Ronald Peikert

List of Publications by Year
in descending order

18 papers	698 citations	840585 11 h-index	940416 16 g-index
19 all docs	19 docs citations	19 times ranked	399 citing authors

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