

# Jian Sun

## List of Publications by Year in descending order

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22  
papers

2,004  
citations

759233

12  
h-index

940533

16  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1519  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Concise and Provably Informative Multi-scale Signature Based on Heat Diffusion. Computer Graphics Forum, 2009, 28, 1383-1392.	3.0	1,028
2	Global Intrinsic Symmetries of Shapes. Computer Graphics Forum, 2008, 27, 1341-1348.	3.0	157
3	Discrete laplace operator on meshed surfaces. , 2008, , .		126
4	Topological methods for exploring low-density states in biomolecular folding pathways. Journal of Chemical Physics, 2009, 130, 144115.	3.0	101
5	Structural Insight into RNA Hairpin Folding Intermediates. Journal of the American Chemical Society, 2008, 130, 9676-9678.	13.7	94
6	Constructing Laplace Operator from Point Clouds in $\mathbb{R}^d$ . , 2009, , .		75
7	Optimal Mass Transport for Shape Matching and Comparison. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 2246-2259.	13.9	71
8	Area-Preservation Mapping using Optimal Mass Transport. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2838-2847.	4.4	69
9	Variational principles for Minkowski type problems, discrete optimal transport, and discrete Monge-Ampère equations. Asian Journal of Mathematics, 2016, 20, 383-398.	0.3	58
10	Hierarchical Nystrom methods for constructing Markov state models for conformational dynamics. Journal of Chemical Physics, 2013, 138, 174106.	3.0	51
11	CONSTRUCTING MULTI-RESOLUTION MARKOV STATE MODELS (MSMS) TO ELUCIDATE RNA HAIRPIN FOLDING MECHANISMS. , 2009, , 228-239.		38
12	A fast parallel clustering algorithm for molecular simulation trajectories. Journal of Computational Chemistry, 2013, 34, 95-104.	3.3	35
13	Point Integral Method for Solving Poisson-Type Equations on Manifolds from Point Clouds with Convergence Guarantees. Communications in Computational Physics, 2017, 22, 228-258.	1.7	26
14	Road Network Reconstruction for Organizing Paths. , 2010, , .		20
15	Gromov-Hausdorff Approximation of Filamentary Structures Using Reeb-Type Graphs. Discrete and Computational Geometry, 2015, 53, 621-649.	0.6	14
16	Fuzzy Geodesics and Consistent Sparse Correspondences For: eformable Shapes. Computer Graphics Forum, 2010, 29, 1535-1544.	3.0	13
17	Gromov-Hausdorff Approximation of Filament Structure Using Reeb-type Graph. , 2014, , .		11
18	Convergence of the point integral method for Laplace-Beltrami equation on point cloud. Research in Mathematical Sciences, 2017, 4, 1.	1.0	7

#	ARTICLE	IF	CITATIONS
19	A Fourier-theoretic approach for inferring symmetries. Computational Geometry: Theory and Applications, 2014, 47, 164-174.	0.5	4
20	Optimal mass transport for geometric modeling based on variational principles in convex geometry. Engineering With Computers, 2014, 30, 475-486.	6.1	3
21	Harmonic Extension on The Point Cloud. Multiscale Modeling and Simulation, 2018, 16, 215-247.	1.6	3
22	Learning Spectral Transform Network on 3D Surface for Non-rigid Shape Analysis. Lecture Notes in Computer Science, 2019, , 377-394.	1.3	0