Aritra Dasgupta

List of Publications by Year
in descending order

28 papers	**603** citations	758635 **12** h-index	940134 **16** g-index
29 all docs	**29** docs citations	**29** times ranked	**613** citing authors

#	Article	IF	Citations
1	Pargnostics: Screen-Space Metrics for Parallel Coordinates. IEEE Transactions on Visualization and Computer Graphics, 2010, 16, 1017-1026.	2.9	105
2	A Workflow for Visual Diagnostics of Binary Classifiers using Instance-Level Explanations. , 2017, , .		50
3	Conceptualizing Visual Uncertainty in Parallel Coordinates. Computer Graphics Forum, 2012, 31, 1015-1024.	1.8	39
4	Adaptive Privacy-Preserving Visualization Using Parallel Coordinates. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 2241-2248.	2.9	37
5	Bridging Theory with Practice: An Exploratory Study of Visualization Use and Design for Climate Model Comparison. IEEE Transactions on Visualization and Computer Graphics, 2015, 21, 996-1014.	2.9	36
6	Interpreting Black-Box Classifiers Using Instance-Level Visual Explanations. , 2017, , .		36
7	Familiarity Vs Trust: A Comparative Study of Domain Scientists' Trust in Visual Analytics and Conventional Analysis Methods. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 271-280.	2.9	36
8	Human Factors in Streaming Data Analysis: Challenges and Opportunities for Information Visualization. Computer Graphics Forum, 2018, 37, 254-272.	1.8	30
9	SimilarityExplorer: A Visual Inter–Comparison Tool for Multifaceted Climate Data. Computer Graphics Forum, 2014, 33, 341-350.	1.8	29
10	Effects of Metal Gates and Back-End-of-Line Materials on X-Ray Dose in ${\rm HfO}_{2}$ Gate Oxide. IEEE Transactions on Nuclear Science, 2011, 58, 3139-3144.	1.2	20
11	Visual Reconciliation of Alternative Similarity Spaces in Climate Modeling. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 1923-1932.	2.9	20
12	The Effect of Color Scales on Climate Scientists' Objective and Subjective Performance in Spatial Data Analysis Tasks. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 1577-1591.	2.9	20
13	The Exploratory Labeling Assistant. , 2018, , .		19
14	SeekAView: An intelligent dimensionality reduction strategy for navigating high-dimensional data spaces. , 2016, , .		17
15	Measuring Privacy and Utility in Privacy–Preserving Visualization. Computer Graphics Forum, 2013, 32, 35-47.	1.8	15
16	Privacy–Preserving Data Visualization: Reflections on the State of the Art and Research Opportunities. Computer Graphics Forum, 2020, 39, 675-692.	1.8	15
17	Empirical Analysis of the Subjective Impressions and Objective Measures of Domain Scientists' Visual Analytic Judgments. , 2017, , .		14
18	Separating the Wheat from the Chaff: Comparative Visual Cues for Transparent Diagnostics of Competing Models. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 1043-1053.	2.9	11

#	Article	IF	Citations
19	*VIMTEX*: A *V*isualization *I*nterface for *M*ultivariate, *T*ime‑Varying, Geological Data *E*xploration. Computer Graphics Forum, 2015, 34, 341-350.	1.8	9
20	Meta parallel coordinates for visualizing features in large, high-dimensional, time-varying data. , 2012, , .		8
21	Reducing the Analytical Bottleneck for Domain Scientists: Lessons from a Climate Data Visualization Case Study. Computing in Science and Engineering, 2016, 18, 92-100.	1.2	8
22	Privacy-preserving data visualization using parallel coordinates. , 2011, , .		6
23	The importance of tracing data through the visualization pipeline. , 2012, , .		6
24	Characterizing the Relative Importance Assigned to Physical Variables by Climate Scientists when Assessing Atmospheric Climate Model Fidelity. Advances in Atmospheric Sciences, 2018, 35, 1101-1113.	1.9	6
25	Guess Me If You Can: A Visual Uncertainty Model for Transparent Evaluation of Disclosure Risks in Privacy-Preserving Data Visualization. , 2019, , .		6
26	Towards Trust-Augmented Visual Analytics for Data-Driven Energy Modeling. , 2020, , .		1
27	Knowing what to look for: A Fact-Evidence Reasoning Framework for Decoding Communicative Visualization. , 2020, , .		1
28	Conceptualizing Visual Analytic Interventions for Content Moderation. , 2021, , .		1