

Steven L Franconeri

List of Publications by Year in descending order

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43
papers

1,512
citations

471509

17
h-index

377865

34
g-index

50
all docs

50
docs citations

50
times ranked

1228
citing authors

#	ARTICLE	IF	CITATIONS
1	Declutter and Focus: Empirically Evaluating Design Guidelines for Effective Data Communication. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 3351-3364.	4.4	10
2	Visual Arrangements of Bar Charts Influence Comparisons in Viewer Takeaways. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 955-965.	4.4	12
3	Rethinking the Ranks of Visual Channels. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 707-717.	4.4	14
4	No mark is an island: Precision and category repulsion biases in data reproductions. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1063-1072.	4.4	5
5	Revealing Perceptual Proxies with Adversarial Examples. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1073-1083.	4.4	10
6	Three Perceptual Tools for Seeing and Understanding Visualized Data. Current Directions in Psychological Science, 2021, 30, 367-375.	5.3	5
7	Jurassic Mark: Inattentional Blindness for a Datasaurus Reveals that Visualizations are Explored, not Seen. , 2021, , .		5
8	The Science of Visual Data Communication: What Works. Psychological Science in the Public Interest: A Journal of the American Psychological Society, 2021, 22, 110-161.	10.7	79
9	A Task-Based Taxonomy of Cognitive Biases for Information Visualization. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 1413-1432.	4.4	69
10	The Curse of Knowledge in Visual Data Communication. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 3051-3062.	4.4	46
11	An Evaluation of Semantically Grouped Word Cloud Designs. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 2748-2761.	4.4	43
12	Foveal gravity: A robust illusion of color-location misbinding. Attention, Perception, and Psychophysics, 2020, 82, 585-592.	1.3	1
13	Measures of the Benefit of Direct Encoding of Data Deltas for Data Pair Relation Perception. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 311-320.	4.4	16
14	Designing Graphs for Decision-Makers. Policy Insights From the Behavioral and Brain Sciences, 2020, 7, 52-63.	2.4	11
15	Why Shouldn't All Charts Be Scatter Plots? Beyond Precision-Driven Visualizations. , 2020, , .		13
16	Similarity Grouping as Feature-Based Selection. Psychological Science, 2019, 30, 376-385.	3.3	22
17	Gestalt similarity groupings are not constructed in parallel. Cognition, 2019, 182, 8-13.	2.2	11
18	Mitigating the Attraction Effect with Visualizations. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 850-860.	4.4	29

#	ARTICLE	IF	CITATIONS
19	Correlation Judgment and Visualization Features: A Comparative Study. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 1474-1488.	4.4	31
20	Capacity Limits on Visual Imagination. Journal of Vision, 2019, 19, 74b.	0.3	0
21	Attraction and Response Probe Similarity Effects in a Multiple Ensemble Judgment Task. Journal of Vision, 2019, 19, 82a.	0.3	0
22	Categorical perception in data visualizations. Journal of Vision, 2019, 19, 32b.	0.3	0
23	Gesture helps learners learn, but not merely by guiding their visual attention. Developmental Science, 2018, 21, e12664.	2.4	53
24	Taking Word Clouds Apart: An Empirical Investigation of the Design Space for Keyword Summaries. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 657-666.	4.4	53
25	Very young infants learn abstract rules in the visual modality. PLoS ONE, 2018, 13, e0190185.	2.5	16
26	Visual Processing of Spatial Relations Within and Between Objects. Journal of Vision, 2018, 18, 321.	0.3	0
27	A review of objects versus substances in visual thinking with data visualizations. Journal of Vision, 2018, 18, 1328.	0.3	0
28	Topological Relations Between Objects Are Categorically Coded. Psychological Science, 2017, 28, 1408-1418.	3.3	8
29	Visual routines are associated with specific graph interpretations. Cognitive Research: Principles and Implications, 2017, 2, 20.	2.0	15
30	Redundant encoding strengthens segmentation and grouping in visual displays of data.. Journal of Experimental Psychology: Human Perception and Performance, 2017, 43, 1667-1676.	0.9	16
31	Motion cues facilitate feature updating in mental rotation. Journal of Vision, 2017, 17, 871.	0.3	0
32	Four types of ensemble coding in data visualizations. Journal of Vision, 2016, 16, 11.	0.3	78
33	Are Categorical Spatial Relations Encoded by Shifting Visual Attention between Objects?. PLoS ONE, 2016, 11, e0163141.	2.5	13
34	Visual routines for extracting magnitude relations. Psychonomic Bulletin and Review, 2016, 23, 1802-1809.	2.8	17
35	Selecting and tracking multiple objects. Wiley Interdisciplinary Reviews: Cognitive Science, 2015, 6, 109-118.	2.8	31
36	Similarity grouping as feature-based selection. Visual Cognition, 2015, 23, 843-847.	1.6	2

#	ARTICLE	IF	CITATIONS
37	Sudden insight is associated with shutting out visual inputs. <i>Psychonomic Bulletin and Review</i> , 2015, 22, 1814-1819.	2.8	91
38	ISOTYPE Visualization. , 2015, , .		90
39	Ranking Visualizations of Correlation Using Weber's Law. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2014, 20, 1943-1952.	4.4	134
40	Attentional deployment is not necessary for successful emotion regulation via cognitive reappraisal or expressive suppression.. <i>Emotion</i> , 2014, 14, 504-512.	1.8	32
41	Flexible cognitive resources: competitive content maps for attention and memory. <i>Trends in Cognitive Sciences</i> , 2013, 17, 134-141.	7.8	268
42	Flexible visual processing of spatial relationships. <i>Cognition</i> , 2012, 122, 210-227.	2.2	64
43	How many locations can be selected at once?. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2007, 33, 1003-1012.	0.9	91