

# Pasquale Guglielmi

## List of Publications by Year in descending order

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33  
papers

393  
citations

840776

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794594

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33  
all docs

33  
docs citations

33  
times ranked

358  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser offset welding of AZ31B magnesium alloy to 316 stainless steel. Journal of Materials Processing Technology, 2017, 242, 49-59.	6.3	75
2	Modelling the superplastic behaviour of the Ti6Al4V-ELI by means of a numerical/experimental approach. International Journal of Advanced Manufacturing Technology, 2017, 90, 1-10.	3.0	49
3	Determination of interfacial heat transfer coefficients in a sand mould casting process using an optimised inverse analysis. Applied Thermal Engineering, 2015, 78, 682-694.	6.0	45
4	Experimental investigation of the mechanical performances of titanium cranial prostheses manufactured by super plastic forming and single-point incremental forming. International Journal of Advanced Manufacturing Technology, 2018, 98, 1489-1503.	3.0	31
5	Mechanical and microstructure analysis of AA6061 and Ti6Al4V fiber laser butt weld. Optik, 2017, 148, 151-156.	2.9	22
6	Investigation on the thickness distribution of highly customized titanium biomedical implants manufactured by superplastic forming. CIRP Journal of Manufacturing Science and Technology, 2018, 20, 29-35.	4.5	20
7	Warm HydroForming of the heat treatable aluminium alloy AC170PX. Journal of Manufacturing Processes, 2015, 20, 24-32.	5.9	16
8	Modelling residual stresses in sand-cast superduplex stainless steel. Journal of Materials Processing Technology, 2015, 217, 253-261.	6.3	16
9	Evaluation of the optimal working conditions for the warm sheet HydroForming taking into account the yielding condition. Materials and Design, 2016, 91, 411-423.	7.0	16
10	Off-Set and Focus Effects on Grade 5 Titanium to 6061 Aluminum Alloy Fiber Laser Weld. Materials, 2018, 11, 2337.	2.9	13
11	Experimental and numerical analysis of innovative processes for producing a resorbable cheekbone prosthesis. Journal of Manufacturing Processes, 2021, 70, 1-14.	5.9	12
12	Deposition temperature effect on sputtered hydroxyapatite coatings prepared on AZ31B alloy substrate. Ceramics International, 2022, 48, 10486-10497.	4.8	12
13	A fast methodology for the accurate characterization and simulation of laser heat treated blanks. International Journal of Mechanical Sciences, 2021, 192, 106134.	6.7	10
14	Biomedical Titanium alloy prostheses manufacturing by means of Superplastic and Incremental Forming processes. MATEC Web of Conferences, 2016, 80, 15007.	0.2	9
15	Warm Forming of an AA5754 Component for Railway Vehicle Applications. Procedia Engineering, 2017, 183, 351-356.	1.2	6
16	A new experimental approach for modelling the constitutive behaviour of sheet metals at elevated temperature through interrupted bulge tests. International Journal of Mechanical Sciences, 2020, 184, 105839.	6.7	6
17	A Structured Approach for the Design and Manufacturing of Titanium Cranial Prostheses via Sheet Metal Forming. Metals, 2022, 12, 293.	2.3	6
18	Study of Tailor Heat Treated Blanks Using the Fourier-series-based VFM. Procedia Manufacturing, 2020, 47, 904-909.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Prediction of the residual state of stress in a superduplex stainless steel produced by sand casting (using a coupled thermo-mechanical approach). International Journal of Advanced Manufacturing Technology, 2020, 107, 3011-3022.	3.0	4
20	Investigation on the Strain Behaviour of a Precipitation-Hardenable Aluminium Alloy through a Temperature Gradient Based Heat Treatment. Key Engineering Materials, 2015, 639, 361-368.	0.4	3
21	Correlating shrinkage microporosity with the mechanical properties of sand-cast superduplex stainless steel using a numerical/experimental approach. Materials and Design, 2016, 93, 168-179.	7.0	3
22	Stamping an AA5754 Train Window Panel with High Dent Resistance Using Locally Annealed Blanks. Journal of Physics: Conference Series, 2017, 896, 012095.	0.4	3
23	Manufacturing of a hemispherical component combining incremental forming and superplastic forming. CIRP Journal of Manufacturing Science and Technology, 2020, 31, 178-188.	4.5	3
24	Characterization of a Superplastic Titanium Alloy with an Experimental and Numerical Approach Based on Free-Inflation Tests. Materials Science Forum, 0, 838-839, 177-182.	0.3	2
25	Deformation behaviour of a new magnesium ternary alloy. AIP Conference Proceedings, 2018, , .	0.4	2
26	Assessment of the mechanical performance of titanium cranial prostheses manufactured by super plastic forming and single point incremental forming. AIP Conference Proceedings, 2018, , .	0.4	2
27	Numerical/experimental investigations about the warm hydroforming of an aluminum alloy component. , 2013, , .		1
28	A bulge-test based viscoplastic model for superplastic deformation behaviour of a magnesium alloy. CIRP Journal of Manufacturing Science and Technology, 2021, 35, 778-786.	4.5	1
29	Combining the pressure effect with local heat treatment for improving the sheet metal forming process. Journal of Physics: Conference Series, 2016, 734, 032087.	0.4	0
30	Investigation about the Oil Pressure Rate in the Warm Hydroforming of an Al-Mg Alloy Component. Key Engineering Materials, 2016, 716, 963-972.	0.4	0
31	Numerical/experimental investigation of the production of thin magnesium alloy components via superplastic forming. AIP Conference Proceedings, 2019, , .	0.4	0
32	Deformation Capacity of a Ternary Magnesium Alloy in a Gas-Forming Process at Elevated Temperatures. Jom, 2019, 71, 2087-2096.	1.9	0
33	The influence of the manufacturing process conditions on the in-vitro bio-performance of Titanium alloys. Procedia CIRP, 2022, 110, 111-116.	1.9	0