Donald R Sheehy

List of Publications by Year
in descending order

23 papers	229 citations	1478505 6 h-index	1474206 9 g-index
23 all docs	23 docs citations	23 times ranked	174 citing authors

#	Article	IF	Citations
1	Linear-Size Approximations to the Vietoris–Rips Filtration. Discrete and Computational Geometry, 2013, 49, 778-796.	0.6	50
2	Efficient and robust persistent homology for measures. Computational Geometry: Theory and Applications, 2016, 58, 70-96.	0.5	26
3	Approximate centerpoints with proofs. Computational Geometry: Theory and Applications, 2010, 43, 647-654.	0.5	22
4	Shape deformation in continuous map generalization. GeoInformatica, 2009, 13, 203-221.	2.7	19
5	Efficient and Robust Persistent Homology for Measures. , 2015, , .		19
6	Topological inference via meshing. , 2010, , .		15
7	The Persistent Homology of Distance Functions under Random Projection. , 2014, , .		13
8	New Bounds on the Size of Optimal Meshes. Computer Graphics Forum, 2012, 31, 1627-1635.	3.0	11
9	Zigzag Zoology: Rips Zigzags for Homology Inference. Foundations of Computational Mathematics, 2015, 15, 1151-1186.	2.5	10
10	Linear-size approximations to the vietoris-rips filtration. , 2012, , .		9
11	Beating the spread. , 2011, , .		8
12	A fast algorithm for well-spaced points and approximate delaunay graphs. , 2013, , .		5
13	Zigzag zoology. , 2013, , .		5
14	Efficient Algorithm for the Topological Characterization of Worm-like and Branched Micelle Structures from Simulations. Journal of Chemical Theory and Computation, 2020, 16, 4588-4598.	5.3	5
15	Approximate center points with proofs. , 2009, , .		4
16	Approximating Nearest Neighbor Distances. Lecture Notes in Computer Science, 2015, , 200-211.	1.3	3
17	A New Approach to Output-Sensitive Construction of Voronoi Diagrams and Delaunay Triangulations. Discrete and Computational Geometry, 2014, 52, 476-491.	0.6	2
18	When and Why the Topological Coverage Criterion Works. , 2017, , .		2

#	Article	IF	Citations
19	A new approach to output-sensitive voronoi diagrams and delaunay triangulations. , 2013, , .		1
20	FrÃ©chet-Stable Signatures Using Persistence Homology. , 2018, , 1100-1108.		0
21	Adaptive Metrics for Adaptive Samples. Algorithms, 2020, 13, 200.	2.1	0
22	Persistent Homology and Nested Dissection. , 2016, , .		0
23	Size Competitive Meshing Without Large Angles. Lecture Notes in Computer Science, 2007, , 655-666.	1.3	0