

Till Clausmeyer

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/308849/till-clausmeyer-publications-by-year.pdf>

Version: 2024-04-27

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.

55
papers

465
citations

12
h-index

20
g-index

58
ext. papers

620
ext. citations

2.1
avg, IF

4.2
L-index

#	Paper	IF	Citations
55	Analytical model of the in-plane torsion test. <i>Acta Mechanica</i> , 2022 , 233, 641	2.1	0
54	ADAPT DA Diversely Applicable Parameter Identification Tool: Overview and full-field application examples. <i>International Journal of Mechanical Sciences</i> , 2022 , 213, 106840	5.5	1
53	Analysis of Path-Dependent Damage and Microstructure Evolution for Numerical Analysis of Sheet-Bulk Metal Forming Processes. <i>Lecture Notes in Production Engineering</i> , 2021 , 378-411	0	
52	Investigation of evolving yield surfaces of dual-phase steels. <i>Journal of Materials Processing Technology</i> , 2021 , 287, 116314	5.3	20
51	Methods for measuring large shear strains in in-plane torsion tests. <i>Journal of Materials Processing Technology</i> , 2021 , 287, 116516	5.3	14
50	Estimation and Prevention of Strain Localization in Shear Tests. <i>Minerals, Metals and Materials Series</i> , 2021 , 691-707	0.3	0
49	Cyclic Loading Tests Based on the In-Plane Torsion Test for Sheet Metal. <i>Minerals, Metals and Materials Series</i> , 2021 , 635-645	0.3	
48	Large strain flow curve identification for sheet metals under complex stress states. <i>Mechanics of Materials</i> , 2021 , 161, 103997	3.3	3
47	Combined Computed Tomography and Numerical Modeling for the Analysis of Bending of Additively Manufactured Cellular Sheets. <i>Minerals, Metals and Materials Series</i> , 2021 , 2099-2113	0.3	
46	Strain hardening under large deformation for AA5182. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 967, 012030	0.4	
45	Characterization of plasticity and fracture of an QP1180 steel sheet. <i>Procedia Manufacturing</i> , 2020 , 50, 529-534	1.5	1
44	Testing of Formed Gear Wheels at Quasi-Static and Elevated Strain Rates. <i>Procedia Manufacturing</i> , 2020 , 47, 623-628	1.5	1
43	Prediction of Ductile Damage in the Process Chain of Caliber Rolling and Forward Rod Extrusion. <i>Procedia Manufacturing</i> , 2020 , 47, 649-655	1.5	3
42	Numerical Investigation of Damage in Single-step, Two-step, and Reverse Deep Drawing of Rotationally Symmetric Cups from DP800 Dual Phase Steel. <i>Procedia Manufacturing</i> , 2020 , 47, 636-642	1.5	4
41	Adiabatic blanking of advanced high-strength steels. <i>CIRP Annals - Manufacturing Technology</i> , 2020 , 69, 269-272	4.9	9
40	Micromechanical Modeling of DP600 steel: From Microstructure to The Sheet Metal Forming Process. <i>Procedia Manufacturing</i> , 2020 , 47, 1540-1547	1.5	1
39	Influence of anisotropic damage evolution on cold forging. <i>Production Engineering</i> , 2020 , 14, 115-121	1.9	

38	Prediction and analysis of damage evolution during caliber rolling and subsequent cold forward extrusion. <i>Production Engineering</i> , 2020 , 14, 33-41	1.9	6
37	On mesh dependencies in finite-element-based damage prediction: application to sheet metal bending. <i>Production Engineering</i> , 2020 , 14, 123-134	1.9	6
36	Effect of plastic strain and ductile damage on elastic modulus of multiphase steel and its impact on springback prediction 2019 ,		2
35	Shifting value stream patterns along the product lifecycle with digital twins. <i>Procedia CIRP</i> , 2019 , 86, 3-11	1.8	21
34	Influence of manufacturing processes on material characterization with the grooved in-plane torsion test. <i>International Journal of Mechanical Sciences</i> , 2018 , 146-147, 544-555	5.5	15
33	Material characterization for plane and curved sheets using the in-plane torsion test [An overview. <i>Journal of Materials Processing Technology</i> , 2018 , 257, 278-287	5.3	14
32	Damage Mechanisms and Mechanical Properties of High-Strength Multiphase Steels. <i>Materials</i> , 2018 , 11,	3.5	31
31	Experimental setup to characterize flow-induced anisotropy of sheet metals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 418, 012085	0.4	3
30	Evaluation of micro-damage by acoustic methods. <i>Procedia Manufacturing</i> , 2018 , 15, 527-534	1.5	2
29	Influence of cutting tool stiffness on edge formability. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 418, 012061	0.4	3
28	Modelling of the blanking process of high-carbon steel using Lemaitre damage model. <i>Comptes Rendus - Mecanique</i> , 2018 , 346, 770-778	2.1	7
27	Experimental analysis of anisotropic damage in dual-phase steel by resonance measurement. <i>International Journal of Damage Mechanics</i> , 2017 , 26, 1147-1169	3	4
26	Modeling of ductile fracture from shear to balanced biaxial tension for sheet metals. <i>International Journal of Solids and Structures</i> , 2017 , 112, 169-184	3.1	114
25	Influence of Different Yield Loci on Failure Prediction with Damage Models. <i>Journal of Physics: Conference Series</i> , 2017 , 896, 012081	0.3	2
24	Failure assessment in sheet metal forming using a phenomenological damage model and fracture criterion: experiments, parameter identification and validation. <i>Procedia Engineering</i> , 2017 , 207, 2066-2071		6
23	Stress state dependency of unloading behavior in high strength steels. <i>Procedia Engineering</i> , 2017 , 207, 179-184		3
22	Material characterization for plane and curved sheets using the in-plane torsion test [An overview. <i>Procedia Engineering</i> , 2017 , 207, 1934-1939		4
21	Microstructural characterization and simulation of damage for geared sheet components. <i>Journal of Physics: Conference Series</i> , 2017 , 896, 012076	0.3	2

