

Ines Ferrer

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

731
citations

586496

16
h-index

591227

27
g-index

40
all docs

40
docs citations

40
times ranked

736
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Preliminary study on the use of 3D printed biodegradable polymeric sheet for the manufacturing of medical prostheses by SPIF. <i>Procedia CIRP</i> , 2022, 110, 76-81. | 1.0 | 0 |
| 2 | Manufacturing PLA/PCL Blends by Ultrasonic Molding Technology. <i>Polymers</i> , 2021, 13, 2412. | 2.0 | 8 |
| 3 | Experimental and numerical analysis of innovative processes for producing a resorbable cheekbone prosthesis. <i>Journal of Manufacturing Processes</i> , 2021, 70, 1-14. | 2.8 | 12 |
| 4 | On the manufacturing of highly-customized near net-shape medical implants using magnesium alloy sheet. <i>Procedia Manufacturing</i> , 2020, 50, 11-16. | 1.9 | 1 |
| 5 | Manufacturing of a hemispherical component combining incremental forming and superplastic forming. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 31, 178-188. | 2.3 | 3 |
| 6 | Ultrasonic Molding Technology: Recent Advances and Potential Applications in the Medical Industry. <i>Polymers</i> , 2019, 11, 667. | 2.0 | 27 |
| 7 | The effect of weld line on tensile strength of polyphenylsulfone (PPSU) in ultrasonic micro-moulding technology. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 2391-2400. | 1.5 | 6 |
| 8 | Early design of a French Horn™s support for younger players (students from 7 to 12 years). <i>Procedia Manufacturing</i> , 2019, 41, 1141-1148. | 1.9 | 0 |
| 9 | Effect of the main process parameters on the mechanical strength of polyphenylsulfone (PPSU) in ultrasonic micro-moulding process. <i>Ultrasonics Sonochemistry</i> , 2018, 46, 46-58. | 3.8 | 20 |
| 10 | Customized cranial implant manufactured by incremental sheet forming using a biocompatible polymer. <i>Rapid Prototyping Journal</i> , 2018, 24, 120-129. | 1.6 | 27 |
| 11 | Characterizing Ultrasonic Micro-Molding Process of Polyetheretherketone (PEEK). <i>International Polymer Processing</i> , 2018, 33, 442-452. | 0.3 | 16 |
| 12 | Process Parameter Effects on Biocompatible Thermoplastic Sheets Produced by Incremental Forming. <i>Materials</i> , 2018, 11, 1377. | 1.3 | 15 |
| 13 | Replicability of Ultrasonic Molding for Processing Thin-Wall Polystyrene Plates with a Microchannel. <i>Materials</i> , 2018, 11, 1320. | 1.3 | 15 |
| 14 | Feasibility of manufacturing low aspect ratio parts of PLA by ultrasonic moulding technology. <i>Procedia Manufacturing</i> , 2017, 13, 251-258. | 1.9 | 8 |
| 15 | Micro injection molding processing of UHMWPE using ultrasonic vibration energy. <i>Materials and Design</i> , 2017, 132, 1-12. | 3.3 | 54 |
| 16 | Breast Cancer Stem Cell Culture and Enrichment Using Poly(Îµ-Caprolactone) Scaffolds. <i>Molecules</i> , 2016, 21, 537. | 1.7 | 37 |
| 17 | New method for medical devices design and manufacture: Case studyâ€”scapholunate implant. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401667254. | 0.8 | 0 |
| 18 | Influence of processing conditions on manufacturing polyamide parts by ultrasonic molding. <i>Materials and Design</i> , 2016, 98, 20-30. | 3.3 | 41 |

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|----|--|-----|-----------|
| 19 | Assessing a stepped sonotrode in ultrasonic molding technology. Journal of Materials Processing Technology, 2016, 229, 687-696. | 3.1 | 27 |
| 20 | Study of the Ultrasonic Molding Process Parameters for Manufacturing Polypropylene Parts. Procedia Engineering, 2015, 132, 7-14. | 1.2 | 18 |
| 21 | On the Rule of Mixtures for Predicting Stress-Softening and Residual Strain Effects in Biological Tissues and Biocompatible Materials. Materials, 2014, 7, 441-456. | 1.3 | 17 |
| 22 | A Transformation Method for Solving Conservative Nonlinear Two-Degree-of-Freedom Systems. Mathematical Problems in Engineering, 2014, 2014, 1-14. | 0.6 | 3 |
| 23 | Optimization of process parameters for pulsed laser milling of micro-channels on AISI H13 tool steel. Robotics and Computer-Integrated Manufacturing, 2013, 29, 209-218. | 6.1 | 91 |
| 24 | The Effect of Process Parameters on the Energy Consumption in Single Point Incremental Forming. Procedia Engineering, 2013, 63, 346-353. | 1.2 | 14 |
| 25 | Influence of the Process Parameters to Manufacture Micro-cavities by Electro Discharge Machining (EDM). Procedia Engineering, 2013, 63, 499-505. | 1.2 | 9 |
| 26 | Designing and Prototyping of New Device for Scapholunate Ligament Repair. Procedia CIRP, 2013, 5, 270-275. | 1.0 | 4 |
| 27 | Equivalent Representation Form of Oscillators with Elastic and Damping Nonlinear Terms. Mathematical Problems in Engineering, 2013, 2013, 1-11. | 0.6 | 1 |
| 28 | Experimental Analysis of Laser Micro-Machining Process Parameters. Materials Science Forum, 2012, 713, 67-72. | 0.3 | 0 |
| 29 | Studying the relation between corrosion and surface roughness. , 2012, , . | | 2 |
| 30 | An experimental analysis of process parameters to manufacture micro-channels in AISI H13 tempered steel by laser micro-milling. , 2012, , . | | 1 |
| 31 | A model to build manufacturing process chains during embodiment design phases. International Journal of Advanced Manufacturing Technology, 2012, 59, 421-432. | 1.5 | 9 |
| 32 | Methodology for capturing and formalizing DFM Knowledge. Robotics and Computer-Integrated Manufacturing, 2010, 26, 420-429. | 6.1 | 26 |
| 33 | An approach to integrate manufacturing process information in part design phases. Journal of Materials Processing Technology, 2009, 209, 2085-2091. | 3.1 | 29 |
| 34 | Sound mapping for identification of stability lobe diagrams in milling processes. International Journal of Machine Tools and Manufacture, 2009, 49, 203-211. | 6.2 | 51 |
| 35 | A model for integrating process planning and production planning and control in machining processes. Robotics and Computer-Integrated Manufacturing, 2008, 24, 532-544. | 6.1 | 34 |
| 36 | Springback determination of sheet metals in an air bending process based on an experimental work. Journal of Materials Processing Technology, 2007, 191, 174-177. | 3.1 | 77 |

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|----|--|-----|-----------|
| 37 | Activity model and computer aided system for defining sheet metal process planning. Journal of Materials Processing Technology, 2006, 173, 213-222. | 3.1 | 25 |
| 38 | Experimental Introduction to Forced and Self-Excited Vibrations in Milling Processes and Identification of Stability Lobes Diagrams. Materials Science Forum, 0, 692, 24-32. | 0.3 | 1 |