Michele CalÃ¬

List of Publications by Year
in descending order

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47	513	687363	713466
papers	citations	13 h-index	21 g-index

50	50	50	594
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clinical Assessment of Dental Implant Stability During Follow-Up: What Is Actually Measured, and Perspectives. Biosensors, 2018, 8, 68.	4.7	40
2	ADDITIVELY MANUFACTURED CUSTOM LOAD-BEARING IMPLANTABLE DEVICES. Australasian Medical Journal, 2017, 10, .	0.1	40
3	Modal analysis for implant stability assessment: Sensitivity of this methodology for different implant designs. Dental Materials, 2018, 34, 1235-1245.	3.5	37
4	Experimental evaluation of the sensitivity to fuel utilization and air management on a 100kW SOFC system. Journal of Power Sources, 2007, 171, 155-168.	7.8	32
5	Advanced 3D Photogrammetric Surface Reconstruction of Extensive Objects by UAV Camera Image Acquisition. Sensors, 2018, 18, 2815.	3.8	32
6	New filaments with natural fillers for FDM 3D printing and their applications in biomedical field. Procedia Manufacturing, 2020, 51, 698-703.	1.9	30
7	A New Generation of Bio-Composite Thermoplastic Filaments for a More Sustainable Design of Parts Manufactured by FDM. Applied Sciences (Switzerland), 2020, 10, 5852.	2.5	30
8	Influence of thread shape and inclination on the biomechanical behaviour of plateau implant systems. Dental Materials, 2018, 34, 460-469.	3.5	29
9	Meshing angles evaluation of silent chain drive by numerical analysis and experimental test. Meccanica, 2016, 51, 475-489.	2.0	19
10	Complex Network Characterization Using Graph Theory and Fractal Geometry: The Case Study of Lung Cancer DNA Sequences. Applied Sciences (Switzerland), 2020, 10, 3037.	2.5	19
11	Additive Manufacturing Techniques for the Reconstruction of 3D Fetal Faces. Applied Bionics and Biomechanics, 2017, 2017, 1-10.	1.1	16
12	Design of Additively Manufactured Lattice Structures for Biomedical Applications. Journal of Healthcare Engineering, 2020, 2020, 1-3.	1.9	16
13	Mechanical characterization and modeling of downwind sailcloth in fluid-structure interaction analysis. Ocean Engineering, 2018, 165, 488-504.	4.3	15
14	Surface roughness evaluation in hardened materials by pattern recognition using network theory. International Journal on Interactive Design and Manufacturing, 2019, 13, 211-219.	2.2	14
15	Stochastic PCA-Based Bone Models from Inverse Transform Sampling: Proof of Concept for Mandibles and Proximal Femurs. Applied Sciences (Switzerland), 2021, 11, 5204.	2.5	11
16	Flexible Multibody Model of Desmodromic Timing System[#]. Mechanics Based Design of Structures and Machines, 2009, 37, 15-30.	4.7	10
17	An advanced multibody model for evaluating riderâ€™s influence on motorcycle dynamics. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2015, 229, 193-207.	0.8	10
18	Mechanical properties of amorphous Ge2Sb2Te5 thin layers. Surface and Coatings Technology, 2018, 355, 227-233.	4.8	9

