Santiago Ferrandiz

List of Publications by Year
in descending order

40 papers	1,038 citations	759055 12 h-index	434063 31 g-index
40 all docs	40 docs citations	40 times ranked	1288 citing authors

#	Article	IF	Citations
1	Effect of Infill Parameters on Tensile Mechanical Behavior in Desktop 3D Printing. 3D Printing and Additive Manufacturing, 2016, 3, 183-192.	1.4	345
2	Characterization of PLA-limonene blends for food packaging applications. Polymer Testing, 2013, 32, 760-768.	2.3	253
3	The influence of polyethylene in the mechanical recycling of polyethylene terephtalate. Journal of Materials Processing Technology, 2008, 195, 110-116.	3.1	73
4	Manufacturing and characterization of 3D printer filament using tailoring materials. Procedia Manufacturing, 2017, 13, 888-894.	1.9	33
5	Development of Sustainable and Cost-Competitive Injection-Molded Pieces of Partially Bio-Based Polyethylene Terephthalate through the Valorization of Cotton Textile Waste. International Journal of Molecular Sciences, 2019, 20, 1378.	1.8	33
6	New Materials for 3D-Printing Based on Polycaprolactone with Gum Rosin and Beeswax as Additives. Polymers, 2020, 12, 334.	2.0	33
7	Mechanical Recycling of Partially Bio-Based and Recycled Polyethylene Terephthalate Blends by Reactive Extrusion with Poly(styrene-co-glycidyl methacrylate). Polymers, 2020, 12, 174.	2.0	25
8	Microstructure, Mechanical, and Thermogravimetric Characterization of Cellulosic By-Products Obtained from Biomass Seeds. International Journal of Food Properties, 2015, 18, 1211-1222.	1.3	24
9	Study of thermal and rheological properties of PLA loaded with carbon and halloysite nanotubes for additive manufacturing. Rapid Prototyping Journal, 2019, 25, 738-743.	1.6	19
10	PE-g-MA, PP-g-MA and SEBS-g-MA compatibilizers used in material blends. Procedia Manufacturing, 2017, 13, 321-326.	1.9	16
11	Radiative Darcy-Forchheimer Micropler BÃ¶dewadt flow of CNTs with viscous dissipation effect. Journal of Petroleum Science and Engineering, 2022, 217, 110857.	2.1	15
12	Effects of fibre orientation and content on the mechanical, dynamic mechanical and thermal expansion properties of multi-layered glass/carbon fibre-reinforced polymer composites. Journal of Composite Materials, 2015, 49, 1211-1221.	1.2	13
13	Study of the Influence of the Almond Shell Variety on the Mechanical Properties of Starch-Based Polymer Biocomposites. Polymers, 2020, 12, 2049.	2.0	13
14	EFFECT OF INFILL PARAMETERS ON MECHANICAL PROPERTIES IN ADDITIVE MANUFACTURING. Dyna (Spain), 2020, 95, 412-417.	0.1	13
15	Entropy Optimization on Axisymmetric Darcyâ€“Forchheimer Powellâ€“Eyring Nanofluid over a Horizontally Stretching Cylinder with Viscous Dissipation Effect. Coatings, 2022, 12, 749.	1.2	12
16	Effect of Maleinized Linseed Oil (MLO) on thermal and rheolological properties of PLA/MWCNT and PLA/HNT nanocomposites for additive manufacturing. Rapid Prototyping Journal, 2020, 26, 1027-1033.	1.6	10
17	PIRÃ“LISIS DE RESIDUOS DE BIOPLÃSTICOS: PRODUCTOS OBTENIDOS DEL ÃCIDO POLILÃCTICO (PLA). Dyna (Spain), 2012, 87, 395-399.	0.1	9
18	Failure analysis of automotive battery parts. Engineering Failure Analysis, 2009, 16, 2217-2223.	1.8	7

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19	Process behavior of compatible polymer blends. Journal of Applied Polymer Science, 2012, 124, 2485-2493.	1.3	7
20	EFFECT OF D-LIMONENE ON THE STABILIZATION OF POLY (LACTIC ACID). Acta Horticulturae, 2015, , 719-725.	0.1	7
21	Study of soluble supports generation in 3d printed part. Procedia Manufacturing, 2017, 13, 833-839.	1.9	7
22	Recyclability Analysis of Starch Thermoplastic/Almond Shell Biocomposite. Polymers, 2021, 13, 1159.	2.0	7
23	Materials for Respiratory Masks in the Context of COVID 19 Pandemic. Materiale Plastice, 2021, 57, 236-247.	0.4	7
24	Effects of Steam Heat and Dry Heat Sterilization Processes on 3D Printed Commercial Polymers Printed by Fused Deposition Modeling. Polymers, 2022, 14, 855.	2.0	7
25	Mechanical, Dynamic-Mechanical, Thermal and Decomposition Behavior of 3D-Printed PLA Reinforced with CaCO3 Fillers from Natural Resources. Polymers, 2022, 14, 2646.	2.0	7
26	Aspects of Industrial Design and Their Implications for Society. Case Studies on the Influence of Packaging Design and Placement at the Point of Sale. Applied Sciences (Switzerland), 2021, 11, 517.	1.3	6
27	Influence of Almond Shell Content and Particle Size on Mechanical Properties of Starch-Based Biocomposites. Waste and Biomass Valorization, 2021, 12, 5823-5836.	1.8	6
28	Nanoparticle/biopolymer-based coatings for functionalization of textiles: recent developments (a) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	6
29	Validation of the Use of SEBS Blends as a Substitute for Liquid Silicone Rubber in Injection Processes. Materials and Manufacturing Processes, 2013, 28, 1215-1221.	2.7	5
30	Dynamicâ€“Mechanical and Decomposition Properties of Flax/Basalt Hybrid Laminates Based on an Epoxidized Linseed Oil Polymer. Polymers, 2021, 13, 479.	2.0	5
31	Mechanical characterization of composite materials based on pine needle residues processed by thermocompression. Procedia Manufacturing, 2017, 13, 315-320.	1.9	4
32	Failure analysis of a plastic modular belt in-service. Engineering Failure Analysis, 2018, 93, 13-25.	1.8	4
33	Thermal degradation and stability of wood particle composites deployed as decorative components. MATEC Web of Conferences, 2018, 184, 01016.	0.1	2
34	Mechanical Design of a Knee Prosthesis for Transfemoral Amputation. , 2020, , .		2
35	Analysis weld seam weak in blow molding large parts made of commodity plastics. Engineering Failure Analysis, 2009, 16, 856-862.	1.8	1
36	ReconstrucciÃ³n Tridimensional de Superficies en el Cuerpo Humano. Informacion Tecnologica (discontinued), 2013, 24, 31-40.	0.1	1

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37	CorrelaciÃ³n entre las propiedades macro, micro y nanomecÃ¡nicas en polÃmeros termoplÃ¡sticos biodegradables. Modelling in Science Education and Learning, 2016, 9, 25.	0.1	1
38	Rheological Characterization and Mathematical Modeling of a SEBS Blend for Industrial Applications where Nowadays Liquid Silicone Rubber is Used. Key Engineering Materials, 0, 502, 109-114.	0.4	0
39	Study, Mechanical Characterization and Mathematical Modeling of Compatible SEBS Blends for Industrial Applications in Orthopedics and Childcare. Polymer-Plastics Technology and Engineering, 2013, 52, 862-868.	1.9	0
40	Cambios en la estructura cuticular Ornithodoros erraticus hembra durante el proceso de alimentaciÃ³n. Gayana, 2013, 77, 43-52.	0.0	0