Michael Wybrow

List of Publications by Year
in descending order

35 papers	**824** citations	687363 **13** h-index	526287 **27** g-index
38 all docs	**38** docs citations	**38** times ranked	**1265** citing authors

#	Article	IF	Citations
1	Automatic generation of protein structure cartoons with Pro-origami. Bioinformatics, 2011, 27, 3315-3316.	4.1	173
2	Path2Models: large-scale generation of computational models from biochemical pathway maps. BMC Systems Biology, 2013, 7, 116.	3.0	145
3	HOLA: Human-like Orthogonal Network Layout. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 349-358.	4.4	52
4	Exploration of Networks using overview+detail with Constraint-based cooperative layout. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 1293-1300.	4.4	46
5	Memorability of Visual Features in Network Diagrams. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 2477-2485.	4.4	43
6	Integrating Edge Routing into Force-Directed Layout. , 2006, , 8-19.		32
7	Graph Thumbnails: Identifying and Comparing Multiple Graphs at a Glance. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 3081-3095.	4.4	31
8	A generic algorithm for layout of biological networks. BMC Bioinformatics, 2009, 10, 375.	2.6	30
9	Dunnart: A Constraint-Based Network Diagram Authoring Tool. Lecture Notes in Computer Science, 2009, , 420-431.	1.3	28
10	Topology Preserving Constrained Graph Layout. Lecture Notes in Computer Science, 2009, , 230-241.	1.3	22
11	Scalability of Network Visualisation from a Cognitive Load Perspective. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1677-1687.	4.4	20
12	Unscripted Retargeting: Reach Prediction for Haptic Retargeting in Virtual Reality. , 2021, , .		17
13	Orthogonal Connector Routing. Lecture Notes in Computer Science, 2010, , 219-231.	1.3	17
14	Scrolling behaviour with single- and multi-column layout. , 2009, , .		15
15	Incremental Connector Routing. Lecture Notes in Computer Science, 2006, , 446-457.	1.3	14
16	Conversion of KEGG metabolic pathways to SBGN maps including automatic layout. BMC Bioinformatics, 2013, 14, 250.	2.6	13
17	What academics want when reading digitally. , 2014, , .		13
18	Integrative visual analysis of protein sequence mutations. BMC Proceedings, 2014, 8, S2.	1.6	13

#	Article	IF	Citations
19	BARD: A Structured Technique for Group Elicitation of Bayesian Networks to Support Analytic Reasoning. Risk Analysis, 2022, 42, 1155-1178.	2.7	12
20	Comparing usability of one-way and multi-way constraints for diagram editing. ACM Transactions on Computer-Human Interaction, 2008, 14, 1-38.	5.7	10
21	Interaction in the Visualization of Multivariate Networks. Lecture Notes in Computer Science, 2014, , 97-125.	1.3	8
22	Euler diagrams drawn with ellipses area-proportionally (Edeap). BMC Bioinformatics, 2021, 22, 214.	2.6	7
23	Crowdsourcing Technology to Support Academic Research. Lecture Notes in Computer Science, 2017, , 70-95.	1.3	7
24	Incremental Grid-Like Layout Using Soft and Hard Constraints. Lecture Notes in Computer Science, 2013, , 448-459.	1.3	6
25	An Optimization Model for 3D Pipe Routing with Flexibility Constraints. Lecture Notes in Computer Science, 2017, , 321-337.	1.3	5
26	Stress-Minimizing Orthogonal Layout of Data Flow Diagrams with Ports. Lecture Notes in Computer Science, 2014, , 319-330.	1.3	5
27	Process Plant Layout Optimization: Equipment Allocation. Lecture Notes in Computer Science, 2018, , 473-489.	1.3	4
28	The Data Visualisation and Immersive Analytics Research Lab at Monash University. Visual Informatics, 2020, 4, 41-49.	4.4	4
29	Orthogonal Hyperedge Routing. Lecture Notes in Computer Science, 2012, , 51-64.	1.3	4
30	Reimagining digital publishing for technical documents. , 2013, , .		3
31	Does a Split-View Aid Navigation Within Academic Documents?. , 2015, , .		2
32	UserFlow: A Tool for Visualizing Fine-grained Contextual Analytics in Teaching Documents. , 2020, , .		1
33	OntoPlot: A Novel Visualisation for Non-hierarchical Associations in Large Ontologies. IEEE Transactions on Visualization and Computer Graphics, 2019, 26, 1-1.	4.4	0
34	Seeing Around Corners: Fast Orthogonal Connector Routing. Lecture Notes in Computer Science, 2014, , 31-37.	1.3	0
35	VEDD. , 2015, , .		0