

Joamin Gonzalez-Gutierrez

List of Publications by Year in descending order

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49
papers

2,232
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331259

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50
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50
docs citations

50
times ranked

1658
citing authors

#	ARTICLE	IF	CITATIONS
1	Indirect Additive Manufacturing Techniques for Metal Parts: Binder-Based Additive Manufacturing Techniques. , 2022, , 319-329.		2
2	Metal fused filament fabrication of the nickel-base superalloy IN 718. Journal of Materials Science, 2022, 57, 9541-9555.	1.7	17
3	Hybrid Printing Method of Polymer and Continuous Fiber-Reinforced Thermoplastic Composites (CFRTPCs) for Pipes through Double-Nozzle Five-Axis Printer. Polymers, 2022, 14, 819.	2.0	5
4	Material extrusion additively manufactured alumina monolithic structures to improve the efficiency of plasma-catalytic oxidation of toluene. Additive Manufacturing, 2021, 37, 101700.	1.7	9
5	Powder content in powder extrusion moulding of tool steel: Dimensional stability, shrinkage and hardness. Materials Letters, 2021, 283, 128909.	1.3	10
6	Functionally graded additive manufacturing. , 2021, , 35-54.		5
7	Resins for Frontal Photopolymerization: Combining Depth-Cure and Tunable Mechanical Properties. Materials, 2021, 14, 743.	1.3	9
8	Bending Properties of Lightweight Copper Specimens with Different Infill Patterns Produced by Material Extrusion Additive Manufacturing, Solvent Debinding and Sintering. Applied Sciences (Switzerland), 2021, 11, 7262.	1.3	18
9	Fused Filament Fabrication-Based Additive Manufacturing of Commercially Pure Titanium. Advanced Engineering Materials, 2021, 23, 2100380.	1.6	13
10	Effect of metal particle size and powder volume fraction on the filling performance of powder injection moulded parts with a microtextured surface. Precision Engineering, 2021, 72, 604-612.	1.8	12
11	Material extrusion-based additive manufacturing of polypropylene: A review on how to improve dimensional inaccuracy and warpage. Journal of Applied Polymer Science, 2020, 137, 48545.	1.3	156
12	Rheological Behaviour of Highly Filled Materials for Injection Moulding and Additive Manufacturing: Effect of Particle Material and Loading. Applied Sciences (Switzerland), 2020, 10, 7993.	1.3	38
13	Processing Conditions of a Medical Grade Poly(Methyl Methacrylate) with the Arburg Plastic Freeforming Additive Manufacturing Process. Polymers, 2020, 12, 2677.	2.0	16
14	An Overview of Material Extrusion Troubleshooting. Applied Sciences (Switzerland), 2020, 10, 4776.	1.3	42
15	Influence of the Infill Orientation on the Properties of Zirconia Parts Produced by Fused Filament Fabrication. Materials, 2020, 13, 3158.	1.3	43
16	Research and Implementation of Axial 3D Printing Method for PLA Pipes. Applied Sciences (Switzerland), 2020, 10, 4680.	1.3	9
17	Modification of Interfacial Interactions in Ceramic-Polymer Nanocomposites by Grafting: Morphology and Properties for Powder Injection Molding and Additive Manufacturing. Applied Sciences (Switzerland), 2020, 10, 1471.	1.3	10
18	Optimization of the 3D Printing Parameters for Tensile Properties of Specimens Produced by Fused Filament Fabrication of 17-4PH Stainless Steel. Materials, 2020, 13, 774.	1.3	92

