Deborah Silver

List of Publications by Year
in descending order

30 papers	1,323 citations	840776 11 h-index	713466 21 g-index
31 all docs	31 docs citations	31 times ranked	1150 citing authors

#	Article	IF	Citations
1	A Bounded Measure for Estimating the Benefit of Visualization (Part II): Case Studies and Empirical Evaluation. Entropy, 2022, 24, 282.	2.2	3
2	Visualizing Acoustic Imaging of Hydrothermal Plumes on the Seafloor. IEEE Computer Graphics and Applications, 2021, 41, 63-75.	1.2	0
3	Visualizing events in time-varying scientific data. Journal of Visualization, 2020, 23, 353-368.	1.8	2
4	Visualizing Three-Dimensional Ocean Eddies in Web Browsers. IEEE Access, 2019, 7, 44734-44747.	4.2	5
5	Re-spatialization of time series plots. Information Visualization, 2017, 16, 275-290.	1.9	2
6	Blocked: When the information is hidden by the visualization. Journal of the Association for Information Science and Technology, 2016, 67, 1033-1051.	2.9	3
7	Learning Visualization Strategies: A qualitative investigation. International Journal of Science Education, 2015, 37, 3038-3065.	1.9	2
8	The path to COVIS: A review of acoustic imaging of hydrothermal flow regimes. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 121, 159-176.	1.4	13
9	Activity Detection in Scientific Visualization. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 377-390.	4.4	19
10	An interactive method for activity detection visualization. , 2013, , .		2
11	Poster: Tracking and Visualizing the Evolution of the Universe: In situ Parallel Dark Matter Halo Merger Trees. , 2012, , .		0
12	Activity Detection for scientific visualization. , 2011, , .		5
13	Constrained illustrative volume deformation. Computers and Graphics, 2010, 34, 370-377.	2.5	11
14	Volume Splitting and Its Applications. IEEE Transactions on Visualization and Computer Graphics, 2007, 13, 193-203.	4.4	19
15	fMRI Brain Image Retrieval Based on ICA Components. , 2007, , .		10
16	Curve-Skeleton Properties, Applications, and Algorithms. IEEE Transactions on Visualization and Computer Graphics, 2007, 13, 530-548.	4.4	380
17	Visualizing collision effects between penetrating and non-penetrating objects. , 2007, , .		0
18	fMRI Brain Image Retrieval Based on ICA Components. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
19	Feature Aligned Volume Manipulation for Illustration and Visualization. IEEE Transactions on Visualization and Computer Graphics, 2006, 12, 1069-1076.	4.4	68
20	Entrainment and bending in a major hydrothermal plume, Main Endeavour Field, Juan de Fuca Ridge. Geophysical Research Letters, 2006, 33, .	4.0	28
21	Computing hierarchical curve-skeletons of 3D objects. Visual Computer, 2005, 21, 945-955.	3.5	195
22	Acoustics advances study of sea floor hydrothermal flow. Eos, 2002, 83, 497.	0.1	32
23	Title is missing!. Marine Geophysical Researches, 2002, 23, 81-96.	1.2	19
24	Animating Volumetric Models. Graphical Models, 2001, 63, 443-458.	2.4	41
25	Shape-based volumetric collision detection. , 2000, , .		13
26	Shape-Based Volumetric Collision Detection. , 2000, , .		2
27	Parameter-Controlled Volume Thinning. Graphical Models, 1999, 61, 149-164.	1.3	103
28	Visiometrics of Complex Physical Processes: Diagnosing Vortex-Dominated Flows. Computers in Physics, 1996, 10, 463-470.	0.5	4
29	Collapse, intensification and reconnection in vortex dominated flows: visiometrics and modeling. Physica D: Nonlinear Phenomena, 1995, 86, 1-11.	2.8	9
30	Visiometrics, Juxtaposition and Modeling. Physics Today, 1993, 46, 24-31.	0.3	332