixed and Augmented Reality: A Systematic Literature Review (2009-2019). , 2020, , .		46
10	Explanatory and illustrative visualization of special and general relativity. IEEE Transactions on Visualization and Computer Graphics, 2006, 12, 522-534.	4.4	39
11	Visualizing Fuzzy Overlapping Communities in Networks. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2486-2495.	4.4	39
12	Energy Aware Color Sets. Computer Graphics Forum, 2009, 28, 203-211.	3.0	36
13	Rapid Serial Visual Presentation in dynamic graph visualization. , 2012, , .		35
14	Visual Adjacency Lists for Dynamic Graphs. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 1590-1603.	4.4	33
15	Visual analysis of biological data-knowledge networks. BMC Bioinformatics, 2015, 16, 135.	2.6	29
16	A Matrix-Based Visualization for Exploring Dynamic Compound Digraphs. , 2013, , .		28
17	Searchlight and Doppler effects in the visualization of special relativity. ACM Transactions on Graphics, 1999, 18, 278-292.	7.2	24
18	Visualizing Dynamic Hierarchies in Graph Sequences. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 2343-2357.	4.4	22

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19	Age-Net: An MRI-Based Iterative Framework for Brain Biological Age Estimation. IEEE Transactions on Medical Imaging, 2021, 40, 1778-1791.	8.9	22
20	Visualizing a Sequence of a Thousand Graphs (or Even More). Computer Graphics Forum, 2017, 36, 261-271.	3.0	21
21	Generative Data Models for Validation and Evaluation of Visualization Techniques. , 2016, , .		20
22	Comparative eye-tracking evaluation of scatterplots and parallel coordinates. Visual Informatics, 2017, 1, 118-131.	4.4	18
23	Distortion of the stellar sky by a Schwarzschild black hole. American Journal of Physics, 2010, 78, 204-214.	0.7	16
24	Visual Analysis of Trajectories in Multiâ€Dimensional State Spaces. Computer Graphics Forum, 2014, 33, 310-321.	3.0	16
25	Layered TimeRadarTrees. , 2011, , .		15
26	A dynamic graph visualization perspective on eye movement data. , 2014, , .		15
27	Visual analysis and coding of data-rich user behavior. , 2016, , .		15
28	Indexed-Points Parallel Coordinates Visualization of Multivariate Correlations. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 1997-2010.	4.4	15
29	Illuminated 3D Scatterplots. Computer Graphics Forum, 2009, 28, 751-758.	3.0	14
30	GPU-based four-dimensional general-relativistic ray tracing. Computer Physics Communications, 2012, 183, 2282-2290.	7.5	14
31	Visualization and selection of Dynamic Mode Decomposition components for unsteady flow. Visual Informatics, 2021, 5, 15-27.	4.4	14
32	Uncertainty Visualization: Concepts, Methods, and Applications in Biological Data Visualization. Frontiers in Bioinformatics, 2022, 2, .	2.1	14
33	Radial Layered Matrix Visualization of Dynamic Graphs. , 2013, , .		13
34	iVUN: interactive Visualization of Uncertain biochemical reaction Networks. BMC Bioinformatics, 2013, 14, S2.	2.6	11
35	The State of the Art in Empirical User Evaluation of Graph Visualizations. IEEE Access, 2021, 9, 4173-4198.	4.2	11
36	Consistent shepard interpolation for SPH-based fluid animation. ACM Transactions on Graphics, 2019, 38, 1-11.	7.2	10

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37	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
38	Density-based label placement. Visual Computer, 2019, 35, 1041-1052.	3.5	8
39	Stippling of 2D Scalar Fields. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 2193-2204.	4.4	8
40	Visualizing DynamicWeighted Digraphs with Partial Links. , 2015, , .		7
41	Situated Visual Analysis and Live Monitoring for Manufacturing. IEEE Computer Graphics and Applications, 2022, 42, 33-44.	1.2	7
42	General relativistic image-based rendering. Visual Computer, 2002, 18, 250-258.	3.5	6
43	Detailed study of null and timelike geodesics in the Alcubierre warp spacetime. General Relativity and Gravitation, 2012, 44, 509-533.	2.0	5
44	Visual Analytics of Multivariate Intensive Care Time Series Data. Computer Graphics Forum, 2022, 41, 273-286.	3.0	5
45	General-Relativistic Visualization. Computing in Science and Engineering, 2011, 13, 64-71.	1.2	4
46	Visualizing edge-edge relations in graphs. , 2013, , .		4
47	Visual Debugging of SPH Simulations. , 2017, , .		4
48	Edge-stacked Timelines for Visualizing Dynamic Weighted Digraphs. , 2015, , .		4
49	Multivariate visualization of particle data. European Physical Journal: Special Topics, 2019, 227, 1741-1755.	2.6	3
50	Visual Analysis of Structure Formation in Cosmic Evolution. , 2019, , .		3
51	Efficient 2D Simulation on Moving 3D Surfaces. Computer Graphics Forum, 2020, 39, 27-38.	3.0	3
52	Time-Aligned Edge Plots for Dynamic Graph Visualization. , 2020, , .		3
53	Contrast Enhancement Based on Viewing Distance. , 2018, , .		2
54	Efficient and Robust Background Modeling with Dynamic Mode Decomposition. Journal of Mathematical Imaging and Vision, 0, , .	1.3	1

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55	Local bilinear computation of Jacobi sets. Visual Computer, 0, , .	3.5	1
56	Volume-based large dynamic graph analysis supported by evolution provenance. Multimedia Tools and Applications, 2019, 78, 32939-32965.	3.9	0
57	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
58	Adaptive polygon rendering for interactive visualization in the Schwarzschild spacetime. European Journal of Physics, 0, , .	0.6	0