

Silvia Miksch

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

3,564
citations

249298

26
h-index

198040

52
g-index

81
all docs

81
docs citations

81
times ranked

2600
citing authors

#	ARTICLE	IF	CITATIONS
1	Perspectives of visualization onboarding and guidance in VA. <i>Visual Informatics</i> , 2022, 6, 68-83.	2.5	11
2	A theoretical model for pattern discovery in visual analytics. <i>Visual Informatics</i> , 2021, 5, 23-42.	2.5	31
3	Gone full circle: A radial approach to visualize event-based networks in digital humanities. <i>Visual Informatics</i> , 2021, 5, 45-60.	2.5	11
4	Exploratory User Study on Graph Temporal Encodings. , 2021, , .		2
5	Toward flexible visual analytics augmented through smooth display transitions. <i>Visual Informatics</i> , 2021, 5, 28-38.	2.5	14
6	NEVA: Visual Analytics to Identify Fraudulent Networks. <i>Computer Graphics Forum</i> , 2020, 39, 344-359.	1.8	8
7	Guide Me in Analysis: A Framework for Guidance Designers. <i>Computer Graphics Forum</i> , 2020, 39, 269-288.	1.8	17
8	Hermes: Guidance-enriched Visual Analytics for economic network exploration. <i>Visual Informatics</i> , 2020, 4, 11-22.	2.5	6
9	Many Views Are Not Enough: Designing for Synoptic Insights in Cultural Collections. <i>IEEE Computer Graphics and Applications</i> , 2020, 40, 58-71.	1.0	5
10	VAIM: Visual Analytics for Influence Maximization. <i>Lecture Notes in Computer Science</i> , 2020, , 115-123.	1.0	1
11	Knowledge-Assisted Visualization and Guidance. , 2020, , 61-85.		2
12	COVIs: Supporting Temporal Visual Analysis of Covid-19 Events Usable in Data-Driven Journalism. , 2020, , .		4
13	CV3: Visual Exploration, Assessment, and Comparison of CVs. <i>Computer Graphics Forum</i> , 2019, 38, 107-118.	1.8	5
14	Capturing and Visualizing Provenance From Data Wrangling. <i>IEEE Computer Graphics and Applications</i> , 2019, 39, 61-75.	1.0	14
15	Sabrina: Modeling and Visualization of Financial Data over Time with Incremental Domain Knowledge. , 2019, , .		9
16	You get by with a little help: The effects of variable guidance degrees on performance and mental state. <i>Visual Informatics</i> , 2019, 3, 177-191.	2.5	4
17	Visualization of Cultural Heritage Collection Data: State of the Art and Future Challenges. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2019, 25, 2311-2330.	2.9	91
18	Viewing Visual Analytics as Model Building. <i>Computer Graphics Forum</i> , 2018, 37, 275-299.	1.8	58

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19	EVA: Visual Analytics to Identify Fraudulent Events. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 330-339.	2.9	37
20	Visual analytics for event detection: Focusing on fraud. Visual Informatics, 2018, 2, 198-212.	2.5	32
21	Visual Interactive Creation, Customization, and Analysis of Data Quality Metrics. Journal of Data and Information Quality, 2018, 10, 1-26.	1.5	12
22	Visual support for rastering of unequally spaced time series. , 2017, , .		6
23	Cycle Plot Revisited: Multivariate Outlier Detection Using a Distance-Based Abstraction. Computer Graphics Forum, 2017, 36, 227-238.	1.8	6
24	Characterizing Guidance in Visual Analytics. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 111-120.	2.9	151
25	A Survey on Visual Approaches for Analyzing Scientific Literature and Patents. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 2179-2198.	2.9	55
26	The Role of Explicit Knowledge: A Conceptual Model of Knowledge-Assisted Visual Analytics. , 2017, , .		31
27	The State-of-the-Art of Set Visualization. Computer Graphics Forum, 2016, 35, 234-260.	1.8	74
28	A Nested Workflow Model for Visual Analytics Design and Validation. , 2016, , .		7
29	Task Cube: A three-dimensional conceptual space of user tasks in visualization design and evaluation. Information Visualization, 2016, 15, 288-300.	1.2	34
30	Visual Encodings of Temporal Uncertainty: A Comparative User Study. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 539-548.	2.9	51
31	Evaluation of Two Interaction Techniques for Visualization of Dynamic Graphs. Lecture Notes in Computer Science, 2016, , 557-571.	1.0	4
32	Visually and statistically guided imputation of missing values in univariate seasonal time series. , 2015, , .		11
33	Visual Analytics for fraud detection and monitoring. , 2015, , .		8
34	Supporting activity recognition by visual analytics. , 2015, , .		9
35	A Concept for the Exploratory Visualization of Patent Network Dynamics. , 2015, , .		2
36	Visual Methods for Analyzing Probabilistic Classification Data. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 1703-1712.	2.9	81

