Mao Lin Huang

List of Publications by Year
in descending order

137 papers	1,065 citations	686830 13 h-index	610482 24 g-index
142 all docs	142 docs citations	142 times ranked	656 citing authors

#	Article	IF	Citations
1	Measuring and Evaluating the Visual Complexity Of Chinese Ink Paintings. Computer Journal, 2022, 65, 1964-1976.	1.5	4
2	Compression techniques for 2-hop labeling for shortest distance queries. World Wide Web, 2022, 25, 151-174.	2.7	1
3	Evaluation on interactive visualization data with scatterplots. Visual Informatics, 2020, 4, 1-10.	2.5	11
4	Semantic Topic Discovery for Lecture Video. Advances in Intelligent Systems and Computing, 2020, , 457-466.	0.5	1
5	Enhancing Scatter-plots with Start-plots for Visualising Multi-dimensional Data. , 2020, , .		2
6	An Initial Visual Analysis of the Relationship between COVID-19 and Local Community Features. , 2020, , .		4
7	DGViewer: A Hybrid Approach towards Visualisation of Dynamic Networks. , 2020, , .		0
8	Designing infographics/visual icons of social network by referencing to the design concept of ancient Oracle Bone characters. , 2020, , .		1
9	Stroke Data Analysis through a HVN Visual Mining Platform. , 2019, , .		5
10	Applying Graph Centrality Metrics in Visual Analytics of Scientific Standard Datasets. Symmetry, 2019, 11, 30.	1.1	8
11	The influence of edge bundling on visual information search. Information Sciences, 2019, 495, 234-246.	4.0	0
12	A Mobile Tool for Interactive Visualisation of Genomics Data. , 2018, , .		0
13	Enabling effective tree exploration using visual cues. Journal of Visual Languages and Computing, 2018, 47, 44-61.	1.8	2
14	A Space-Filling Multidimensional Visualization (SFMDVis) for Exploratory Data Analysis. Information Sciences, 2017, 390, 32-53.	4.0	4
15	An interactive visualization approach to the overview of geoscience data. Journal of Visualization, 2017, 20, 433-451.	1.1	2
16	A physiognomy based method for facial feature extraction and recognition. Journal of Visual Languages and Computing, 2017, 43, 103-109.	1.8	13
17	Golden Rectangle Treemap. Journal of Physics: Conference Series, 2017, 787, 012007.	0.3	2
18	Performance Comparisons between Force-Directed Algorithms on Structured Data Analysis. , 2017, , .		0

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19	Interactive Data Exploration through Multiple Visual Contexts with Different Data Models and Dimensions. , 2017, , .		0
20	Navigation in large hierarchical graph through chain-context views. Journal of Visualization, 2016, 19, 543-559.	1.1	1
21	Enabling decision trend analysis with interactive scatter plot matrices visualization. Journal of Visual Languages and Computing, 2016, 33, 13-23.	1.8	7
22	Two axes re-ordering methods in parallel coordinates plots. Journal of Visual Languages and Computing, 2016, 33, 3-12.	1.8	26
23	2D approach measuring multidimensional data pattern in big data visualization. , 2016, , .		2
24	Facial Feature Extraction and Recognition for Traditional Chinese Physiognomy. , 2016, , .		1
25	Deep Exploration of Multidimensional Data with Linkable Scatterplots. , 2016, , .		6
26	Density approach: a new model for BigData analysis and visualization. Concurrency Computation Practice and Experience, 2016, 28, 661-673.	1.4	13
27	MCquery. , 2016, , .		1
28	Data behaviours model for Big Data visual analytics. International Journal of Big Data Intelligence, 2016, 3, 1.	0.4	7
29	Evaluating overall quality of graph visualizations based on aesthetics aggregation. Information Sciences, 2016, 330, 444-454.	4.0	26
30	A novel virtual node approach for interactive visual analytics of big datasets in parallel coordinates. Future Generation Computer Systems, 2016, 55, 510-523.	4.9	10
31	Areas of Life Visualisation: Growing Data-Reliance. Lecture Notes in Computer Science, 2016, , 227-234.	1.0	1
32	SumUp: Statistical Visual Query of Multivariate Data with Parallel-Coordinate Geometry. Lecture Notes in Computer Science, 2016, , 386-393.	1.0	1
33	What Next in Designing Personalized Visualization of Web Information. Lecture Notes in Computer Science, 2016, , 134-141.	1.0	0
34	Evaluating Overall Quality of Dynamic Network Visualizations. Lecture Notes in Computer Science, 2016, , 157-162.	1.0	1
35	A Space Optimized Scatter Plot Matrix Visualization. Lecture Notes in Computer Science, 2016, , 382-385.	1.0	2
36	Qstack: Multi-tag Visual Rankings. Journal of Software, 2016, 11, 695-703.	0.6	3

