

Ronald Peikert

List of Publications by Year in descending order

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399
citing authors

#	ARTICLE	IF	CITATIONS
1	Over Two Decades of Integration-Based, Geometric Flow Visualization. Computer Graphics Forum, 2010, 29, 1807-1829.	1.8	219
2	Efficient Visualization of Lagrangian Coherent Structures by Filtered AMR Ridge Extraction. IEEE Transactions on Visualization and Computer Graphics, 2007, 13, 1456-1463.	2.9	129
3	The State of the Art in Topology-Based Visualization of Unsteady Flow. Computer Graphics Forum, 2011, 30, 1789-1811.	1.8	79
4	Height Ridge Computation and Filtering for Visualization. , 2008, , .		41
5	Visualizing Lagrangian Coherent Structures and Comparison to Vector Field Topology. Mathematics and Visualization, 2009, , 15-29.	0.4	32
6	Toward a Lagrangian Vector Field Topology. Computer Graphics Forum, 2010, 29, 1163-1172.	1.8	27
7	Ridge Concepts for the Visualization of Lagrangian Coherent Structures. Mathematics and Visualization, 2012, , 221-235.	0.4	24
8	Parallel Vectors Criteria for Unsteady Flow Vortices. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 615-626.	2.9	22
9	Topologically relevant stream surfaces for flow visualization. , 2009, , .		22
10	Topology-guided Visualization of Constrained Vector Fields. Mathematics and Visualization, 2007, , 21-33.	0.4	18
11	A Comparison of Finite-Time and Finite-Size Lyapunov Exponents. Mathematics and Visualization, 2014, , 187-200.	0.4	14
12	Flow Topology Beyond Skeletons: Visualization of Features in Recirculating Flow. Mathematics and Visualization, 2009, , 145-160.	0.4	14
13	Predictor-Corrector Schemes for Visualization of Smoothed Particle Hydrodynamics Data. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1243-1250.	2.9	8
14	Filtering of FTLE for Visualizing Spatial Separation in Unsteady 3D Flow. Mathematics and Visualization, 2012, , 237-253.	0.4	8
15	Feature-Based Visualization of Multifields. Mathematics and Visualization, 2014, , 189-196.	0.4	6
16	Scale-Space Approaches to FTLE Ridges. Mathematics and Visualization, 2012, , 283-296.	0.4	5
17	Comment on "Second derivative ridges are straight lines and the implications for computing Lagrangian Coherent Structures, Physica D 2012.05.006": Physica D: Nonlinear Phenomena, 2013, 242, 65-66.	1.3	5
18	Current Trends for 4D Space-Time Topology for Semantic Flow Segmentation. Procedia Computer Science, 2011, 7, 253-255.	1.2	0