

# Ramón Jerez-Mesa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4829801/publications.pdf>

Version: 2024-02-01

33  
papers

882  
citations

471509

17  
h-index

477307

29  
g-index

36  
all docs

36  
docs citations

36  
times ranked

722  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the Influence of the Manufacturing Parameters on Tensile Properties of Thermoplastic Elastomers. <i>Polymers</i> , 2022, 14, 576.	4.5	8
2	Selection of Printing Parameters of a Thermoplastic Elastomer Processed through Material Extrusion. , 2022, , 152-164.		0
3	Wear resistance enhancement of AISI 1045 steel by vibration assisted ball burnishing process. <i>Procedia CIRP</i> , 2022, 108, 287-292.	1.9	4
4	Viscoelastic Characterization of a Thermoplastic Elastomer Processed through Material Extrusion. <i>Polymers</i> , 2022, 14, 2914.	4.5	0
5	Comparative study of the flexural properties of ABS, PLA and a PLA-wood composite manufactured through fused filament fabrication. <i>Rapid Prototyping Journal</i> , 2021, 27, 81-92.	3.2	19
6	Friction stir welding of AA2024-T3: development of numerical simulation considering thermal history and heat generation. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 2481-2500.	3.0	8
7	Vibration-Assisted Ball Burnishing. <i>Encyclopedia</i> , 2021, 1, 460-471.	4.5	3
8	Superficial Effects of Ball Burnishing on TRIP Steel AISI 301LN Sheets. <i>Metals</i> , 2021, 11, 82.	2.3	16
9	Ultrasonic Vibration-Assisted Ball Burnishing Tool for a Lathe Characterized by Acoustic Emission and Vibratory Measurements. <i>Materials</i> , 2021, 14, 5746.	2.9	4
10	Deformation kinetics of a TRIP steel determined by in situ high-energy synchrotron X-ray diffraction. <i>Materialia</i> , 2021, 20, 101251.	2.7	12
11	Experimental analysis of manufacturing parameters' effect on the flexural properties of wood-PLA composite parts built through FFF. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 3985-3998.	3.0	27
12	Enhancing Surface Topology of Udimet®720 Superalloy through Ultrasonic Vibration-Assisted Ball Burnishing. <i>Metals</i> , 2020, 10, 915.	2.3	11
13	Mechanical Strengthening in S235JR Steel Sheets through Vibration-Assisted Ball Burnishing. <i>Metals</i> , 2020, 10, 1010.	2.3	8
14	Finite Element Analysis of Ball Burnishing on Ball-End Milled Surfaces Considering Their Original Topology and Residual Stress. <i>Metals</i> , 2020, 10, 638.	2.3	20
15	Study of the manufacturing process effects of fused filament fabrication and injection molding on tensile properties of composite PLA-wood parts. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 1725-1735.	3.0	39
16	Fatigue behavior of PLA-wood composite manufactured by fused filament fabrication. <i>Journal of Materials Research and Technology</i> , 2020, 9, 8507-8516.	5.8	52
17	Monitoring of Processing Conditions of an Ultrasonic Vibration-Assisted Ball-Burnishing Process. <i>Sensors</i> , 2020, 20, 2562.	3.8	12
18	Hardening effect and fatigue behavior enhancement through ball burnishing on AISI 1038. <i>Journal of Materials Research and Technology</i> , 2019, 8, 5639-5646.	5.8	37

#	ARTICLE	IF	CITATIONS
19	Mechanical Properties of 3D-Printing Polylactic Acid Parts subjected to Bending Stress and Fatigue Testing. <i>Materials</i> , 2019, 12, 3859.	2.9	49
20	Comprehensive analysis of surface integrity modification of ball-end milled Ti-6Al-4V surfaces through vibration-assisted ball burnishing. <i>Journal of Materials Processing Technology</i> , 2019, 267, 238-240.	6.3	25
21	Development, characterization and test of an ultrasonic vibration-assisted ball burnishing tool. <i>Journal of Materials Processing Technology</i> , 2018, 257, 203-212.	6.3	36
22	A comparative study of the thermal behavior of three different 3D printer liquefiers. <i>Mechatronics</i> , 2018, 56, 297-305.	3.3	22
23	Fatigue performance of fused filament fabrication PLA specimens. <i>Materials and Design</i> , 2018, 140, 278-285.	7.0	177
24	Fatigue Performance of ABS Specimens Obtained by Fused Filament Fabrication. <i>Materials</i> , 2018, 11, 2521.	2.9	53
25	Topological surface integrity modification of AISI 1038 alloy after vibration-assisted ball burnishing. <i>Surface and Coatings Technology</i> , 2018, 349, 364-377.	4.8	34
26	Influence of building orientation on the flexural strength of laminated object manufacturing specimens. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 133-139.	1.5	26
27	Ball-burnishing effect on deep residual stress on AISI 1038 and AA2017-T4. <i>Materials and Manufacturing Processes</i> , 2017, 32, 1279-1289.	4.7	31
28	Surface roughness assessment after different strategy patterns of ultrasonic ball burnishing. <i>Procedia Manufacturing</i> , 2017, 13, 710-717.	1.9	7
29	Fatigue lifespan study of PLA parts obtained by additive manufacturing. <i>Procedia Manufacturing</i> , 2017, 13, 872-879.	1.9	56
30	Finite element analysis of the thermal behavior of a RepRap 3D printer liquefier. <i>Mechatronics</i> , 2016, 36, 119-126.	3.3	38
31	Experimental study of lateral pass width in conventional and vibrations-assisted ball burnishing. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 363-371.	3.0	19
32	Experimental Characterization of the Influence of Lateral Pass Width on Results of a Ball Burnishing Operation. <i>Procedia Engineering</i> , 2015, 132, 686-692.	1.2	4
33	Characterization of Cutting Parameters in the Minimum Quantity Lubricant (MQL) Machining Process of a Gearbox. <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i> , 2015, 5, 49-60.	0.4	2