Christopher Collins

List of Publications by Year
in descending order

55 papers	**2,009** citations	430442 **18** h-index	414034 **32** g-index
56 all docs	**56** docs citations	**56** times ranked	**1397** citing authors

#	ARTICLE	IF	CITATIONS
1	Bubble Sets: Revealing Set Relations with Isocontours over Existing Visualizations. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1009-1016.	2.9	237
2	Parallel Tag Clouds to explore and analyze faceted text corpora. , 2009, , .		167
3	VisLink: Revealing Relationships Amongst Visualizations. IEEE Transactions on Visualization and Computer Graphics, 2007, 13, 1192-1199.	2.9	153
4	#FluxFlow: Visual Analysis of Anomalous Information Spreading on Social Media. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 1773-1782.	2.9	147
5	VisGets: Coordinated Visualizations for Web-based Information Exploration and Discovery. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 1205-1212.	2.9	135
6	DocuBurst: Visualizing Document Content using Language Structure. Computer Graphics Forum, 2009, 28, 1039-1046.	1.8	98
7	Critical InfoVis. , 2013, , .		81
8	Interactive Exploration of Implicit and Explicit Relations in Faceted Datasets. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2080-2089.	2.9	76
9	Grounded evaluation of information visualizations. , 2008, , .		74
10	Guidance in the human–machine analytics process. Visual Informatics, 2018, 2, 166-180.	2.5	56
11	Bridging Text Visualization and Mining: A Task-Driven Survey. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 2482-2504.	2.9	55
12	Progressive Learning of Topic Modeling Parameters: A Visual Analytics Framework. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 382-391.	2.9	49
13	ConToVi: Multi–Party Conversation Exploration using Topic–Space Views. Computer Graphics Forum, 2016, 35, 431-440.	1.8	46
14	Visualizing semantics in passwords. , 2012, , .		42
15	DimpVis: Exploring Time-varying Information Visualizations by Direct Manipulation. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 2003-2012.	2.9	40
16	Visual Analytics for Topic Model Optimization based on User-Steerable Speculative Execution. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 374-384.	2.9	37
17	NEREx: Named–Entity Relationship Exploration in Multi–Party Conversations. Computer Graphics Forum, 2017, 36, 213-225.	1.8	36
18	Facilitating Discourse Analysis with Interactive Visualization. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 2639-2648.	2.9	35

#	Article	IF	Citations
19	Immersive Analytics. , 2016, , .		35
20	Ionization constants of aqueous amino acids at temperatures up to 250Â°C using hydrothermal pH indicators and UV-visible spectroscopy: Glycine, Î±-alanine, and proline. Geochimica Et Cosmochimica Acta, 2005, 69, 3029-3043.	1.6	33
21	Exploring tangible and direct touch interfaces for manipulating 2D and 3D information on a digital table. , 2009, , .		32
22	ActiveInk. , 2019, , .		32
23	Examination of Text-Entry Methods for Tabletop Displays. , 2007, , .		30
24	Design by Immersion: A Transdisciplinary Approach to Problem-Driven Visualizations. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 109-118.	2.9	27
25	Visualization and the Digital Humanities:. IEEE Computer Graphics and Applications, 2018, 38, 26-38.	1.0	24
26	Semantic Concept Spaces: Guided Topic Model Refinement using Word-Embedding Projections. IEEE Transactions on Visualization and Computer Graphics, 2019, 26, 1-1.	2.9	21
27	Perceptual Biases in Font Size as a Data Encoding. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 2397-2410.	2.9	20
28	Exploring the Possibilities of Embedding Heterogeneous Data Attributes in Familiar Visualizations. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 581-590.	2.9	18
29	A "communication skills for computer scientists" course. , 2009, , .		16
30	ThreadReconstructor: Modeling Replyâ€Chains to Untangle Conversational Text through Visual Analytics. Computer Graphics Forum, 2018, 37, 351-365.	1.8	14
31	The Role of Interactive Visualization in Fostering Trust in AI. IEEE Computer Graphics and Applications, 2021, 41, 7-12.	1.0	13
32	Optimizing Hierarchical Visualizations with the Minimum Description Length Principle. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 631-640.	2.9	12
33	Metatation. ACM Transactions on Computer-Human Interaction, 2017, 24, 1-41.	4.6	11
34	Integrating 2D mouse emulation with 3D manipulation for visualizations on a multi-touch table. , 2010, , .		10
35	PhysioEx: Visual Analysis of Physiological Event Streams. Computer Graphics Forum, 2016, 35, 331-340.	1.8	9
36	Interactive Visualization Applications in Population Health and Health Services Research: Systematic Scoping Review. Journal of Medical Internet Research, 2022, 24, e27534.	2.1	9

#	Article	IF	Citations
37	Saliency Deficit and Motion Outlier Detection in Animated Scatterplots. , 2019, , .		8
38	Discriminability Tests for Visualization Effectiveness and Scalability. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 749-758.	2.9	8
39	Head-driven parsing for word lattices. , 2004, , .		8
40	A "communication skills for computer scientists" course. SIGCSE Bulletin, 2009, 41, 65-69.	0.1	6
41	Interaction for reading comprehension on mobile devices. , 2014, , .		6
42	Professional Differences: A Comparative Study of Visualization Task Performance and Spatial Ability Across Disciplines. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 654-664.	2.9	6
43	Supporting Serendipitous Discovery and Balanced Analysis of Online Product Reviews with Interaction-Driven Metrics and Bias-Mitigating Suggestions. , 2022, , .		6
44	Exploring entities in text with descriptive non-photorealistic rendering. , 2013, , .		5
45	A Visual Analytics Framework for Adversarial Text Generation. , 2019, , .		5
46	Personalized Views for Immersive Analytics. , 2016, , .		4
47	CoRAD: Visual Analytics for Cohort Analysis. , 2016, , .		4
48	Computational skills by stealth in introductory data science teaching. Teaching Statistics, 2021, 43, S34.	0.6	4
49	Webcasting Made Interactive: Persistent Chat for Text Dialogue During and About Learning Events. Lecture Notes in Computer Science, 2007, , 260-268.	1.0	4
50	TIE. , 2010, , .		3
51	Augmenting tandem language learning with the TandemTable. , 2013, , .		1
52	Learn, Generate, Rank, Explain: A Case Study of Visual Explanation by Generative Machine Learning. ACM Transactions on Interactive Intelligent Systems, 2021, 11, 1-34.	2.6	1
53	Wiimote-controlled stereoscopic MRI visualization with sonic augmentation. , 2010, , .		0
54	IUI-TextVis 2015. , 2015, , .		0

#	Article	IF	Citations
55	Covid Connect: Chat-Driven Anonymous Story-Sharing for Peer Support. , 2022, , .		0