

Karsten Klein

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,326
citations

471509

17
h-index

395702

33
g-index

45
all docs

45
docs citations

45
times ranked

1523
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing and visualizing residue networks of protein structures. Trends in Biochemical Sciences, 2011, 36, 179-182.	7.5	244
2	Interactive exploration of chemical space with Scaffold Hunter. Nature Chemical Biology, 2009, 5, 581-583.	8.0	207
3	Immersive Analytics. , 2015, , .		158
4	Immersive Collaborative Analysis of Network Connectivity: CAVE-style or Head-Mounted Display?. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 441-450.	4.4	133
5	Immersive Analytics: An Introduction. Lecture Notes in Computer Science, 2018, , 1-23.	1.3	51
6	Scaffold Hunter: a comprehensive visual analytics framework for drug discovery. Journal of Cheminformatics, 2017, 9, 28.	6.1	49
7	Exploring the limits of complexity: A survey of empirical studies on graph visualisation. Visual Informatics, 2018, 2, 264-282.	4.4	48
8	A high-throughput approach to identify specific neurotoxicants / developmental toxicants in human neuronal cell function assays. ALTEX: Alternatives To Animal Experimentation, 2018, 35, 235-253.	1.5	46
9	Graph Thumbnails: Identifying and Comparing Multiple Graphs at a Glance. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 3081-3095.	4.4	31
10	Shape-Based Quality Metrics for Large Graph Visualization. Journal of Graph Algorithms and Applications, 2017, 21, 29-53.	0.4	31
11	Immersive Analytics with Abstract 3D Visualizations: A Survey. Computer Graphics Forum, 2022, 41, 201-229.	3.0	31
12	High-dimensional data visualization by interactive construction of low-dimensional parallel coordinate plots. Journal of Visual Languages and Computing, 2017, 43, 1-13.	1.8	27
13	The Value of Immersive Visualization. IEEE Computer Graphics and Applications, 2021, 41, 125-132.	1.2	26
14	Automatic Layout of UML Class Diagrams in Orthogonal Style. Information Visualization, 2004, 3, 189-208.	1.9	24
15	Planarity Testing and Optimal Edge Insertion with Embedding Constraints. Journal of Graph Algorithms and Applications, 2008, 12, 73-95.	0.4	24
16	A Visual Analytics Approach Using the Exploration of Multidimensional Feature Spaces for Content-Based Medical Image Retrieval. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1734-1746.	6.3	22
17	Visual Analysis of Biological Activity Data with Scaffold Hunter. Molecular Informatics, 2013, 32, 964-975.	2.5	18
18	Fly with the flock: immersive solutions for animal movement visualization and analytics. Journal of the Royal Society Interface, 2019, 16, 20180794.	3.4	18

#	ARTICLE	IF	CITATIONS
19	Key-Node-Separated Graph Clustering and Layouts for Human Relationship Graph Visualization. IEEE Computer Graphics and Applications, 2015, 35, 30-40.	1.2	17
20	Algorithms and Characterizations for 2-Layer Fan-planarity: From Caterpillar to Stegosaurus. Journal of Graph Algorithms and Applications, 2017, 21, 81-102.	0.4	15
21	3D-Stereoscopic Immersive Analytics Projects at Monash University and University of Konstanz. IS&T International Symposium on Electronic Imaging, 2017, 29, 179-187.	0.4	10
22	A review and outlook on visual analytics for uncertainties in functional magnetic resonance imaging. Brain Informatics, 2018, 5, 5.	3.0	9
23	Health monitoring in birds using bio-loggers and whole blood transcriptomics. Scientific Reports, 2021, 11, 10815.	3.3	9
24	Immersive Analytics Applications in Life and Health Sciences. Lecture Notes in Computer Science, 2018, , 289-330.	1.3	7
25	The Graph Landscape: using visual analytics for graph set analysis. Journal of Visualization, 2017, 20, 417-432.	1.8	6
26	Challenges for Brain Data Analysis in VR Environments. , 2019, , .		6
27	Graph Planarity by Replacing Cliques with Paths. Algorithms, 2020, 13, 194.	2.1	6
28	Algorithm Engineering: Concepts and Practice. , 2010, , 131-158.		6
29	Advances on Testing C-Planarity of Embedded Flat Clustered Graphs. International Journal of Foundations of Computer Science, 2019, 30, 197-230.	1.1	5
30	TEAMWISE: synchronised immersive environments for exploration and analysis of animal behaviour. Journal of Visualization, 2021, 24, 845-859.	1.8	5
31	Investigation of microcystin conformation and binding towards PPP1 by molecular dynamics simulation. Chemico-Biological Interactions, 2022, 351, 109766.	4.0	5
32	Visualization and analysis of RNA-Seq assembly graphs. Nucleic Acids Research, 2019, 47, 7262-7275.	14.5	4
33	Visual analytics of sensor movement data for cheetah behaviour analysis. Journal of Visualization, 2021, 24, 807-825.	1.8	4
34	Visual exploration of large metabolic models. Bioinformatics, 2021, 37, 4460-4468.	4.1	4
35	An Uncertainty Visual Analytics Framework for fMRI Functional Connectivity. Neuroinformatics, 2019, 17, 211-223.	2.8	3
36	Tiled Stereoscopic 3D Display Wall - Concept, Applications and Evaluation. IS&T International Symposium on Electronic Imaging, 2019, 31, 641-1-641-15.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Mental-Map Preserving Visualisation of Partitioned Networks in Vanted. Journal of Integrative Bioinformatics, 2019, 16, .	1.5	2
38	Visual Analytics for Cheetah Behaviour Analysis. , 2019, , .		2
39	TEAMwISE. , 2019, , .		2
40	On Turn-Regular Orthogonal Representations. Lecture Notes in Computer Science, 2020, , 250-264.	1.3	2
41	Spatially resolved transcriptomics in immersive environments. Visual Computing for Industry, Biomedicine, and Art, 2022, 5, 2.	3.7	2
42	The Graph Landscape. , 2015, , .		1