

Jose A Perea

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

407
citations

1307594

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1474206

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g-index

11
all docs

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docs citations

11
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Study of Machine Learning Methods for Persistence Diagrams. <i>Frontiers in Artificial Intelligence</i> , 2021, 4, 681174.	3.4	10
2	Sparse Circular Coordinates via Principal \mathbb{Z} -Bundles. <i>Abel Symposia</i> , 2020, , 435-458.	0.3	7
3	Twisty Takens: a geometric characterization of good observations on dense trajectories. <i>Journal of Applied and Computational Topology</i> , 2019, 3, 285-313.	2.0	5
4	Adaptive Template Systems: Data-Driven Feature Selection for Learning with Persistence Diagrams. , 2019, , .		4
5	Multiscale Projective Coordinates via Persistent Cohomology of Sparse Filtrations. <i>Discrete and Computational Geometry</i> , 2018, 59, 175-225.	0.6	16
6	(Quasi)Periodicity Quantification in Video Data, Using Topology. <i>SIAM Journal on Imaging Sciences</i> , 2018, 11, 1049-1077.	2.2	37
7	Chatter Classification in Turning using Machine Learning and Topological Data Analysis. <i>IFAC-PapersOnLine</i> , 2018, 51, 195-200.	0.9	32
8	Persistent homology of toroidal sliding window embeddings. , 2016, , .		20
9	SW1PerS: Sliding windows and 1-persistence scoring; discovering periodicity in gene expression time series data. <i>BMC Bioinformatics</i> , 2015, 16, 257.	2.6	74
10	Sliding Windows and Persistence: An Application of Topological Methods to Signal Analysis. <i>Foundations of Computational Mathematics</i> , 2015, 15, 799-838.	2.5	163
11	A Klein-Bottle-Based Dictionary for Texture Representation. <i>International Journal of Computer Vision</i> , 2014, 107, 75-97.	15.6	39