Wolfgang Aigner

List of Publications by Year
in descending order

63	2,132	361413	330143
papers	citations	20 h-index	37 g-index

65	65	65	1499
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reflections on Visualization Research Projects in the Manufacturing Industry. IEEE Computer Graphics and Applications, 2022, 42, 21-32.	1.2	2
2	Perspectives of visualization onboarding and guidance in VA. Visual Informatics, 2022, 6, 68-83.	4.4	11
3	Situated Visualization of Historical Timeline Data on Mobile Devices: Design Study for a Museum Application. Lecture Notes in Computer Science, 2021, , 536-557.	1.3	1
4	netflower: Dynamic Network Visualization for Data Journalists. Computer Graphics Forum, 2019, 38, 699-711.	3.0	11
5	Towards a Structural Framework for Explicit Domain Knowledge in Visual Analytics. , 2019, , .		8
6	KAVAGait: Knowledge-Assisted Visual Analytics for Clinical Gait Analysis. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 1528-1542.	4.4	30
7	Diagram Safari: A Visualization Literacy Game for Young Children. , 2019, , .		13
8	TACO: Visualizing Changes in Tables Over Time. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 677-686.	4.4	21
9	VIAL: a unified process for visual interactive labeling. Visual Computer, 2018, 34, 1189-1207.	3.5	50
10	ViennAR: User-Centered-Design of a Bring Your Own Device Mobile Application with Augmented Reality. Lecture Notes in Computer Science, 2018, , 275-291.	1.3	2
11	Visualizing Text Data in Space and Time to Augment a Political News Broadcast on a Second Screen. , 2018, , .		0
12	A knowledge-assisted visual malware analysis system: Design, validation, and reflection of KAMAS. Computers and Security, 2017, 67, 1-15.	6.0	31
13	Visual Analytics of Electronic Health Records with a Focus on Time. TELe-Health, 2017, , 65-77.	0.4	9
14	Visualizing spatial and time-oriented data in a second screen application. , 2017, , .		1
15	Bringing Your Own Device into Multi-device Ecologies. , 2017, , .		5
16	The Role of Explicit Knowledge: A Conceptual Model of Knowledge-Assisted Visual Analytics. , 2017, , .		31
17	The Stateâ€ofâ€theâ€Art of Set Visualization. Computer Graphics Forum, 2016, 35, 234-260.	3.0	74
18	Native Cross-Platform Visualization: A Proof of Concept Based on the Unity3D Game Engine. , 2016, , .		7

#	Article	IF	Citations
19	Evaluating Information Visualization on Mobile Devices. , 2016, , .		14
20	Multi-device Visualisation Design for Climbing Self-Assessment. , 2016, , .		2
21	Task Cube: A three-dimensional conceptual space of user tasks in visualization design and evaluation. Information Visualization, 2016, 15, 288-300.	1.9	34
22	ThermalPlot: Visualizing Multi-Attribute Time-Series Data Using a Thermal Metaphor. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 2594-2607.	4.4	17
23	Visually and statistically guided imputation of missing values in univariate seasonal time series. , 2015, , .		11
24	TimeCleanser. , 2014, , .		32
25	Qualizon graphs. , 2014, , .		18
26	Problem characterization and abstraction for visual analytics in behavior-based malware pattern analysis. , 2014, , .		13
27	User tasks for evaluation. , 2014, , .		4
28	Mind the time: Unleashing temporal aspects in pattern discovery. Computers and Graphics, 2014, 38, 38-50.	2.5	10
29	A matter of time: Applying a dataâ€“usersâ€“tasks design triangle to visual analytics of time-oriented data. Computers and Graphics, 2014, 38, 286-290.	2.5	110
30	How Do You Connect Moving Dots? Insights from User Studies on Dynamic Network Visualizations. , 2014, , 623-650.		6
31	TimeBench: A Data Model and Software Library for Visual Analytics of Time-Oriented Data. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2247-2256.	4.4	20
32	On Visualizing Knowledge Flows at a University Department. Procedia, Social and Behavioral Sciences, 2013, 100, 127-143.	0.5	2
33	Visual Analytics for Model Selection in Time Series Analysis. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2237-2246.	4.4	43
34	Radial Sets: Interactive Visual Analysis of Large Overlapping Sets. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2496-2505.	4.4	63
35	EvalBench: A Software Library for Visualization Evaluation. Computer Graphics Forum, 2013, 32, 41-50.	3.0	16
36	Current Work Practice and Users' Perspectives on Visualization and Interactivity in Business Intelligence. , 2013, , .		6