#	Article	IF	Citations
19	Design of a Customized Neck Orthosis for FDM Manufacturing with a New Sustainable Bio-composite. Lecture Notes in Mechanical Engineering, 2020, , 707-718.	0.4	9
20	Accurate 3D reconstruction of a rubber membrane inflated during a Bulge Test to evaluate anisotropy. Lecture Notes in Mechanical Engineering, 2017, , 1221-1231.	0.4	9
21	Experimental methodology for the tappet characterization of timing system in I.C.E.. Meccanica, 2013, 48, 753-764.	2.0	7
22	Mandible Morphing Through Principal Components Analysis. Lecture Notes in Mechanical Engineering, 2020, , 15-23.	0.4	7
23	Performances and Degradation Phenomena of Solid Oxide Anode Supported Cells With LSM and LSCF Cathodes: An Experimental Assessment. Journal of Fuel Cell Science and Technology, 2009, 6, .	0.8	6
24	A New Methodology for Calculating and Modelling Non-Linear Springs in the Valve Train of Internal Combustion Engines. , 0, , .		6
25	An integrated approach to customize the packaging of heritage artefacts. Lecture Notes in Mechanical Engineering, 2017, , 167-175.	0.4	6
26	Error control in UAV image acquisitions for 3D reconstruction of extensive architectures. Lecture Notes in Mechanical Engineering, 2017, , 1209-1219.	0.4	6
27	Dynamic spinnaker performance through digital photogrammetry, numerical analysis and experimental tests. Lecture Notes in Mechanical Engineering, 2017, , 585-595.	0.4	6
28	Application of an Effective SIMP Method with Filtering for Topology Optimization of Motorcycle Tubular Frame. International Review of Mechanical Engineering, 2017, 11, 836.	0.2	5
29	A New Method of Quantifying the Complexity of Fractal Networks. Fractal and Fractional, 2022, 6, 282.	3.3	5
30	New Method for Estimating Fractal Dimension in 3D Space and Its Application to Complex Surfaces. International Journal on Advanced Science, Engineering and Information Technology, 2019, 9, 2154-2159.	0.4	4
31	Flying Shape Sails Analysis by Radial Basis Functions Mesh Morphing. Lecture Notes in Mechanical Engineering, 2020, , 24-36.	0.4	3
32	Complexity Modeling of Steel-Laser-Hardened Surface Microstructures. Applied Sciences (Switzerland), 2022, 12, 2458.	2.5	3
33	Comparison of Commonly Used Sail Cloths through Photogrammetric Acquisitions, Experimental Tests and Numerical Aerodynamic Simulations. Procedia Manufacturing, 2017, 11, 1651-1658.	1.9	2
34	A New Method for Biostatistical miRNA Pattern Recognition with Topological Properties of Visibility Graphs in 3D Space. Journal of Healthcare Engineering, 2019, 2019, 1-9.	1.9	2
35	Engineering and Manufacturing of a Dynamizable Fracture Fixation Device System. Applied Sciences (Switzerland), 2020, 10, 6844.	2.5	2
36	A NURBS-based solid modeling to enhance rapid prototyping in the restoration of decorative elements. International Journal on Interactive Design and Manufacturing, 2021, 15, 129-132.	2.2	2

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37	Modeling and Classification of Alluvial Fans with DEMs and Machine Learning Methods: A Case Study of Slovenian Torrential Fans. Remote Sensing, 2021, 13, 1711.	4.0	2
38	Smart Manufacturing Technology. Applied Sciences (Switzerland), 2021, 11, 8202.	2.5	2
39	An effective model for the sliding contact forces in a multibody environment. Lecture Notes in Mechanical Engineering, 2017, , 675-685.	0.4	2
40	Evaluation of microstructural complex geometry of robot laser hardened materials through a genetic programming model. Procedia Manufacturing, 2021, 55, 253-259.	1.9	2
41	A Bespoke Neck Orthosis for Additive Manufacturing with Improved Design Method and Sustainable Material. Lecture Notes in Mechanical Engineering, 2022, , 50-58.	0.4	1
42	A mesh morphing computational method for geometry optimization of assembled mechanical systems with flexible components. International Journal on Interactive Design and Manufacturing, 0, , 1.	2.2	1
43	Design and Modeling of Viscoelastic Layers for Locomotive Wheel Damping. Vibration, 2021, 4, 906-937.	1.9	1
44	SOFC 5â€‰kW_e CHP Field Unit: Effect of the Methane Dilution. Fuel Cells, 2010, 10, 453-462.	2.4	0
45	Feature-Based Modelling of Laryngoscope Blades for Customized Applications. Lecture Notes in Mechanical Engineering, 2021, , 206-211.	0.4	0
46	Virtual Prototyping Design Method to Optimize Mechanical Spring Devices for MV Switch Disconnector. Lecture Notes in Mechanical Engineering, 2020, , 458-469.	0.4	0
47	Battens Modelling and Optimization in Air-Sail Interaction Analysis. Lecture Notes in Mechanical Engineering, 2022, , 59-68.	0.4	0