Andrs A Garca-Granada

List of Publications by Citations

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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	Mechanical property characterization and simulation of fused deposition modeling Polycarbonate parts. *Materials and Design*, **2015**, 83, 670-677	8.1	271
23	A study of creep in polycarbonate fused deposition modelling parts. *Materials and Design*, **2018**, 141, 414-425	8.1	44
22	A new procedure based on Sachs boring for measuring non-axisymmetric residual stresses. *International Journal of Mechanical Sciences*, **2000**, 42, 1027-1047	5.5	38
21	Multi Jet Fusion PA12 Manufacturing Parameters for Watertightness, Strength and Tolerances. *Materials*, **2018**, 11,	3.5	37
20	Prediction of the growth rate for fatigue cracks emanating from cold expanded holes. *International Journal of Fatigue*, **2004**, 26, 585-595	5	27
19	Creep Relaxation of Residual Stresses Around Cold Expanded Holes. *Journal of Engineering Materials and Technology, Transactions of the ASME*, **2001**, 123, 125-131	1.8	24
18	Ball-burnishing effect on deep residual stress on AISI 1038 and AA2017-T4. *Materials and Manufacturing Processes*, **2017**, 32, 1279-1289	4.1	21
17	The effect of in-plane layer orientation on mixed-mode I-II fracture behavior of 3D-printed poly-carbonate specimens. *Engineering Fracture Mechanics*, **2020**, 231, 107018	4.2	16
16	Mechanical behavior of an additively manufactured poly-carbonate specimen: tensile, flexural and mode I fracture properties. *Rapid Prototyping Journal*, **2019**, 26, 267-277	3.8	16
15	Molecular dynamics simulation method applied to nanocavities replication via injection moulding. *International Communications in Heat and Mass Transfer*, **2017**, 87, 1-5	5.8	15
14	A new procedure based on Sachs boring for measuring non-axisymmetric residual stresses: experimental application. *International Journal of Mechanical Sciences*, **2001**, 43, 2753-2768	5.5	13
13	Design and Evaluation of an Osteogenesis-on-a-Chip Microfluidic Device Incorporating 3D Cell Culture. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 557111	5.8	13
12	A statistical analysis of nanocavities replication applied to injection moulding. *International Communications in Heat and Mass Transfer*, **2017**, 81, 131-140	5.8	11
11	Injection moulding of plastic parts with laser textured surfaces with optical applications. *Optical Materials*, **2018**, 79, 372-380	3.3	6
10	Replication of nanoscale surface gratings via injection molding. *Micro and Nano Engineering*, **2019**, 3, 37-43	3.4	5
9	A methodology for damping measurement of engineering materials: application to a structure under bending and torsion loading. *JVC/Journal of Vibration and Control*, **2016**, 22, 2471-2481	2	5
8	Engineered arterial models to correlate blood flow to tissue biological response. *Annals of the New York Academy of Sciences*, **2012**, 1254, 51-6	6.5	5

7	3D Simulation of Nanostructures Replication via Injection Molding. *International Polymer Processing* , **2017**, 32, 483-488	1	2
6	Thermal Comparison of Conventional and Conformal Cooling Channel Designs for a Non-Constant Thickness Screw Cap. *Journal of the Korean Society for Precision Engineering*, **2018**, 35, 95-101	0.3	2
5	Time-Dependent Mechanical Properties in Polyetherimide 3D-Printed Parts Are Dictated by Isotropic Performance Being Accurately Predicted by the Generalized Time Hardening Model. *Polymers*, **2020**, 12,	4.5	1
4	Topology optimization through stiffness/weight ratio analysis for a three-point bending test of additive manufactured parts. *IOP Conference Series: Materials Science and Engineering*, **2019**, 700, 012012	0.4	1
3	Arterial pulse attenuation prediction using the decaying rate of a pressure wave in a viscoelastic material model. *Biomechanics and Modeling in Mechanobiology*, **2018**, 17, 589-603	3.8	1
2	Glass Gob Modeling and Experimental Validation Using a Drop Test. *MATEC Web of Conferences*, **2018**, 167, 02009	0.3	1
1	Numerical and experimental study of blow and blow for perfume bottles to predict glass thickness and blank mold influence. *International Journal of Applied Glass Science*, **2019**, 10, 569-583	1.8	0