20	High temperature and dynamic testing of AHSS for an analytical description of the adiabatic cutting process. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 181, 012026	0.4	5
19	Analysis of Dislocation Structures in Ferritic and Dual Phase Steels Regarding Continuous and Discontinuous Loading Paths. <i>Minerals, Metals and Materials Series</i> , 2017 , 203-210	0.3	
18	Investigations of ductile damage in DP600 and DC04 deep drawing steel sheets during punching. <i>Procedia Structural Integrity</i> , 2016 , 2, 673-680	1	6
17	Numerical investigation of blanking for metal polymer sandwich sheets. <i>MATEC Web of Conferences</i> , 2016 , 80, 16002	0.3	1
16	Damage characterization of high-strength multiphase steels. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 159, 012013	0.4	4
15	Investigations of ductile damage during the process chains of toothed functional components manufactured by sheet-bulk metal forming. <i>Production Engineering</i> , 2016 , 10, 5-15	1.9	10
14	Evaluation of Void Nucleation and Development during Plastic Deformation of Dual-Phase Steel DP600. <i>Steel Research International</i> , 2016 , 87, 1583-1591	1.6	19
13	Analysis of shear cutting of dual phase steel by application of an advanced damage model. <i>Procedia Structural Integrity</i> , 2016 , 2, 1700-1707	1	11
12	Comparison of two models for anisotropic hardening and yield surface evolution in bcc sheet steels. <i>European Journal of Mechanics, A/Solids</i> , 2015 , 54, 120-131	3.7	7
11	Enhancement of Lemaitre Model to Predict Cracks at Low and Negative Triaxialities in Sheet Metal Forming. <i>Key Engineering Materials</i> , 2015 , 639, 427-434	0.4	7
10	Modeling and finite element simulation of loading-path-dependent hardening in sheet metals during forming. <i>International Journal of Plasticity</i> , 2014 , 63, 64-93	7.6	23
9	Macroscopic modeling of material interfaces based on atomistic descriptions. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2014 , 14, 361-362	0.2	1
8	Experimental characterization of microstructure development during loading path changes in bcc sheet steels. <i>Journal of Materials Science</i> , 2013 , 48, 674-689	4.3	13
7	Determination of average dislocation densities in metals by analysis of digitally processed transmission-electron microscopy images. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2013 , 44, 541-546 ^{0.9}		
6	Modeling Induced Flow Anisotropy and Phase Transformations in Air Hardening Steels. <i>Key Engineering Materials</i> , 2012 , 504-506, 443-448	0.4	
5	Phenomenological modeling of anisotropy induced by evolution of the dislocation structure on the macroscopic and microscopic scale. <i>International Journal of Material Forming</i> , 2011 , 4, 141-154	2	17
4	Experimental characterization and modeling of the hardening behavior of the sheet steel LH800. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2515-2526	5.3	32
3	Comparison of two models for anisotropic hardening evolution in metals during complex loading. <i>International Journal of Material Forming</i> , 2009 , 2, 395-398	2	2

2 Formulation and application of models for anisotropic hardening in sheet metals subject to complex loading-path changes. *Proceedings in Applied Mathematics and Mechanics*, **2009**, 9, 329-330 0.2

1 Characterization of Flow Induced Anisotropy in Sheet Metal at Large Strain. *Experimental Mechanics*, 1 2.6 1