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37	Natural User Interface Design in DA-TU: An Interactive Clustered Data Visualization System. , 2015, , .		2
38	An Interactive Radial Visualization of Geoscience Observation Data. , 2015, , .		6
39	Radial Cursor. , 2015, , .		1
40	Teaching undergraduate algorithms with case studies and quizzes in interactive tutorials. , 2015, , .		0
41	Divide and Conquer treemaps: Visualizing large trees with various shapes. Journal of Visual Languages and Computing, 2015, 31, 104-127.	1.8	9
42	Detecting Criminal Relationships through SOM Visual Analytics. , 2015, , .		4
43	Using arced axes in parallel coordinates geometry for high dimensional BigData visual analytics in cloud computing. Computing (Vienna/New York), 2015, 97, 425-437.	3.2	10
44	Visual analytics for BigData variety and its behaviours. Computer Science and Information Systems, 2015, 12, 1171-1191.	0.7	4
45	A New Analytics Model for Large Scale Multidimensional Data Visualization. Lecture Notes in Computer Science, 2015, , 55-71.	1.0	0
46	Interactive Visualization for Patient-to-Patient Comparison. Genomics and Informatics, 2014, 12, 21.	0.4	15
47	Big Data Density Analytics Using Parallel Coordinate Visualization. , 2014, , .		11
48	BigData visualization: Parallel coordinates using density approach. , 2014, , .		1
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55	WeBeVis: analyzing user web behavior through visual metaphors. Science China Information Sciences, 2013, 56, 1-15.	2.7	4
56	5Ws Model for Big Data Analysis and Visualization. , 2013, , .		29
57	Detecting Flood Attacks through New Density-Pattern Based Approach. , 2013, , .		2
58	Visual Analytics Model for Intrusion Detection in Flood Attack. , 2013, , .		5
59	Visual analysis and detection of network flood attacks through Two-Layer density approach. , 2013, , .		0
60	Improving the Quality of Clustered Graph Drawing through a Dummy Element Approach. , 2013, , .		1
61	Parallel Coordinates Visualization of Large Data Investigation on HDDs. , 2013, , .		2
62	Visual Sensitivity Analysis in Real Estate Prediction System. , 2013, , .		0
63	Visualizing large trees with divide & conquer partition. , 2013, , .		12
64	Visual analytics for intrusion detection in spam emails. International Journal of Grid and Utility Computing, 2013, 4, 178.	0.1	16
65	Multi-Feature Face Recognition Based on 2D-PCA and SVM. , 2013, , 65-75.		1
66	Evaluating force-directed algorithms with a new framework. , 2012, , .		5
67	Rectangle orientation in area judgment task for treemap design. , 2012, , .		3
68	Angular Treemaps - A New Technique for Visualizing and Emphasizing Hierarchical Structures. , 2012, , .		11
69	Perceptual User Study for Combined Treemap. , 2012, , .		1
70	An aggregation-based approach to quality evaluation of graph drawings. , 2012, , .		3
71	An Interactive Scatter Plot Metrics Visualization for Decision Trend Analysis. , 2012, , .		8
72	Multi-feature face recognition based on PSO-SVM. , 2012, , .		9

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73	Clutter Reduction in Multi-dimensional Visualization of Incomplete Data Using Sugiyama Algorithm. , 2012, , .		2
74	Force-directed Graph Visualization with Pre-positioning - Improving Convergence Time and Quality of Layout. , 2012, , .		4
75	A New Axes Re-ordering Method in Parallel Coordinates Visualization. , 2012, , .		18
76	Unlocking the complexity of genomic data of RMS patients through visual analytics. , 2012, , .		5
77	TabuVis. , 2012, , .		1
78	Visual Clustering of Spam Emails for DDoS Analysis. , 2011, , .		8
79	Aesthetic of angular resolution for node-link diagrams: Validation and algorithm. , 2011, , .		5
80	Optimized data acquisition by time series clustering in OPC. , 2011, , .		6
81	Visual Analytics of Clinical and Genetic Datasets of Acute Lymphoblastic Leukaemia. Lecture Notes in Computer Science, 2011, , 113-120.	1.0	12
82	Parallel Rough Set: Dimensionality Reduction and Feature Discovery of Multi-Dimensional Data in Visualization. Lecture Notes in Computer Science, 2011, , 99-108.	1.0	5
83	Coaxial interactive viewer. , 2011, , .		1
84	Twig Pattern Matching: A Revisit. Lecture Notes in Computer Science, 2011, , 43-50.	1.0	0
85	A new concentric-circle visualization of multi-dimensional data and its application in network security. Journal of Visual Languages and Computing, 2010, 21, 194-208.	1.8	16
86	Exploring the relative importance of crossing number and crossing angle. , 2010, , .		10
87	Interactive visualization with user perspective. , 2010, , .		2
88	Highlighting in Information Visualization: A Survey. , 2010, , .		16
89	An Improved Wavelet Analysis Method for Detecting DDoS Attacks. , 2010, , .		5
90	TreemapBar: Visualizing Additional Dimensions of Data in Bar Chart. , 2009, , .		6

