

Andrs A Garca-Granada

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24 papers	575 citations	12 h-index	23 g-index
29 ext. papers	716 ext. citations	3.6 avg, IF	3.95 L-index

#	Paper	IF	Citations
24	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,	4.5	1
23	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	4.2	16
22	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	5.8	13
21	Replication of nanoscale surface gratings via injection molding. <i>Micro and Nano Engineering</i> , 2019 , 3, 37-43	3.4	5
20	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	1.8	0
19	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	3.8	16
18	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	0.4	1
17	Injection moulding of plastic parts with laser textured surfaces with optical applications. <i>Optical Materials</i> , 2018 , 79, 372-380	3.3	6
16	A study of creep in polycarbonate fused deposition modelling parts. <i>Materials and Design</i> , 2018 , 141, 414-425	8.1	44
15	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	0.3	2
14	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	3.8	1
13	Glass Gob Modeling and Experimental Validation Using a Drop Test. <i>MATEC Web of Conferences</i> , 2018 , 167, 02009	0.3	1
12	Multi Jet Fusion PA12 Manufacturing Parameters for Watertightness, Strength and Tolerances. <i>Materials</i> , 2018 , 11,	3.5	37
11	Ball-burnishing effect on deep residual stress on AISI 1038 and AA2017-T4. <i>Materials and Manufacturing Processes</i> , 2017 , 32, 1279-1289	4.1	21
10	A statistical analysis of nanocavities replication applied to injection moulding. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 81, 131-140	5.8	11
9	Molecular dynamics simulation method applied to nanocavities replication via injection moulding. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 87, 1-5	5.8	15
8	3D Simulation of Nanostructures Replication via Injection Molding. <i>International Polymer Processing</i> , 2017 , 32, 483-488	1	2

7	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	2	5
6	Mechanical property characterization and simulation of fused deposition modeling Polycarbonate parts. <i>Materials and Design</i> , 2015 , 83, 670-677	8.1	271
5	Engineered arterial models to correlate blood flow to tissue biological response. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1254, 51-6	6.5	5
4	Prediction of the growth rate for fatigue cracks emanating from cold expanded holes. <i>International Journal of Fatigue</i> , 2004 , 26, 585-595	5	27
3	A new procedure based on Sachs boring for measuring non-axisymmetric residual stresses: experimental application. <i>International Journal of Mechanical Sciences</i> , 2001 , 43, 2753-2768	5.5	13
2	Creep Relaxation of Residual Stresses Around Cold Expanded Holes. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2001 , 123, 125-131	1.8	24
1	A new procedure based on Sachs boring for measuring non-axisymmetric residual stresses. <i>International Journal of Mechanical Sciences</i> , 2000 , 42, 1027-1047	5.5	38