

Pasquale Guglielmi

List of Publications by Year in descending order

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papers

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all docs

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docs citations

33
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	A Structured Approach for the Design and Manufacturing of Titanium Cranial Prostheses via Sheet Metal Forming. <i>Metals</i> , 2022, 12, 293.	2.3	6
2	Deposition temperature effect on sputtered hydroxyapatite coatings prepared on AZ31B alloy substrate. <i>Ceramics International</i> , 2022, 48, 10486-10497.	4.8	12
3	The influence of the manufacturing process conditions on the in-vitro bio-performance of Titanium alloys. <i>Procedia CIRP</i> , 2022, 110, 111-116.	1.9	0
4	A fast methodology for the accurate characterization and simulation of laser heat treated blanks. <i>International Journal of Mechanical Sciences</i> , 2021, 192, 106134.	6.7	10
5	Experimental and numerical analysis of innovative processes for producing a resorbable cheekbone prosthesis. <i>Journal of Manufacturing Processes</i> , 2021, 70, 1-14.	5.9	12
6	A bulge-test based viscoplastic model for superplastic deformation behaviour of a magnesium alloy. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021, 35, 778-786.	4.5	1
7	A new experimental approach for modelling the constitutive behaviour of sheet metals at elevated temperature through interrupted bulge tests. <i>International Journal of Mechanical Sciences</i> , 2020, 184, 105839.	6.7	6
8	Manufacturing of a hemispherical component combining incremental forming and superplastic forming. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 31, 178-188.	4.5	3
9	Study of Tailor Heat Treated Blanks Using the Fourier-series-based VFM. <i>Procedia Manufacturing</i> , 2020, 47, 904-909.	1.9	5
10	Prediction of the residual state of stress in a superduplex stainless steel produced by sand casting (using a coupled thermo-mechanical approach). <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 3011-3022.	3.0	4
11	Numerical/experimental investigation of the production of thin magnesium alloy components via superplastic forming. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
12	Deformation Capacity of a Ternary Magnesium Alloy in a Gas-Forming Process at Elevated Temperatures. <i>Jom</i> , 2019, 71, 2087-2096.	1.9	0
13	Investigation on the thickness distribution of highly customized titanium biomedical implants manufactured by superplastic forming. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2018, 20, 29-35.	4.5	20
14	Off-Set and Focus Effects on Grade 5 Titanium to 6061 Aluminum Alloy Fiber Laser Weld. <i>Materials</i> , 2018, 11, 2337.	2.9	13
15	Experimental investigation of the mechanical performances of titanium cranial prostheses manufactured by super plastic forming and single-point incremental forming. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 98, 1489-1503.	3.0	31
16	Deformation behaviour of a new magnesium ternary alloy. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
17	Assessment of the mechanical performance of titanium cranial prostheses manufactured by super plastic forming and single point incremental forming. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
18	Mechanical and microstructure analysis of AA6061 and Ti6Al4V fiber laser butt weld. <i>Optik</i> , 2017, 148, 151-156.	2.9	22

#	ARTICLE	IF	CITATIONS
19	Warm Forming of an AA5754 Component for Railway Vehicle Applications. <i>Procedia Engineering</i> , 2017, 183, 351-356.	1.2	6
20	Laser offset welding of AZ31B magnesium alloy to 316 stainless steel. <i>Journal of Materials Processing Technology</i> , 2017, 242, 49-59.	6.3	75
21	Modelling the superplastic behaviour of the Ti6Al4V-ELI by means of a numerical/experimental approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 90, 1-10.	3.0	49
22	Stamping an AA5754 Train Window Panel with High Dent Resistance Using Locally Annealed Blanks. <i>Journal of Physics: Conference Series</i> , 2017, 896, 012095.	0.4	3
23	Combining the pressure effect with local heat treatment for improving the sheet metal forming process. <i>Journal of Physics: Conference Series</i> , 2016, 734, 032087.	0.4	0
24	Biomedical Titanium alloy prostheses manufacturing by means of Superplastic and Incremental Forming processes. <i>MATEC Web of Conferences</i> , 2016, 80, 15007.	0.2	9
25	Investigation about the Oil Pressure Rate in the Warm Hydroforming of an Al-Mg Alloy Component. <i>Key Engineering Materials</i> , 2016, 716, 963-972.	0.4	0
26	Evaluation of the optimal working conditions for the warm sheet HydroForming taking into account the yielding condition. <i>Materials and Design</i> , 2016, 91, 411-423.	7.0	16
27	Correlating shrinkage microporosity with the mechanical properties of sand-cast superduplex stainless steel using a numerical/experimental approach. <i>Materials and Design</i> , 2016, 93, 168-179.	7.0	3
28	Investigation on the Strain Behaviour of a Precipitation-Hardenable Aluminium Alloy through a Temperature Gradient Based Heat Treatment. <i>Key Engineering Materials</i> , 2015, 639, 361-368.	0.4	3
29	Warm HydroForming of the heat treatable aluminium alloy AC170PX. <i>Journal of Manufacturing Processes</i> , 2015, 20, 24-32.	5.9	16
30	Modelling residual stresses in sand-cast superduplex stainless steel. <i>Journal of Materials Processing Technology</i> , 2015, 217, 253-261.	6.3	16
31	Determination of interfacial heat transfer coefficients in a sand mould casting process using an optimised inverse analysis. <i>Applied Thermal Engineering</i> , 2015, 78, 682-694.	6.0	45
32	Numerical/experimental investigations about the warm hydroforming of an aluminum alloy component. , 2013, , .		1
33	Characterization of a Superplastic Titanium Alloy with an Experimental and Numerical Approach Based on Free-Inflation Tests. <i>Materials Science Forum</i> , 0, 838-839, 177-182.	0.3	2