#	ARTICLE	IF	CITATIONS
19	Mechanical Recyclability of Polypropylene Composites Produced by Material Extrusion-Based Additive Manufacturing. <i>Polymers</i> , 2019, 11, 1318.	2.0	48
20	Fused filament fabrication, debinding and sintering as a low cost additive manufacturing method of 316L stainless steel. <i>Additive Manufacturing</i> , 2019, 30, 100861.	1.7	77
21	Additive manufacturing of zirconia parts by fused filament fabrication and solvent debinding: Selection of binder formulation. <i>Additive Manufacturing</i> , 2019, 26, 117-128.	1.7	49
22	Debinding behaviour of feedstock for material extrusion additive manufacturing of zirconia. <i>Powder Metallurgy</i> , 2019, 62, 196-204.	0.9	28
23	Fabrication and properties of extrusion-based 3D-printed hardmetal and cermet components. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 82, 141-149.	1.7	116
24	Tensile properties of sintered 17-4PH stainless steel fabricated by material extrusion additive manufacturing. <i>Materials Letters</i> , 2019, 248, 165-168.	1.3	81
25	Optimization of material properties for highly-filled thermoplastic polymers used in fused filament fabrication of ceramics. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	6
26	Effect of the printing bed temperature on the adhesion of parts produced by fused filament fabrication. <i>Plastics, Rubber and Composites</i> , 2018, 47, 17-24.	0.9	184
27	Rheology and Mechanical Properties of Fats. , 2018, , 119-168.		11
28	Rheology of Highly Filled Polymers. , 2018, , .		4
29	Additive Manufacturing of Metallic and Ceramic Components by the Material Extrusion of Highly-Filled Polymers: A Review and Future Perspectives. <i>Materials</i> , 2018, 11, 840.	1.3	395
30	Optimisation of the Adhesion of Polypropylene-Based Materials during Extrusion-Based Additive Manufacturing. <i>Polymers</i> , 2018, 10, 490.	2.0	70
31	Rheology of PIM feedstocks. <i>Metal Powder Report</i> , 2017, 72, 39-44.	0.3	11
32	New Methodology for Steady-State Friction Measurements of Granular Materials Under Pressure. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 105-113.	0.3	0
33	Effect of particle size on the properties of highly-filled polymers for fused filament fabrication. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	30
34	Models to Predict the Viscosity of Metal Injection Molding Feedstock Materials as Function of Their Formulation. <i>Metals</i> , 2016, 6, 129.	1.0	31
35	Atomistic Modelling of Confined Polypropylene Chains between Ferric Oxide Substrates at Melt Temperature. <i>Polymers</i> , 2016, 8, 361.	2.0	19
36	Apparatus for measuring friction inside granular materials â€” Granular friction analyzer. <i>Powder Technology</i> , 2016, 288, 255-265.	2.1	15

#	ARTICLE	IF	CITATIONS
37	Mechanical Properties of Extensively Recycled High Density Polyethylene. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 203-208.	0.3	2
38	Selection of appropriate polyoxymethylene based binder for feedstock material used in powder injection moulding. Journal of Physics: Conference Series, 2015, 602, 012001.	0.3	5
39	Processability and mechanical properties of extensively recycled high density polyethylene. Polymer Degradation and Stability, 2015, 114, 133-145.	2.7	119
40	Viscosity and creep compliance of polyoxymethylene copolymers of various average molecular weights. Polimery, 2015, 61, 620-627.	0.4	4
41	Shear creep compliance of polyoxymethylene copolymers with different molecular weights. , 2014, , .		0
42	Strain Dependence of the Uniaxial Compression Response of Vegetable Shortening. JAOCS, Journal of the American Oil Chemists' Society, 2013, 90, 1319-1326.	0.8	8
43	Time-Dependent Properties of Multimodal Polyoxymethylene Based Binder for Powder Injection Molding. Journal of Solid Mechanics and Materials Engineering, 2012, 6, 419-430.	0.5	4
44	The effect of extensive mechanical recycling on the properties of low density polyethylene. Polymer Degradation and Stability, 2012, 97, 2262-2272.	2.7	114
45	Effect of processing on the viscoelastic, tensile and optical properties of albumen/starch-based bioplastics. Carbohydrate Polymers, 2011, 84, 308-315.	5.1	56
46	Structure-property relationships in polyamide 12/halloysite nanotube nanocomposites. Polymer Degradation and Stability, 2011, 96, 226-235.	2.7	129
47	OS16-2-1 Time-Dependent Properties of Bimodal Polyoxymethylene-based binder for Powder Injection Molding. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS16-2-1-.	0.0	0
48	Development of highly-transparent protein/starch-based bioplastics. Bioresource Technology, 2010, 101, 2007-2013.	4.8	107
49	The effects of washing and formaldehyde sterilization on the mechanical performance of poly(methyl Tj ETQq1 1 0.784314 rgBT /Overl jetting. Advanced Engineering Materials, 0, , .	1.6	0