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91	XKMis. , 2009, , .		3
92	A Visualization Approach for Frauds Detection in Financial Market. , 2009, , .		43
93	A Zoomable Shopping Browser Using a Graphic-Treemap. , 2009, , .		0
94	Large Scale Network Analysis with Interactive Visualisation. , 2009, , .		0
95	A Novel Visualization Method for Detecting DDoS Network Attacks. , 2009, , 185-194.		3
96	From Tree to Graph - Experiments with E-Spring Algorithm. , 2009, , 41-63.		2
97	Multi-dimensional Data Visualization using Concentric Coordinates. , 2009, , 95-118.		3
98	A New Interactive Platform for Visual Analytics of Social Networks. , 2009, , 231-244.		1
99	A Visual Method for High-Dimensional Data Cluster Exploration. Lecture Notes in Computer Science, 2009, , 699-709.	1.0	2
100	A Usability Study on the Use of Multi-Context Visualization. , 2008, , .		2
101	Context Visualization for Visual Data Mining. Lecture Notes in Computer Science, 2008, , 248-263.	1.0	4
102	Navigating Large Clustered Graphs with Triple-Layer Display. Proceedings / International Conference on Information Visualisation, 2007, , .	0.0	4
103	A Kernel-based Algorithm for Multilevel Drawing Web Graphs. , 2007, , .		0
104	Three-Dimensional EncCon Tree. , 2007, , .		3
105	A Space Efficient Clustered Visualization of Large Graphs. , 2007, , .		9
106	Visualization of Individual's Knowledge by Analyzing the Citation Networks. , 2007, , .		2
107	Applying Graph Layout Techniques to Web Information Visualization and Navigation. , 2007, , .		7
108	A Fast Algorithm for Balanced Graph Clustering. Proceedings / International Conference on Information Visualisation, 2007, , .	0.0	13

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109	RELT â€" Visualizing Trees on Mobile Devices. , 2007, , 344-357.		10
110	Creating Visual Browsers for Large-Scale Online Auctions. Studies in Computational Intelligence, 2007, , 579-600.	0.7	1
111	Visualization of Relational Structure Among Scientific Articles. , 2007, , 415-425.		1
112	A Collaborative Framework for Designers and Developers of Software-Intensive Systems. , 2006, , .		0
113	EncCon: An Approach to Constructing Interactive Visualization of Large Hierarchical Data. Information Visualization, 2005, 4, 1-21.	1.2	78
114	Phase stabilities of ternary rare earth metal disilicides. Applied Physics A: Materials Science and Processing, 2004, 78, 1-3.	1.1	3
115	Navigating Clustered Graphs Using Force-Directed Methods. , 2004, , 191-215.		4
116	Space-Optimized Tree: A Connection+Enclosure Approach for the Visualization of Large Hierarchies. Information Visualization, 2003, 2, 3-15.	1.2	45
117	ON-LINE VISUALIZATION AND NAVIGATION OF THE GLOBAL WEB STRUCTURE. International Journal of Software Engineering and Knowledge Engineering, 2003, 13, 27-52.	0.6	6
118	Flowchart Components for Program Visualization. , 2003, , 59-75.		0
119	Graph visualization of web data with domain-specific attributes. , 2002, , .		2
120	Navigating Clustered Graphs Using Force-Directed Methods. Journal of Graph Algorithms and Applications, 2000, 4, 157-181.	0.4	103
121	Mapping and browsing the web in a 2D space. , 1999, , .		2
122	On-line Animated Visualization of Huge Graphs using a Modified Spring Algorithm. Journal of Visual Languages and Computing, 1998, 9, 623-645.	1.8	65
123	WebOFDAV â€" navigating and visualizing the Web on-line with animated context swapping. Computer Networks, 1998, 30, 638-642.	1.0	28
124	A Fully Animated Interactive System for Clustering and Navigating Huge Graphs. Lecture Notes in Computer Science, 1998, , 374-383.	1.0	41
125	Online animated graph drawing for web navigation. Lecture Notes in Computer Science, 1997, , 330-335.	1.0	25
126	An integrated visual framework for the human-Web interface. , 0, , .		1

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127	A space-optimized tree visualization. , 0, , .		22
128	21DF-browser: a multiple fisheye distortion technique for visualizing and navigating hierarchies with large number of leaves. , 0, , .		0
129	A Combined Visualization of Multiple Relational Structures in Shared Collaborative Workspaces. , 0, , .		1
130	A new visualization approach for supporting knowledge management and collaboration in E-learning. , 0, , .		1
131	A focus+context visualization technique using semi-transparency. , 0, , .		7
132	DualView: A Focus+Context Technique for Navigating Large Graphs. , 0, , .		0
133	Attributed Graph Visualization of Collaborative Workspaces. , 0, , .		2
134	Analysis and Visualization of Co-authorship Networks for Understanding Academic Collaboration and Knowledge Domain of Individual Researchers. , 0, , .		18
135	A Visualization Model for Web Sitemaps. , 0, , .		0
136	A Technique for Visualizing Dihedral Signal of Large Protein Sequences. , 0, , .		0
137	A fast focus+context viewing technique for the navigation of classical hierarchical layout. , 0, , .		3