

Je Ribeiro

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

801
citations

623734

14
h-index

526287

27
g-index

44
all docs

44
docs citations

44
times ranked

387
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Developments on the Thermal Properties, Stability and Applications of Nanofluids in Machining, Solar Energy and Biomedicine. Applied Sciences (Switzerland), 2022, 12, 1115.	2.5	23
2	Low-Cost Multifunctional Vacuum Chamber for Manufacturing PDMS Based Composites. Machines, 2022, 10, 92.	2.2	0
3	Properties and Applications of PDMS for Biomedical Engineering: A Review. Journal of Functional Biomaterials, 2022, 13, 2.	4.4	216
4	Micromechanical Analysis of a Bio-Sandwich Application for Cylinder under Pressure. Journal of Composites Science, 2022, 6, 69.	3.0	1
5	Fluid Flow and Structural Numerical Analysis of a Cerebral Aneurysm Model. Fluids, 2022, 7, 100.	1.7	6
6	PI tensile tests: conventional and digital image correlation analysis.. Procedia Structural Integrity, 2022, 37, 389-396.	0.8	1
7	Mechanical Characterization of PDMS with Different Mixing Ratios. Procedia Structural Integrity, 2022, 37, 383-388.	0.8	24
8	Experimental and numerical study to minimize the residual stresses in welding of 6082-T6 aluminum alloy. AIMS Materials Science, 2021, 8, 271-282.	1.4	8
9	Manual and Automatic Image Analysis Segmentation Methods for Blood Flow Studies in Microchannels. Micromachines, 2021, 12, 317.	2.9	9
10	Composite Material of PDMS with Interchangeable Transmittance: Study of Optical, Mechanical Properties and Wettability. Journal of Composites Science, 2021, 5, 110.	3.0	12
11	Effect of Welding Orientation in Angular Distortion in Multipass GMAW. Journal of Manufacturing and Materials Processing, 2021, 5, 63.	2.2	4
12	Parametric Optimization of the GMAW Welding Process in Thin Thickness of Austenitic Stainless Steel by Taguchi Method. Applied Sciences (Switzerland), 2021, 11, 8742.	2.5	9
13	Welding Process Automation of Aluminum Alloys for the Transport Industry: An Industrial Robotics Approach. Lecture Notes in Electrical Engineering, 2021, , 72-81.	0.4	2
14	EXPERIENCING THE TECHNICAL-SCIENTIFIC PRODUCTION PROCESS WITH MASTER'S STUDENTS. , 2021, , .		0
15	Polydimethylsiloxane mechanical properties: A systematic review. AIMS Materials Science, 2021, 8, 952-973.	1.4	20
16	Polydimethylsiloxane Composites Characterization and Its Applications: A Review. Polymers, 2021, 13, 4258.	4.5	94
17	3D manufacturing of intracranial aneurysm biomodels for flow visualizations: Low cost fabrication processes. Mechanics Research Communications, 2020, 107, 103535.	1.8	25
18	Characterization of Shear Strain on PDMS: Numerical and Experimental Approaches. Applied Sciences (Switzerland), 2020, 10, 3322.	2.5	13

#	ARTICLE	IF	CITATIONS
19	In vitro Biomodels in Stenotic Arteries to Perform Blood Analogues Flow Visualizations and Measurements: A Review. <i>Open Biomedical Engineering Journal</i> , 2020, 14, 87-102.	0.5	24
20	Study of PDMS characterization and its applications in biomedicine: A review. <i>Journal of Mechanical Engineering and Biomechanics</i> , 2019, 4, 1-9.	0.7	88
21	Mechanical analysis of PDMS material using biaxial test. <i>AIMS Materials Science</i> , 2019, 6, 97-110.	1.4	16
22	Numerical Characterization of a Hyperelastic Material to Shear Stress. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2019, , 661-670.	0.5	0
23	Biomechanical analysis of PDMS channels using different hyperelastic numerical constitutive models. <i>Mechanics Research Communications</i> , 2018, 90, 26-33.	1.8	19
24	Modeling and trade-off analysis of a capacitive silicon Mach-Zehnder modulator for telecom applications. , 2018, , .		3
25	Optimization of Robotized Welding in Aluminum Alloys with Pulsed Transfer Mode Using the Taguchi Method. <i>Proceedings (mdpi)</i> , 2018, 2, 426.	0.2	3
26	Robotic Welding Tests MIG Standard and CMT+P in Aluminum Alloy 6082-T6 for Optimization of Penetration, Cord Width and Reinforcement. <i>Proceedings (mdpi)</i> , 2018, 2, 425.	0.2	3
27	A hybrid method to characterise the mechanical behaviour of biological hyper-elastic tissues. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2017, 5, 157-164.	1.9	4
28	Estimation of the dynamic modal parameters of a small-scaled mockup. <i>Procedia Structural Integrity</i> , 2017, 5, 347-354.	0.8	1
29	Optimization of machining parameters to improve the surface quality. <i>Procedia Structural Integrity</i> , 2017, 5, 355-362.	0.8	48
30	Optimization of Cutting Parameters to Minimize the Surface Roughness in the End Milling Process Using the Taguchi Method. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2017, 61, 30-35.	1.4	29
31	Wall expansion assessment of an intracranial aneurysm model by a 3D Digital Image Correlation System. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 88, 262-270.	5.0	24
32	Assessment of the Displacement Field Along a Surface Crack in a Flat Plate Using Optical Techniques. <i>Experimental Techniques</i> , 2015, 39, 10-20.	1.5	1
33	Characterization of coating processes in MoirÃ© Diffraction Gratings for strain measurements. <i>Optics and Laser Technology</i> , 2013, 47, 159-165.	4.6	2
34	Optical Fibers on Medical Instrumentation. <i>International Journal of Biomedical and Clinical Engineering</i> , 2013, 2, 23-36.	0.2	0
35	Interferometric Techniques in Structural Damage Identification. <i>Shock and Vibration</i> , 2012, 19, 835-844.	0.6	11
36	MoirÃ© Interferometry Assesment of Residual Stress Variation in Depth on a Shot Peened Surface. <i>Strain</i> , 2011, 47, e542.	2.4	14

#	ARTICLE	IF	CITATIONS
37	The measurement of the modal strain fields using digital shearography. EPJ Web of Conferences, 2010, 6, 33002.	0.3	0
38	Unwrapping techniques for speckle phase maps: study and comparison of the performance of principal methods. EPJ Web of Conferences, 2010, 6, 10006.	0.3	1
39	Measurement of Residual Stresses with Optical Techniques. Strain, 2009, 45, 123-130.	2.4	16
40	The Contour Method for Residual Stress Determination Applied to an AA6082-T6 Friction Stir Butt Weld. Materials Science Forum, 0, 681, 177-181.	0.3	15