

Abel Dias dos Santos

List of Publications by Year in descending order

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papers

532
citations

706676

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29
all docs

29
docs citations

29
times ranked

459
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigations on contact pressure in sheet metal forming of advanced high-strength steels. , 2022, 1, 2-7.		0
2	Micromechanically-motivated phase field approach to ductile fracture. International Journal of Damage Mechanics, 2021, 30, 46-76.	2.4	11
3	Material characterization and damage assessment of an AA5352 aluminium alloy using digital image correlation. Journal of Strain Analysis for Engineering Design, 2020, 55, 3-19.	1.0	12
4	Issues on the Correlation between Experimental and Numerical Results in Sheet Metal Forming Benchmarks. Metals, 2020, 10, 1595.	1.0	1
5	Fracture analysis in directed energy deposition (DED) manufactured 316L stainless steel using a phase-field approach. Finite Elements in Analysis and Design, 2020, 177, 103417.	1.7	30
6	Development of a mini-tensile approach for sheet metal testing using Digital Image Correlation. Procedia Structural Integrity, 2020, 25, 316-323.	0.3	9
7	Assessment of different ductile damage models and experimental validation. International Journal of Material Forming, 2018, 11, 435-444.	0.9	4
8	Forming and springback prediction in press brake air bending combining finite element analysis and neural networks. Journal of Strain Analysis for Engineering Design, 2018, 53, 584-601.	1.0	21
9	Inverse identification of the Swift law parameters using the bulge test. International Journal of Material Forming, 2017, 10, 493-513.	0.9	13
10	Influence of boundary conditions on the prediction of springback and wrinkling in sheet metal forming. International Journal of Mechanical Sciences, 2017, 122, 244-254.	3.6	35
11	Tribology testing to friction determination in sheet metal forming processes. Ciência & Tecnologia Dos Materiais, 2017, 29, e249-e253.	0.5	9
12	Experimental and analytical evaluation of the stress-strain curves of AA5754-T4 and AA6061-T6 by hydraulic bulge test. Ciência & Tecnologia Dos Materiais, 2017, 29, e244-e248.	0.5	6
13	Benchmark 1 - Failure Prediction after Cup Drawing, Reverse Redrawing and Expansion Part A: Benchmark Description. Journal of Physics: Conference Series, 2016, 734, 022001.	0.3	10
14	On the determination of the work hardening curve using the bulge test. International Journal of Mechanical Sciences, 2016, 105, 158-181.	3.6	25
15	A study on the formability of aluminum tailor welded blanks produced by friction stir welding. International Journal of Advanced Manufacturing Technology, 2016, 83, 2129-2141.	1.5	57
16	A comparative study of forming limit diagram prediction of tailor welded blanks. International Journal of Material Forming, 2015, 8, 293-304.	0.9	20
17	Study on the forming of sandwich shells with closed-cell foam cores. International Journal of Material Forming, 2014, 7, 413-424.	0.9	10
18	A study on the influence of different variables for determination of flow stress using hydraulic bulge test. International Journal of Materials Engineering Innovation, 2013, 4, 132.	0.2	3

#	ARTICLE	IF	CITATIONS
19	Sheet metal formability evaluation using continuous damage mechanics. International Journal of Material Forming, 2009, 2, 463-466.	0.9	8
20	Analysis of plastic flow localization under strain paths changes and its coupling with finite element simulation in sheet metal forming. Journal of Materials Processing Technology, 2009, 209, 5097-5109.	3.1	45
21	A study on experimental benchmarks and simulation results in sheet metal forming. Journal of Materials Processing Technology, 2008, 199, 327-336.	3.1	18
22	Study on the usability and robustness of polymer and wood materials for tooling in sheet metal forming. Journal of Materials Processing Technology, 2008, 202, 47-53.	3.1	20
23	Plastic instability in complex strain paths and finite element simulation for localised necking prediction in sheet metal forming technology. International Journal of Materials and Product Technology, 2008, 32, 434.	0.1	0
24	Prediction Of Formability In Sheet Metal Forming Processes Using A Local Damage Model. AIP Conference Proceedings, 2007, , .	0.3	0
25	Finite element prediction of ductile fracture in sheet metal forming processes. Journal of Materials Processing Technology, 2006, 177, 278-281.	3.1	38
26	Tailored welded blanksâ€‘an experimental and numerical study in sheet metal forming on the effect of welding. Computers and Structures, 2004, 82, 1435-1442.	2.4	34
27	Inverse methods in design of industrial forging processes. Journal of Materials Processing Technology, 2002, 128, 266-273.	3.1	26
28	The use of finite element simulation for optimization of metal forming and tool design. Journal of Materials Processing Technology, 2001, 119, 152-157.	3.1	36
29	Contact strategies to deal with different tool descriptions in static explicit FEM for 3-D sheet-metal forming simulation. Journal of Materials Processing Technology, 1995, 50, 277-291.	3.1	31