Heidrun Schumann

List of Publications by Year
in descending order

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67	2,757	430874	223800
papers	citations	18 h-index	46 g-index

72	72	72	2031
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A data-driven platform for the coordination of independent Visual Analytics tools. Computers and Graphics, 2022, , .	2.5	2
2	Responsive Matrix Cells: A Focus+Context Approach for Exploring and Editing Multivariate Graphs. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1644-1654.	4.4	11
3	Thickness of Intraretinal Layers in Patients with Type 2 Diabetes Mellitus Depending on a Concomitant Diabetic Neuropathy: Results of a Cross-Sectional Study Using Deviation Maps for OCT Data Analysis. Biomedicines, 2020, 8, 190.	3.2	4
4	Making Parameter Dependencies of Timeâ€Series Segmentation Visually Understandable. Computer Graphics Forum, 2020, 39, 607-622.	3.0	13
5	A Layered Approach to Lightweight Toolchaining in Visual Analytics. Communications in Computer and Information Science, 2020, , 313-337.	0.5	1
6	A Characterization of Data Exchange between Visual Analytics Tools. , 2020, , .		0
7	Enhanced Grid-Based Visual Analysis of Retinal Layer Thickness with Optical Coherence Tomography. Information (Switzerland), 2019, 10, 266.	2.9	10
8	Deviation Maps for Understanding Thickness Changes of Inner Retinal Layers in Children with Type 1 Diabetes Mellitus. Current Eye Research, 2019, 44, 746-752.	1.5	7
9	Towards Accurate Visualization and Measurement of Localized Changes in Intraretinal Layer Thickness. , 2019, , .		0
10	Combining Visual Cleansing and Exploration for Clinical Data. , 2019, , .		3
11	Lightweight Coordination of Multiple Independent Visual Analytics Tools. , 2019, , .		4
12	Grid-based Exploration of OCT Thickness Data of Intraretinal Layers. , 2019, , .		2
13	A Review and Characterization of Progressive Visual Analytics. Informatics, 2018, 5, 31.	3.9	36
14	Visual analysis of retinal changes with optical coherence tomography. Visual Computer, 2018, 34, 1209-1224.	3.5	14
15	A systematic view on data descriptors for the visual analysis of tabular data. Information Visualization, 2017, 16, 232-256.	1.9	16
16	Visualization of Features in 3D Terrain. ISPRS International Journal of Geo-Information, 2017, 6, 357.	2.9	4
17	Visualizing 3D Terrain, Geo-Spatial Data, and Uncertainty. Informatics, 2017, 4, 6.	3.9	11
18	Direct Visual Editing of Node Attributes in Graphs. Informatics, 2016, 3, 17.	3.9	6

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19	GeoVisual analytics: interactivity, dynamics, and scale. Cartography and Geographic Information Science, 2016, 43, 1-2.	3.0	18
20	An Enhanced Visualization Process Model for Incremental Visualization. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 1830-1842.	4.4	32
21	Interactive Presentation of Geo-Spatial Climate Data in Multi-Display Environments. ISPRS International Journal of Geo-Information, 2015, 4, 493-514.	2.9	3
22	Sequencing of categorical time series. , 2015, , .		2
23	Supporting activity recognition by visual analytics. , 2015, , .		9
24	Supporting presentation and discussion of visualization results in smart meeting rooms. Visual Computer, 2015, 31, 1271-1286.	3.5	3
25	A Novel Infrastructure for Supporting Display Ecologies. Lecture Notes in Computer Science, 2015, , 722-732.	1.3	0
26	2D and 3D presentation of spatial data: A systematic review. , 2014, , .		45
27	GeoVisual analytics, time to focus on time. Information Visualization, 2014, 13, 187-189.	1.9	2
28	Analyzing simulations of biochemical systems with feature-based visual analytics. Computers and Graphics, 2014, 38, 18-26.	2.5	1
29	A Modular Degree-of-Interest Specification for the Visual Analysis of Large Dynamic Networks. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 337-350.	4.4	34
30	Visualization of Trajectory Attributes in Spaceâ€“Time Cube and Trajectory Wall. Lecture Notes in Geoinformation and Cartography, 2014, , 157-163.	1.0	24
31	Constructing and visualizing chemical reaction networks from pi-calculus models. Formal Aspects of Computing, 2013, 25, 723-742.	1.8	5
32	Supporting the Visual Analysis of Dynamic Networks by Clustering associated Temporal Attributes. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2267-2276.	4.4	28
33	A Design Space of Visualization Tasks. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2366-2375.	4.4	138
34	Visualization to Support Augmented Web Browsing. , 2013, , .		3
35	Navigation Recommendations for Exploring Hierarchical Graphs. Lecture Notes in Computer Science, 2013, , 36-47.	1.3	13
36	Web-Based Exploration of Photos with Time and Geospace. Lecture Notes in Business Information Processing, 2013, , 153-166.	1.0	1

