

Franco Milicchio

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

172
citations

1478505

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h-index

1281871

11
g-index

31
all docs

31
docs citations

31
times ranked

158
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Geodesics in the TPS Space. Mathematics, 2022, 10, 1562. | 2.2 | 0 |
| 2 | A Krylov accelerated Newton-Raphson scheme for efficient pseudo-arclength pathfollowing. International Journal of Non-Linear Mechanics, 2022, 145, 104116. | 2.6 | 6 |
| 3 | Transporting Deformations of Face Emotions in the Shape Spaces: A Comparison of Different Approaches. Journal of Mathematical Imaging and Vision, 2021, 63, 875-893. | 1.3 | 3 |
| 4 | Experimental Survey on Power Dissipation of k-mer-Handling Data Structures for Mobile Bioinformatics. , 2021, , . | | 2 |
| 5 | Kinship-based differential evolution algorithm for unconstrained numerical optimization. Nonlinear Dynamics, 2020, 99, 1341-1361. | 5.2 | 3 |
| 6 | Portable nanopore analytics: are we there yet?. Bioinformatics, 2020, 36, 4399-4405. | 4.1 | 22 |
| 7 | Parallel transport of local strains. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 520-528. | 1.9 | 0 |
| 8 | An Integrated CAD Strategy for Nonlinear Dynamics of 3D Suspended Bridges. Computer-Aided Design and Applications, 2019, 16, 1046-1062. | 0.6 | 0 |
| 9 | Hysteretic damping optimization in carbon nanotube nanocomposites. Composite Structures, 2018, 194, 633-642. | 5.8 | 14 |
| 10 | Transporting Deformations via Integration of Local Strains. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1145-1154. | 0.5 | 0 |
| 11 | Third-generation sequencing data analytics on mobile devices: cache oblivious and out-of-core approaches as a proof-of-concept. Procedia Computer Science, 2018, 134, 219-226. | 2.0 | 5 |
| 12 | Computational efficiency and accuracy of sequential nonlinear cyclic analysis of carbon nanotube nanocomposites. Advances in Engineering Software, 2018, 125, 126-135. | 3.8 | 3 |
| 13 | Efficient data structures for mobile de novo genome assembly by third-generation sequencing. Procedia Computer Science, 2017, 110, 440-447. | 2.0 | 5 |
| 14 | Accessible Tourism for the Deaf via Mobile Apps. , 2016, , . | | 10 |
| 15 | A* fast and scalable high-throughput sequencing data error correction via oligomers. , 2016, , . | | 2 |
| 16 | High-performance data structures for de novo assembly of genomes. , 2016, , . | | 2 |
| 17 | Crack growth propagation using standard FEM. Engineering Fracture Mechanics, 2016, 165, 1-18. | 4.3 | 17 |
| 18 | Visual programming for next-generation sequencing data analytics. BioData Mining, 2016, 9, 16. | 4.0 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Physical design for distributed RFID-based supply chain management. Distributed and Parallel Databases, 2016, 34, 3-32. | 1.6 | 5 |
| 20 | HErCoOl: High-Throughput Error Correction by Oligomers. , 2014, , . | | 2 |
| 21 | RFID Data Monitoring and Cleaning Using Tensor Calculus. Communications in Computer and Information Science, 2012, , 539-549. | 0.5 | 1 |
| 22 | RFID data analysis using tensor calculus for supply chain management. , 2011, , . | | 2 |
| 23 | Visual Programming of Location-Based Services. Lecture Notes in Computer Science, 2011, , 3-12. | 1.3 | 6 |
| 24 | Discrete physics using metrized chains. , 2009, , . | | 9 |
| 25 | Chain-Based Representations for Solid and Physical Modeling. IEEE Transactions on Automation Science and Engineering, 2009, 6, 454-467. | 5.2 | 17 |
| 26 | Critical Infrastructures as Complex Systems: A Multi-level Protection Architecture. Lecture Notes in Computer Science, 2009, , 368-375. | 1.3 | 1 |
| 27 | A codimension-zero approach to discretizing and solving field problems. Advanced Engineering Informatics, 2008, 22, 172-185. | 8.0 | 5 |
| 28 | FROM 2D PLANS TO 3D BUILDING MODELS FOR SECURITY MODELING OF CRITICAL INFRASTRUCTURES. International Journal of Shape Modeling, 2008, 14, 61-78. | 0.2 | 1 |
| 29 | Solid and physical modeling with chain complexes. , 2007, , . | | 9 |
| 30 | A Visual Approach To Geometric Programming. Computer-Aided Design and Applications, 2005, 2, 411-419. | 0.6 | 4 |
| 31 | A coupled multiphase Lagrangian-Eulerian fluid-dynamics framework for numerical simulation of Laser Metal Deposition process. International Journal of Advanced Manufacturing Technology, 0, , 1. | 3.0 | 2 |