

# Jose A Perea

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10399803/publications.pdf>

Version: 2024-02-01

11  
papers

407  
citations

1307594

7  
h-index

1474206

9  
g-index

11  
all docs

11  
docs citations

11  
times ranked

293  
citing authors

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