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37	Smart Interaction Management: An Interaction Approach for Smart Meeting Rooms. , 2012, , .		5
38	Heterogeneity-based guidance for exploring multiscale data in systems biology. , 2012, , .		13
39	Stacking-Based Visualization of Trajectory Attribute Data. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 2565-2574.	4.4	227
40	Model-Driven Design for the Visual Analysis of Heterogeneous Data. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 998-1010.	4.4	42
41	Visualizing Tags with Spatiotemporal References. , 2011, , .		16
42	The Design Space of Implicit Hierarchy Visualization: A Survey. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 393-411.	4.4	115
43	Point-Based Visualization for Large Hierarchies. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 598-611.	4.4	13
44	In Situ Exploration of Large Dynamic Networks. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 2334-2343.	4.4	51
45	Visualization of Time-Oriented Data. Human-computer Interaction Series, 2011, , .	0.6	462
46	Smart Views in Smart Environments. Lecture Notes in Computer Science, 2011, , 1-12.	1.3	6
47	Physical Navigation to Support Graph Exploration on a Large High-Resolution Display. Lecture Notes in Computer Science, 2011, , 496-507.	1.3	6
48	Visualization Aspects. Human-computer Interaction Series, 2011, , 69-103.	0.6	0
49	Analytical Support. Human-computer Interaction Series, 2011, , 127-145.	0.6	0
50	Space, time and visual analytics. International Journal of Geographical Information Science, 2010, 24, 1577-1600.	4.8	342
51	GeoVA(t) â€“ Geospatial visual analytics: focus on time. Journal of Location Based Services, 2010, 4, 141-146.	1.9	5
52	Tangible views for information visualization. , 2010, , .		77
53	Visual support for the understanding of simulation processes. , 2009, , .		19
54	CGVâ€”An interactive graph visualization system. Computers and Graphics, 2009, 33, 660-678.	2.5	95

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55	Service-Oriented Information Visualization for Smart Environments. , 2009, , .		7
56	Visual Methods for Analyzing Time-Oriented Data. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 47-60.	4.4	196
57	Particle-based labeling: Fast point-feature labeling without obscuring other visual features. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 1237-1244.	4.4	51
58	Visualization of Gene Combinations. , 2008, , .		5
59	Visual and analytical extensions for the table lens. , 2008, , .		9
60	Smart Lenses. Lecture Notes in Computer Science, 2008, , 178-189.	1.3	8
61	Adaptive Layout for Interactive Documents. Lecture Notes in Computer Science, 2008, , 247-254.	1.3	8
62	Visual support for modeling and simulation of cell biological systems. , 2007, , .		0
63	Towards a conceptual framework for visual analytics of time and time-oriented data. , 2007, , .		26
64	Visualizing time-oriented dataâ€"A systematic view. Computers and Graphics, 2007, 31, 401-409.	2.5	261
65	Axes-based visualizations with radial layouts. , 2004, , .		102
66	Methods for the visualization of clustered climate data. Computational Statistics, 2004, 19, 75-94.	1.5	30
67	General rectangular fisheye views for 2D graphics. Computers and Graphics, 2001, 25, 609-617.	2.5	22