

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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1281871

11
g-index

31
all docs

31
docs citations

31
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	Portable nanopore analytics: are we there yet?. <i>Bioinformatics</i> , 2020, 36, 4399-4405.	4.1	22
2	Chain-Based Representations for Solid and Physical Modeling. <i>IEEE Transactions on Automation Science and Engineering</i> , 2009, 6, 454-467.	5.2	17
3	Crack growth propagation using standard FEM. <i>Engineering Fracture Mechanics</i> , 2016, 165, 1-18.	4.3	17
4	Visual programming for next-generation sequencing data analytics. <i>BioData Mining</i> , 2016, 9, 16.	4.0	14
5	Hysteretic damping optimization in carbon nanotube nanocomposites. <i>Composite Structures</i> , 2018, 194, 633-642.	5.8	14
6	Accessible Tourism for the Deaf via Mobile Apps. , 2016, , .		10
7	Solid and physical modeling with chain complexes. , 2007, , .		9
8	Discrete physics using metrized chains. , 2009, , .		9
9	Visual Programming of Location-Based Services. <i>Lecture Notes in Computer Science</i> , 2011, , 3-12.	1.3	6
10	A Krylov accelerated Newton-Raphson scheme for efficient pseudo-arclength pathfollowing. <i>International Journal of Non-Linear Mechanics</i> , 2022, 145, 104116.	2.6	6
11	A codimension-zero approach to discretizing and solving field problems. <i>Advanced Engineering Informatics</i> , 2008, 22, 172-185.	8.0	5
12	Physical design for distributed RFID-based supply chain management. <i>Distributed and Parallel Databases</i> , 2016, 34, 3-32.	1.6	5
13	Efficient data structures for mobile de novo genome assembly by third-generation sequencing. <i>Procedia Computer Science</i> , 2017, 110, 440-447.	2.0	5
14	Third-generation sequencing data analytics on mobile devices: cache oblivious and out-of-core approaches as a proof-of-concept. <i>Procedia Computer Science</i> , 2018, 134, 219-226.	2.0	5
15	A Visual Approach To Geometric Programming. <i>Computer-Aided Design and Applications</i> , 2005, 2, 411-419.	0.6	4
16	Computational efficiency and accuracy of sequential nonlinear cyclic analysis of carbon nanotube nanocomposites. <i>Advances in Engineering Software</i> , 2018, 125, 126-135.	3.8	3
17	Kinship-based differential evolution algorithm for unconstrained numerical optimization. <i>Nonlinear Dynamics</i> , 2020, 99, 1341-1361.	5.2	3
18	Transporting Deformations of Face Emotions in the Shape Spaces: A Comparison of Different Approaches. <i>Journal of Mathematical Imaging and Vision</i> , 2021, 63, 875-893.	1.3	3

#	ARTICLE	IF	CITATIONS
19	RFID data analysis using tensor calculus for supply chain management. , 2011, , .		2
20	HErCoOl: High-Throughput Error Correction by Oligomers. , 2014, , .		2
21	A* fast and scalable high-throughput sequencing data error correction via oligomers. , 2016, , .		2
22	High-performance data structures for de novo assembly of genomes. , 2016, , .		2
23	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
24	Experimental Survey on Power Dissipation of k-mer-Handling Data Structures for Mobile Bioinformatics. , 2021, , .		2
25	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
26	Critical Infrastructures as Complex Systems: A Multi-level Protection Architecture. Lecture Notes in Computer Science, 2009, , 368-375.	1.3	1
27	RFID Data Monitoring and Cleaning Using Tensor Calculus. Communications in Computer and Information Science, 2012, , 539-549.	0.5	1
28	Transporting Deformations via Integration of Local Strains. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1145-1154.	0.5	0
29	Parallel transport of local strains. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 520-528.	1.9	0
30	An Integrated CAD Strategy for Nonlinear Dynamics of 3D Suspended Bridges. Computer-Aided Design and Applications, 2019, 16, 1046-1062.	0.6	0
31	Geodesics in the TPS Space. Mathematics, 2022, 10, 1562.	2.2	0