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37	Interactive Visual Transformation for Symbolic Representation of Time-Oriented Data. Lecture Notes in Computer Science, 2013, , 400-419.	1.3	1
38	Vertigo zoom. , 2012, , .		9
39	Visual Analysis of Dynamic Networks Using Change Centrality. , 2012, , .		19
40	Reinventing the Contingency Wheel: Scalable Visual Analytics of Large Categorical Data. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 2849-2858.	4.4	22
41	Analysing Interactivity in Information Visualisation. KI - Kunstliche Intelligenz, 2012, 26, 151-159.	3.2	18
42	Comparative Evaluation of an Interactive Timeâ€Series Visualization that Combines Quantitative Data with Qualitative Abstractions. Computer Graphics Forum, 2012, 31, 995-1004.	3.0	34
43	A Taxonomy of Dirty Time-Oriented Data. Lecture Notes in Computer Science, 2012, , 58-72.	1.3	39
44	CareCruiser: Exploring and visualizing plans, events, and effects interactively. , 2011, , .		49
45	Patient Development at a Glance: An Evaluation of a Medical Data Visualization. Lecture Notes in Computer Science, 2011, , 292-299.	1.3	19
46	A visual analytics approach to dynamic social networks. , 2011, , .		38
47	A-plan. , 2011, , .		1
48	Bertin was Right: An Empirical Evaluation of Indexing to Compare Multivariate Timeâ€Series Data Using Line Plots. Computer Graphics Forum, 2011, 30, 215-228.	3.0	9
49	Time & Time-Oriented Data. Human-computer Interaction Series, 2011, , 45-68.	0.6	12
50	Survey of Visualization Techniques. Human-computer Interaction Series, 2011, , 147-254.	0.6	8
51	Visualization of Time-Oriented Data. Human-computer Interaction Series, 2011, , .	0.6	462
52	Mapping the Usersâ€™ Problem Solving Strategies in the Participatory Design of Visual Analytics Methods. Lecture Notes in Computer Science, 2010, , 1-13.	1.3	1
53	Hierarchical Temporal Patterns and Interactive Aggregated Views for Pixel-Based Visualizations. , 2009, , .		23
54	To Score or Not to Score? Tripling Insights for Participatory Design. IEEE Computer Graphics and Applications, 2009, 29, 29-38.	1.2	31

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55	Visual Methods for Analyzing Time-Oriented Data. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 47-60.	4.4	196
56	A Comparison of Programming Platforms for Interactive Visualization in Web Browser Based Applications. , 2008, , .		7
57	Comparing Information Visualization Tools Focusing on the Temporal Dimensions. , 2008, , .		5
58	Visualizations at First Sight: Do Insights Require Training?. Lecture Notes in Computer Science, 2008, , 261-280.	1.3	12
59	A Concept to Support Seamless Spectator Participation in Sports Events Based on Wearable Motion Sensors. , 2007, , .		7
60	Visualizing time-oriented dataâ€"A systematic view. Computers and Graphics, 2007, 31, 401-409.	2.5	261
61	Tutorial: Introduction to Visual Analytics. , 2007, , 453-456.		5
62	CareVis: Integrated visualization of computerized protocols and temporal patient data. Artificial Intelligence in Medicine, 2006, 37, 203-218.	6.5	69
63	Design and Evaluation of an Interactive Visualization of Therapy Plans and Patient Data. , 0, , .		2