#	ARTICLE	IF	CITATIONS
37	TimeCleanser. , 2014, , .		32
38	TimeGraph: A data management framework for visual analytics of large multivariate time-oriented networks. , 2014, , .		2
39	Qualizon graphs. , 2014, , .		18
40	User tasks for evaluation. , 2014, , .		4
41	Experiences and challenges with evaluation methods in practice. , 2014, , .		2
42	Mind the time: Unleashing temporal aspects in pattern discovery. Computers and Graphics, 2014, 38, 38-50.	1.4	10
43	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.	1.4	110
44	Visual process mining: Event data exploration and analysis. , 2014, , .		0
45	Analyzing parameter influence on time-series segmentation and labeling. , 2014, , .		2
46	How Do You Connect Moving Dots? Insights from User Studies on Dynamic Network Visualizations. , 2014, , 623-650.		6
47	Temporal Multivariate Networks. Lecture Notes in Computer Science, 2014, , 151-174.	1.0	27
48	Evaluating the Dot-Based Contingency Wheel: Results from a Usability and Utility Study. Lecture Notes in Computer Science, 2014, , 76-86.	1.0	0
49	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.	2.9	20
50	Visual Analytics for Model Selection in Time Series Analysis. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2237-2246.	2.9	43
51	Radial Sets: Interactive Visual Analysis of Large Overlapping Sets. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2496-2505.	2.9	63
52	Interactive Visual Transformation for Symbolic Representation of Time-Oriented Data. Lecture Notes in Computer Science, 2013, , 400-419.	1.0	1
53	Vertigo zoom. , 2012, , .		9
54	Reinventing the Contingency Wheel: Scalable Visual Analytics of Large Categorical Data. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 2849-2858.	2.9	22

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55	Analysing Interactivity in Information Visualisation. KI - Kunstliche Intelligenz, 2012, 26, 151-159.	2.2	18
56	Guest Editors' Introduction: Special Section on the IEEE Conference on Visual Analytics Science and Technology (VAST). IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 660-661.	2.9	1
57	A Taxonomy of Dirty Time-Oriented Data. Lecture Notes in Computer Science, 2012, , 58-72.	1.0	39
58	CareCruiser: Exploring and visualizing plans, events, and effects interactively. , 2011, , .		49
59	Patient Development at a Glance: An Evaluation of a Medical Data Visualization. Lecture Notes in Computer Science, 2011, , 292-299.	1.0	19
60	A visual analytics approach to dynamic social networks. , 2011, , .		38
61	Bertin was Right: An Empirical Evaluation of Indexing to Compare Multivariate Time-Series Data Using Line Plots. Computer Graphics Forum, 2011, 30, 215-228.	1.8	9
62	Visualization of Time-Oriented Data. Human-computer Interaction Series, 2011, , .	0.4	462
63	Visualization Aspects. Human-computer Interaction Series, 2011, , 69-103.	0.4	0
64	Mapping the Users's Problem Solving Strategies in the Participatory Design of Visual Analytics Methods. Lecture Notes in Computer Science, 2010, , 1-13.	1.0	1
65	Hierarchical Temporal Patterns and Interactive Aggregated Views for Pixel-Based Visualizations. , 2009, , .		23
66	Versioning computer-interpretable guidelines: Semi-automatic modeling of "Living Guidelines" using an information extraction method. Artificial Intelligence in Medicine, 2009, 46, 55-66.	3.8	40
67	To Score or Not to Score? Tripling Insights for Participatory Design. IEEE Computer Graphics and Applications, 2009, 29, 29-38.	1.0	31
68	Visual Methods for Analyzing Time-Oriented Data. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 47-60.	2.9	196
69	Visualizations at First Sight: Do Insights Require Training?. Lecture Notes in Computer Science, 2008, , 261-280.	1.0	12
70	Visualizing time-oriented data - A systematic view. Computers and Graphics, 2007, 31, 401-409.	1.4	261
71	How can information extraction ease formalizing treatment processes in clinical practice guidelines?. Artificial Intelligence in Medicine, 2007, 39, 151-163.	3.8	41
72	Tutorial: Introduction to Visual Analytics. , 2007, , 453-456.		5

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73	Comparing Computer-interpretable Guideline Models: A Case-study Approach. Journal of the American Medical Informatics Association: JAMIA, 2003, 10, 52-68.	2.2	407
74	Metaphors of movement: a visualization and user interface for time-oriented, skeletal plans. Artificial Intelligence in Medicine, 2001, 22, 111-131.	3.8	69
75	The Asgaard project: a task-specific framework for the application and critiquing of time-oriented clinical guidelines. Artificial Intelligence in Medicine, 1998, 14, 29-51.	3.8	345
76	Utilizing temporal data abstraction for data validation and therapy planning for artificially ventilated newborn infants. Artificial Intelligence in Medicine, 1996, 8, 543-576.	3.8	97
77	PlanningLines: Novel Glyphs for Representing Temporal Uncertainties and Their Evaluation. , 0, , .		55
78	Design and Evaluation of an Interactive Visualization of Therapy Plans and Patient Data. , 0, , .		2