

Niko Manopulo

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9109564/niko-manopulo-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

217
citations

8
h-index

14
g-index

28
ext. papers

259
ext. citations

2.6
avg, IF

3.49
L-index

#	Paper	IF	Citations
25	A coupled yield criterion for anisotropic hardening with analytical description under associated flow rule: Modeling and validation. <i>International Journal of Plasticity</i> , 2021 , 136, 102882	7.6	14
24	A new algorithm for the fast and stable identification of FAY coefficients and its application as a universal platform for yield surface modeling. <i>International Journal of Solids and Structures</i> , 2020 , 207, 1-10	3.1	1
23	The bending dependency of forming limit diagrams. <i>International Journal of Material Forming</i> , 2019 , 12, 815-825	2	7
22	On the efficiency and accuracy of stress integration algorithms for constitutive models based on non-associated flow rule. <i>International Journal of Material Forming</i> , 2018 , 11, 239-246	2	4
21	A flexible modelling approach for capturing plastic anisotropy and strength differential effects exhibited by commercially pure titanium. <i>International Journal of Solids and Structures</i> , 2018 , 151, 91-98	3.1	2
20	A generalized anisotropic and asymmetric yield criterion with adjustable complexity. <i>Comptes Rendus - Mecanique</i> , 2018 , 346, 779-793	2.1	4
19	A discussion of the associated flow rule based on the FAY model and Nakajima tests. <i>Journal of Physics: Conference Series</i> , 2018 , 1063, 012090	0.3	3
18	On the modelling of plastic anisotropy, asymmetry and directional hardening of commercially pure titanium: A planar Fourier series based approach. <i>International Journal of Plasticity</i> , 2017 , 91, 182-204	7.6	31
17	On the role of Anisotropy and Bauschinger-Effect in Sheet Metal Spinning. <i>Journal of Physics: Conference Series</i> , 2017 , 896, 012042	0.3	
16	Numerical modelling, validation and analysis of multi-pass sheet metal spinning processes. <i>International Journal of Material Forming</i> , 2017 , 10, 641-651	2	11
15	Numerical Tool Path Optimization for Conventional Sheet Metal Spinning Processes. <i>Journal of Physics: Conference Series</i> , 2016 , 734, 032009	0.3	
14	Numerical investigation of the post-necking behavior of aluminum sheets in the presence of geometrical and material inhomogeneities. <i>International Journal of Solids and Structures</i> , 2016 , 102-103, 56-65	3.1	16
13	Effect of through thickness strain distribution on shear fracture hazard and its mitigation by using multilayer aluminum sheets. <i>Journal of Materials Processing Technology</i> , 2016 , 232, 19-33	5.3	22
12	On the modelling of strength differential and anisotropy exhibited by titanium. <i>Journal of Physics: Conference Series</i> , 2016 , 734, 032051	0.3	2
11	A new optimization procedure for the accurate characterization of thermal phase transformation curves based on controlled quenching experiments. <i>MATEC Web of Conferences</i> , 2016 , 80, 10010	0.3	1
10	Significance of the local sheet curvature in the prediction of sheet metal forming limits by necking instabilities and cracks. <i>MATEC Web of Conferences</i> , 2016 , 80, 11003	0.3	2
9	An extended Modified Maximum Force Criterion for the prediction of localized necking under non-proportional loading. <i>International Journal of Plasticity</i> , 2015 , 75, 189-203	7.6	42

8	Numerical Heat Treatment Modelling of Fine Blanked Sheet Metal and Experimental Validation. <i>Key Engineering Materials</i> , 2015 , 651-653, 1531-1536	0.4	
7	Isotropic to distortional hardening transition in metal plasticity. <i>International Journal of Solids and Structures</i> , 2015 , 56-57, 11-19	3.1	26
6	A strain rate dependent anisotropic hardening model and its validation through deep drawing experiments. <i>International Journal of Material Forming</i> , 2014 , 7, 447-457	2	18
5	Prediction of localized necking for nonlinear strain paths using the modified maximum force criterion (MMFC) and the homogeneous anisotropic hardening model (HAH) 2013 ,		1
4	Combination of the strain dependent Yld2000 model with an extended HAH model 2013 ,		1
3	An ALE Based FE Formulation for the 3D Numerical Simulation of Fineblanking Processes 2011 ,		3
2	Failure Prediction in Fine Blanking Process with Stress Limit Model 2010 ,		2
1	An ALE Based FE Formulation for the 3D Numerical Simulation of Fineblanking Processes 2010 ,		3