# Steven L Franconeri

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 43<br>papers | 1,512<br>citations | 471509<br>17<br>h-index | 377865<br>34<br>g-index |
| 50<br>all docs | 50<br>docs citations | 50<br>times ranked | 1228<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Flexible cognitive resources: competitive content maps for attention and memory. Trends in Cognitive Sciences, 2013, 17, 134-141. | 7.8 | 268 |
| 2 | Ranking Visualizations of Correlation Using Weber's Law. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 1943-1952. | 4.4 | 134 |
| 3 | How many locations can be selected at once?. Journal of Experimental Psychology: Human Perception and Performance, 2007, 33, 1003-1012. | 0.9 | 91 |
| 4 | Sudden insight is associated with shutting out visual inputs. Psychonomic Bulletin and Review, 2015, 22, 1814-1819. | 2.8 | 91 |
| 5 | ISOTYPE Visualization. , 2015, , . | | 90 |
| 6 | 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 |
| 7 | Four types of ensemble coding in data visualizations. Journal of Vision, 2016, 16, 11. | 0.3 | 78 |
| 8 | A Task-Based Taxonomy of Cognitive Biases for Information Visualization. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 1413-1432. | 4.4 | 69 |
| 9 | Flexible visual processing of spatial relationships. Cognition, 2012, 122, 210-227. | 2.2 | 64 |
| 10 | Gesture helps learners learn, but not merely by guiding their visual attention. Developmental Science, 2018, 21, e12664. | 2.4 | 53 |
| 11 | 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 |
| 12 | The Curse of Knowledge in Visual Data Communication. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 3051-3062. | 4.4 | 46 |
| 13 | An Evaluation of Semantically Grouped Word Cloud Designs. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 2748-2761. | 4.4 | 43 |
| 14 | Attentional deployment is not necessary for successful emotion regulation via cognitive reappraisal or expressive suppression.. Emotion, 2014, 14, 504-512. | 1.8 | 32 |
| 15 | Selecting and tracking multiple objects. Wiley Interdisciplinary Reviews: Cognitive Science, 2015, 6, 109-118. | 2.8 | 31 |
| 16 | Correlation Judgment and Visualization Features: A Comparative Study. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 1474-1488. | 4.4 | 31 |
| 17 | Mitigating the Attraction Effect with Visualizations. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 850-860. | 4.4 | 29 |
| 18 | Similarity Grouping as Feature-Based Selection. Psychological Science, 2019, 30, 376-385. | 3.3 | 22 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 19 | Visual routines for extracting magnitude relations. Psychonomic Bulletin and Review, 2016, 23, 1802-1809. | 2.8 | 17 |
| 20 | 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 |
| 21 | 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 |
| 22 | Very young infants learn abstract rules in the visual modality. PLoS ONE, 2018, 13, e0190185. | 2.5 | 16 |
| 23 | Visual routines are associated with specific graph interpretations. Cognitive Research: Principles and Implications, 2017, 2, 20. | 2.0 | 15 |
| 24 | Rethinking the Ranks of Visual Channels. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 707-717. | 4.4 | 14 |
| 25 | Are Categorical Spatial Relations Encoded by Shifting Visual Attention between Objects?. PLoS ONE, 2016, 11, e0163141. | 2.5 | 13 |
| 26 | Why Shouldn’t All Charts Be Scatter Plots? Beyond Precision-Driven Visualizations. , 2020, , . |  | 13 |
| 27 | Visual Arrangements of Bar Charts Influence Comparisons in Viewer Takeaways. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 955-965. | 4.4 | 12 |
| 28 | Gestalt similarity groupings are not constructed in parallel. Cognition, 2019, 182, 8-13. | 2.2 | 11 |
| 29 | Designing Graphs for Decision-Makers. Policy Insights From the Behavioral and Brain Sciences, 2020, 7, 52-63. | 2.4 | 11 |
| 30 | 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 |
| 31 | Revealing Perceptual Proxies with Adversarial Examples. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1073-1083. | 4.4 | 10 |
| 32 | Topological Relations Between Objects Are Categorically Coded. Psychological Science, 2017, 28, 1408-1418. | 3.3 | 8 |
| 33 | 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 |
| 34 | Three Perceptual Tools for Seeing and Understanding Visualized Data. Current Directions in Psychological Science, 2021, 30, 367-375. | 5.3 | 5 |
| 35 | Jurassic Mark: Inattentional Blindness for a Datasaurus Reveals that Visualizations are Explored, not Seen. , 2021, , . |  | 5 |
| 36 | Similarity grouping as feature-based selection. Visual Cognition, 2015, 23, 843-847. | 1.6 | 2 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Foveal gravity: A robust illusion of color-location misbinding. Attention, Perception, and Psychophysics, 2020, 82, 585-592. | 1.3 | 1 |
| 38 | Motion cues facilitate feature updating in mental rotation. Journal of Vision, 2017, 17, 871. | 0.3 | 0 |
| 39 | Visual Processing of Spatial Relations Within and Between Objects. Journal of Vision, 2018, 18, 321. | 0.3 | 0 |
| 40 | A review of objects versus substances in visual thinking with data visualizations. Journal of Vision, 2018, 18, 1328. | 0.3 | 0 |
| 41 | Capacity Limits on Visual Imagination. Journal of Vision, 2019, 19, 74b. | 0.3 | 0 |
| 42 | Attraction and Response Probe Similarity Effects in a Multiple Ensemble Judgment Task. Journal of Vision, 2019, 19, 82a. | 0.3 | 0 |
| 43 | Categorical perception in data visualizations. Journal of Vision, 2019, 19, 32b. | 0.3 | 0 |