

Lace M K Padilla

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

598
citations

759233

12
h-index

794594

19
g-index

33
all docs

33
docs citations

33
times ranked

484
citing authors

#	ARTICLE	IF	CITATIONS
1	Decision making with visualizations: a cognitive framework across disciplines. Cognitive Research: Principles and Implications, 2018, 3, 29.	2.0	93
2	Non-expert interpretations of hurricane forecast uncertainty visualizations. Spatial Cognition and Computation, 2016, 16, 154-172.	1.2	89
3	Uncertainty Visualization by Representative Sampling from Prediction Ensembles. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 2165-2178.	4.4	50
4	Factors Predicting Willingness to Share COVID-19 Misinformation. Frontiers in Psychology, 2020, 11, 566108.	2.1	48
5	Visualizing Uncertain Tropical Cyclone Predictions using Representative Samples from Ensembles of Forecast Tracks. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 882-891.	4.4	39
6	Mapping the Landscape of COVID-19 Crisis Visualizations. , 2021, , .		38
7	Evaluating the Impact of Binning 2D Scalar Fields. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 431-440.	4.4	32
8	Sex Differences in Mobility and Spatial Cognition. Human Nature, 2016, 27, 16-34.	1.6	30
9	Uncertain About Uncertainty: How Qualitative Expressions of Forecaster Confidence Impact Decision-Making With Uncertainty Visualizations. Frontiers in Psychology, 2020, 11, 579267.	2.1	28
10	Mobility and Navigation among the Yucatec Maya. Human Nature, 2016, 27, 35-50.	1.6	20
11	Examining Implicit Discretization in Spectral Schemes. Computer Graphics Forum, 2019, 38, 363-374.	3.0	16
12	Examining Effort in 1D Uncertainty Communication Using Individual Differences in Working Memory and NASA-TLX. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 411-421.	4.4	15
13	The powerful influence of marks: Visual and knowledge-driven processing in hurricane track displays.. Journal of Experimental Psychology: Applied, 2020, 26, 1-15.	1.2	15
14	Toward Objective Evaluation of Working Memory in Visualizations: A Case Study Using Pupillometry and a Dual-Task Paradigm. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 332-342.	4.4	14
15	Impact of COVID-19 forecast visualizations on pandemic risk perceptions. Scientific Reports, 2022, 12, 2014.	3.3	10
16	Immersive storm surge flooding: Scale and risk perception in virtual reality. Journal of Environmental Psychology, 2022, 80, 101764.	5.1	9
17	A Case for Cognitive Models in Visualization Research : Position paper. , 2018, , .		7
18	Conceptual Metaphor and Graphical Convention Influence the Interpretation of Line Graphs. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 1209-1221.	4.4	6

#	ARTICLE	IF	CITATIONS
19	A review of uncertainty visualization errors: Working memory as an explanatory theory. Psychology of Learning and Motivation - Advances in Research and Theory, 2021, 74, 275-315.	1.1	6
20	Multiple Hazard Uncertainty Visualization Challenges and Paths Forward. Frontiers in Psychology, 2021, 12, 579207.	2.1	6
21	Through the eyes of the expert: Evaluating holistic processing in architects through gaze-contingent viewing. Psychonomic Bulletin and Review, 2021, 28, 870-878.	2.8	3