John Howse

List of Publications by Year in descending order

53 papers	851 citations	567281 15 h-index	552781 26 g-index
59 all docs	59 docs citations	59 times ranked	213 citing authors

#	Article	IF	Citations
1	Spider Diagrams. LMS Journal of Computation and Mathematics, 2005, 8, 145-194.	0.9	92
2	Spider Diagrams: A Diagrammatic Reasoning System. Journal of Visual Languages and Computing, 2001, 12, 299-324.	1.8	77
3	The semantics of augmented constraint diagrams. Journal of Visual Languages and Computing, 2005, 16, 541-573.	1.8	56
4	Generating Euler Diagrams. Lecture Notes in Computer Science, 2002, , 61-75.	1.3	53
5	Euler diagram generation. Journal of Visual Languages and Computing, 2008, 19, 675-694.	1.8	42
6	Inductively Generating Euler Diagrams. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 88-100.	4.4	37
7	Visualizing Ontologies: A Case Study. Lecture Notes in Computer Science, 2011, , 257-272.	1.3	37
8	The Expressiveness of Spider Diagrams. Journal of Logic and Computation, 2004, 14, 857-880.	0.8	36
9	Automatically drawing Euler diagrams with circles. Journal of Visual Languages and Computing, 2012, 23, 163-193.	1.8	28
10	Precise visual modeling: A case-study. Software and Systems Modeling, 2005, 4, 310-325.	2.7	24
11	A Decidable Constraint Diagram Reasoning System. Journal of Logic and Computation, 2005, 15, 975-1008.	0.8	24
12	Nesting in Euler Diagrams: syntax, semantics and construction. Software and Systems Modeling, 2004, 3, 55-67.	2.7	20
13	The expressiveness of spider diagrams augmented with constants. Journal of Visual Languages and Computing, 2009, 20, 30-49.	1.8	20
14	Drawing Euler Diagrams with Circles: The Theory of Piercings. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 1020-1032.	4.4	20
15	Corresponding Regions in Euler Diagrams. Lecture Notes in Computer Science, 2002, , 76-90.	1.3	17
16	Exploring the Notion of â€˜Clutterâ€™ in Euler Diagrams. Lecture Notes in Computer Science, 2006, , 267-282.	1.3	16
17	On the Completeness and Expressiveness of Spider Diagram Systems. Lecture Notes in Computer Science, 2000, , 26-41.	1.3	16
18	The Impact of Shape on the Perception of Euler Diagrams. Lecture Notes in Computer Science, 2014, , 123-137.	1.3	13

#	Article	IF	Citations
19	Properties of euler diagrams and graphs in combination. , 2014, , .		13
20	Drawing Area-Proportional Euler Diagrams Representing Up To Three Sets. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 1-1.	4.4	13
21	Deriving sound inference rules for concept diagrams. , 2011, , .		11
22	How Should We Use Colour in Euler Diagrams?. , 2014, , .		11
23	Drawing Area-Proportional Venn-3 Diagrams with Convex Polygons. Lecture Notes in Computer Science, 2010, , 54-68.	1.3	11
24	The impact of topological and graphical choices on the perception of Euler diagrams. Information Sciences, 2016, 330, 455-482.	6.9	10
25	A graph theoretic approach to general Euler diagram drawing. Theoretical Computer Science, 2010, 411, 91-112.	0.9	8
26	A general method for drawing area-proportional Euler diagrams. Journal of Visual Languages and Computing, 2011, 22, 426-442.	1.8	8
27	What Can Spider Diagrams Say?. Lecture Notes in Computer Science, 2004, , 112-127.	1.3	8
28	Computing Reading Trees for Constraint Diagrams. Lecture Notes in Computer Science, 2004, , 260-274.	1.3	8
29	Euler Graph Transformations for Euler Diagram Layout. , 2010, , .		7
30	Positive Semantics of Projections in Venn–Euler Diagrams. Journal of Visual Languages and Computing, 2002, 13, 197-227.	1.8	6
31	Visual logics help people: An evaluation of diagrammatic, textual and symbolic notations. , 2017, , .		6
32	Drawing Euler Diagrams with Circles. Lecture Notes in Computer Science, 2010, , 23-38.	1.3	6
33	Visual Mathematics: Diagrammatic Formalization and Proof. Lecture Notes in Computer Science, 2008, , 478-493.	1.3	6
34	Diagrammatic Formal Specification of a Configuration Control Platform. Electronic Notes in Theoretical Computer Science, 2009, 259, 87-104.	0.9	5
35	Diagrammatic Reasoning Systems. Lecture Notes in Computer Science, 2008, , 1-20.	1.3	5
36	What Can Concept Diagrams Say?. Lecture Notes in Computer Science, 2012, , 291-293.	1.3	4

#	Article	IF	Citations
37	Positive Semantics of Projections in Venn-Euler Diagrams. Lecture Notes in Computer Science, 2000, , 7-25.	1.3	4
38	The Perception of Clutter in Linear Diagrams. Lecture Notes in Computer Science, 2016, , 250-257.	1.3	4
39	Towards aÂDefault Reading for Constraint Diagrams. Lecture Notes in Computer Science, 2004, , 51-65.	1.3	4
40	Structuring formal specificationsâ€"a lesson relearned. Microprocessors and Microsystems, 1994, 18, 593-599.	2.8	3
41	Some Results for Drawing Area Proportional Venn3 With Convex Curves. , 2009, , .		3
42	Changing euler diagram properties by edge transformation of euler dual graphs. , 2009, , .		3
43	Evaluating Diagrammatic Patterns for Ontology Engineering. Lecture Notes in Computer Science, 2016, , 51-66.	1.3	3
44	Euler Diagrams Through the Looking Glass: From Extent to Intent. Lecture Notes in Computer Science, 2018, , 365-381.	1.3	3
45	Protecting privacy: Towards a visual framework for handling end-user data. , 2013, , .		2
46	Improving user comprehension of Euler diagrams. , 2013, , .		2
47	On the Completeness of Spider Diagrams Augmented with Constants. , 2013, , 101-133.		2
48	The Semiotics of Spider Diagrams. Logica Universalis, 2017, 11, 177-204.	0.2	1
49	Generating Effective Euler Diagrams. Lecture Notes in Computer Science, 2018, , 39-54.	1.3	1
50	Exploring and Conceptualising Attestation. Lecture Notes in Computer Science, 2019, , 131-145.	1.3	1
51	Evaluating Visualizations of Sets and Networks that Use Euler Diagrams and Graphs. Lecture Notes in Computer Science, 2020, , 323-331.	1.3	1
52	Special Issue on Visual Languages and Logic: Guest editors' introduction. Journal of Visual Languages and Computing, 2011, 22, 1-2.	1.8	0
53	Completeness Proofs for Diagrammatic Logics. Lecture Notes in Computer Science, 2012, , 318-320.	1.3	0