

Donald R Sheehy

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

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1474206

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23
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docs citations

23
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Metrics for Adaptive Samples. Algorithms, 2020, 13, 200.	2.1	0
2	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
3	Fr�chet-Stable Signatures Using Persistence Homology. , 2018, , 1100-1108.		0
4	When and Why the Topological Coverage Criterion Works. , 2017, , .		2
5	Efficient and robust persistent homology for measures. Computational Geometry: Theory and Applications, 2016, 58, 70-96.	0.5	26
6	Persistent Homology and Nested Dissection. , 2016, , .		0
7	Zigzag Zoology: Rips Zigzags for Homology Inference. Foundations of Computational Mathematics, 2015, 15, 1151-1186.	2.5	10
8	Approximating Nearest Neighbor Distances. Lecture Notes in Computer Science, 2015, , 200-211.	1.3	3
9	Efficient and Robust Persistent Homology for Measures. , 2015, , .		19
10	The Persistent Homology of Distance Functions under Random Projection. , 2014, , .		13
11	A New Approach to Output-Sensitive Construction of Voronoi Diagrams and Delaunay Triangulations. Discrete and Computational Geometry, 2014, 52, 476-491.	0.6	2
12	Linear-Size Approximations to the Vietoris-Rips Filtration. Discrete and Computational Geometry, 2013, 49, 778-796.	0.6	50
13	A fast algorithm for well-spaced points and approximate delaunay graphs. , 2013, , .		5
14	A new approach to output-sensitive voronoi diagrams and delaunay triangulations. , 2013, , .		1
15	Zigzag zoology. , 2013, , .		5
16	Linear-size approximations to the vietoris-rips filtration. , 2012, , .		9
17	New Bounds on the Size of Optimal Meshes. Computer Graphics Forum, 2012, 31, 1627-1635.	3.0	11
18	Beating the spread. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
19	Approximate centerpoints with proofs. Computational Geometry: Theory and Applications, 2010, 43, 647-654.	0.5	22
20	Topological inference via meshing. , 2010, , .		15
21	Approximate center points with proofs. , 2009, , .		4
22	Shape deformation in continuous map generalization. Geoinformatica, 2009, 13, 203-221.	2.7	19
23	Size Competitive Meshing Without Large Angles. Lecture Notes in Computer Science, 2007, , 655-666.	1.3	0