

Andrés A García-a-Granada

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

853
citations

686830

13
h-index

552369

26
g-index

29
all docs

29
docs citations

29
times ranked

875
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical property characterization and simulation of fused deposition modeling Polycarbonate parts. <i>Materials and Design</i> , 2015, 83, 670-677.	3.3	378
2	Multi Jet Fusion PA12 Manufacturing Parameters for Watertightness, Strength and Tolerances. <i>Materials</i> , 2018, 11, 1472.	1.3	58
3	A study of creep in polycarbonate fused deposition modelling parts. <i>Materials and Design</i> , 2018, 141, 414-425.	3.3	54
4	A new procedure based on Sachs's™ boring for measuring non-axisymmetric residual stresses. <i>International Journal of Mechanical Sciences</i> , 2000, 42, 1027-1047.	3.6	47
5	Design and Evaluation of an Osteogenesis-on-a-Chip Microfluidic Device Incorporating 3D Cell Culture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 557111.	2.0	41
6	The effect of in-plane layer orientation on mixed-mode I-II fracture behavior of 3D-printed poly-carbonate specimens. <i>Engineering Fracture Mechanics</i> , 2020, 231, 107018.	2.0	35
7	Prediction of the growth rate for fatigue cracks emanating from cold expanded holes. <i>International Journal of Fatigue</i> , 2004, 26, 585-595.	2.8	34
8	Ball-burnishing effect on deep residual stress on AISI 1038 and AA2017-T4. <i>Materials and Manufacturing Processes</i> , 2017, 32, 1279-1289.	2.7	31
9	Mechanical behavior of an additively manufactured poly-carbonate specimen: tensile, flexural and mode I fracture properties. <i>Rapid Prototyping Journal</i> , 2019, 26, 267-277.	1.6	27
10	Creep Relaxation of Residual Stresses Around Cold Expanded Holes. <i>Journal of Engineering Materials and Technology</i> , <i>Transactions of the ASME</i> , 2001, 123, 125-131.	0.8	26
11	Molecular dynamics simulation method applied to nanocavities replication via injection moulding. <i>International Communications in Heat and Mass Transfer</i> , 2017, 87, 1-5.	2.9	22
12	A statistical analysis of nanocavities replication applied to injection moulding. <i>International Communications in Heat and Mass Transfer</i> , 2017, 81, 131-140.	2.9	16
13	A new procedure based on Sachs's™ boring for measuring non-axisymmetric residual stresses: experimental application. <i>International Journal of Mechanical Sciences</i> , 2001, 43, 2753-2768.	3.6	13
14	Replication of nanoscale surface gratings via injection molding. <i>Micro and Nano Engineering</i> , 2019, 3, 37-43.	1.4	13
15	A methodology for damping measurement of engineering materials: application to a structure under bending and torsion loading. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 2471-2481.	1.5	10
16	Injection moulding of plastic parts with laser textured surfaces with optical applications. <i>Optical Materials</i> , 2018, 79, 372-380.	1.7	9
17	Topology optimization through stiffness/weight ratio analysis for a three-point bending test of additive manufactured parts. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 700, 012012.	0.3	8
18	Engineered arterial models to correlate blood flow to tissue biological response. <i>Annals of the New York Academy of Sciences</i> , 2012, 1254, 51-56.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Time-Dependent Mechanical Properties in Polyetherimide 3D-Printed Parts Are Dictated by Isotropic Performance Being Accurately Predicted by the Generalized Time Hardening Model. <i>Polymers</i> , 2020, 12, 678.	2.0	6
20	Simulation Approach for Hydrophobicity Replication via Injection Molding. <i>Polymers</i> , 2021, 13, 2069.	2.0	4
21	Thermal Comparison of Conventional and Conformal Cooling Channel Designs for a Non-Constant Thickness Screw Cap. <i>Journal of the Korean Society for Precision Engineering</i> , 2018, 35, 95-101.	0.1	4
22	Glass Gob Modeling and Experimental Validation Using a Drop Test. <i>MATEC Web of Conferences</i> , 2018, 167, 02009.	0.1	3
23	3D Simulation of Nanostructures Replication via Injection Molding. <i>International Polymer Processing</i> , 2017, 32, 483-488.	0.3	3
24	Arterial pulse attenuation prediction using the decaying rate of a pressure wave in a viscoelastic material model. <i>Biomechanics and Modeling in Mechanobiology</i> , 2018, 17, 589-603.	1.4	2
25	Numerical and experimental study of blow and blow for perfume bottles to predict glass thickness and blank mold influence. <i>International Journal of Applied Glass Science</i> , 2019, 10, 569-583.	1.0	2
26	Fracture assessment of polycarbonate parts produced by fused deposition modeling in the out-of-plane printing direction – effect of raster angle. <i>Rapid Prototyping Journal</i> , 2022, 28, 226-235.	1.6	1
27	ANÁLISIS DE RIGIDEZ DE UN SISTEMA DE INTERIOR DE AUTOMÓVIL. EXPERIENCIA DOCENTE EN EL MARCO EEES. <i>Dyna (Spain)</i> , 2016, 91, 272-276.	0.1	0
28	IMPLEMENTACIÓN DE UN DISEÑO DE EXPERIMENTOS PARA UNA MEJORA ESTRUCTURAL DE UN ASIDERO APOYAPIERNAS. <i>Dyna (Spain)</i> , 2016, 91, 392-396.	0.1	0