

Jinjin Ha

List of Publications by Year in descending order

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26
papers

620
citations

840585

11
h-index

642610

23
g-index

28
all docs

28
docs citations

28
times ranked

298
citing authors

#	ARTICLE	IF	CITATIONS
1	Extension of homogeneous anisotropic hardening model to cross-loading with latent effects. International Journal of Plasticity, 2013, 46, 130-142.	4.1	170
2	Strain hardening response and modeling of EDDQ and DP780 steel sheet under non-linear strain path. Mechanics of Materials, 2013, 64, 11-26.	1.7	83
3	Plastic anisotropy and ductile fracture of bake-hardened AA6013 aluminum sheet. International Journal of Solids and Structures, 2018, 155, 123-139.	1.3	68
4	Investigation of plastic strain rate under strain path changes in dual-phase steel using microstructure-based modeling. International Journal of Plasticity, 2017, 93, 89-111.	4.1	37
5	Ductile fracture of an aluminum sheet under proportional loading. Journal of the Mechanics and Physics of Solids, 2019, 132, 103685.	2.3	34
6	On the expansion of a circular hole in an orthotropic elastoplastic thin sheet. International Journal of Mechanical Sciences, 2020, 182, 105706.	3.6	33
7	Evolutionary anisotropy and flow stress in advanced high strength steels under loading path changes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 672, 65-77.	2.6	29
8	Plasticity and ductile fracture modeling of an Al-Si-Mg die-cast alloy. International Journal of Fracture, 2019, 216, 101-121.	1.1	25
9	Effect of plastic anisotropy and Portevin-Le Chatelier bands on hole-expansion in AA7075 sheets in -T6 and -W tempers. Journal of Materials Processing Technology, 2021, 296, 117211.	3.1	20
10	Continuous strain path change simulations for sheet metal. Computational Materials Science, 2014, 82, 286-292.	1.4	18
11	Modeling of plasticity-induced martensitic transformation to achieve hierarchical, heterogeneous, and tailored microstructures in stainless steels. CIRP Journal of Manufacturing Science and Technology, 2021, 33, 389-397.	2.3	14
12	Meso-scale Analysis of Strain Path Change Effect on the Hardening Behavior of Dual-phase Steel. Steel Research International, 2014, 85, 1047-1057.	1.0	11
13	Observation of Portevin-le Chatelier effect in aluminum alloy 7075-w under a heterogeneous stress field. Scripta Materialia, 2021, 205, 114178.	2.6	11
14	A Coupled Crystal Plasticity and Anisotropic Yield Function Model to Identify the Anisotropic Plastic Properties and Friction Behavior of an AA 3003 Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 282-294.	1.1	10
15	Plasticity and Formability of Annealed, Commercially-Pure Aluminum: Experiments and Modeling. Materials, 2020, 13, 4285.	1.3	10
16	Hybrid fitting-numerical method for determining strain-hardening behavior of sheet metals. Mechanics of Materials, 2021, 161, 104031.	1.7	10
17	Robustness of deep-drawing finite-element simulations to process variations. International Journal of Material Forming, 2022, 15, .	0.9	8
18	Failure of AA6022-T4 sheets in hole-expansion after uniaxial prestrain. AIP Conference Proceedings, 2019, , .	0.3	7

#	ARTICLE	IF	CITATIONS
19	Hole-Expansion: Sensitivity of Failure Prediction on Plastic Anisotropy Modeling. Journal of Manufacturing and Materials Processing, 2021, 5, 28.	1.0	7
20	Effectiveness of different closed-loop control strategies for deep drawing on single-acting 3D Servo Presses. CIRP Annals - Manufacturing Technology, 2022, 71, 357-360.	1.7	7
21	Ductile fracture of an Al-Si-Mg die-casting aluminum alloy. Procedia Engineering, 2017, 207, 2024-2029.	1.2	4
22	Inducing α texture in AA5182-O through continuous-bending-under-tension and recovery heat treatment processes to influence r-values. CIRP Annals - Manufacturing Technology, 2022, , .	1.7	3
23	Ductile fracture of AA6111 alloy including the effect of bake-hardening. Journal of Physics: Conference Series, 2018, 1063, 012026.	0.3	1
24	Prediction of part shape and associated material properties in hot-press forming using Finite element analysis. Journal of Physics: Conference Series, 2016, 734, 032024.	0.3	0
25	An Application of Homogeneous Anisotropic Hardening Model to the Prestrained Hole-Expansion Experiment. Minerals, Metals and Materials Series, 2021, , 1991-1998.	0.3	0
26	Design of a New Cruciform-Like Specimen for Combined Tension and Shear of Metal Sheets. Minerals, Metals and Materials Series, 2021, , 1961-1967.	0.3	0