Anisotropic plasticity characterization of 6000- and 7000- various strain rates

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Citation Report

#	Article	IF	Citations
1	Meso-mechanics and damage evolution of AA5182-O aluminum alloy sheet Based on the GTN model. Engineering Fracture Mechanics, 2020, 235, 107162.	2.0	11
2	Characterization of yield stress surface and strain-rate potential for tubular materials using multiaxial tube expansion test method. International Journal of Plasticity, 2020, 133, 102838.	4.1	20
3	Advances in anisotropy of plastic behaviour and formability of sheet metals. International Journal of Material Forming, 2020, 13, 749-787.	0.9	50
4	A prediction model of milling force for aviation 7050 aluminum alloy based on improved RBF neural network. International Journal of Advanced Manufacturing Technology, 2020, 110, 2493-2501.	1.5	7
5	Investigation of the Springback Behaviour of High-strength Aluminium Alloys Based on Cross Profile Deep Drawing Tests. Procedia Manufacturing, 2020, 47, 1223-1229.	1.9	9
6	Accounting for Shear Anisotropy and Material Frame Rotation on the Constitutive Characterization of Automotive Alloys using Simple Shear Tests. Mechanics of Materials, 2020, 148, 103419.	1.7	28
7	A modified Johnson-Cook model of 6061-T6 Aluminium profile. Australian Journal of Mechanical Engineering, 2022, 20, 516-526.	1.5	7
8	Direct measurement of shot velocity and numerical analysis of residual stress from pneumatic shot peening. Surfaces and Interfaces, 2021, 22, 100827.	1.5	15
9	Effects of cold temperatures, strain rates and anisotropy on the mechanical behavior and fracture morphology of an Al–Zn–Mg–Cu alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 806, 140691.	2.6	14
10	Inertia-based identification of elastic anisotropic properties for materials undergoing dynamic loadings using the virtual fields method and heterogeneous impact tests. Materials and Design, 2021, 203, 109594.	3.3	4
11	Friction characterization and application to warm forming of a high strength 7000-series aluminum sheet. Journal of Materials Processing Technology, 2021, 293, 117066.	3.1	18
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14	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
15	Characterization on the thermal anisotropic behaviors of high strength AA7075 alloy with the Yld2004-18p yield function. Journal of Alloys and Compounds, 2021, 877, 159955.	2.8	7
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17	Parameter Estimation and Application of Anisotropic Yield Criteria for Cylindrical Aluminum Extrusions: Theoretical Developments and StereoDIC Measurements. Applied Sciences (Switzerland), 2021, 11, 9701.	1.3	1
18	Lengthscale effects in optical strain measurement for fracture characterization in simple shear. International Journal of Fracture, 2021, 232, 153-180.	1.1	7

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19	Damage Evolution of 6005A Aluminum Alloy Sheet Based on Gurson-Tvagaard-Needleman Model: Experiment and Finite Element Simulation. Journal of Materials Engineering and Performance, 2022, 31, 3902-3917.	1.2	1
20	Effect of saturation peening on shape and residual stress distribution after peen forming. International Journal of Advanced Manufacturing Technology, 2022, 119, 4659-4675.	1.5	8
21	Study on anisotropic behavior of 7075 Al alloy after extrusion. Materials Research Express, 2022, 9, 026508.	0.8	6
22	Characterization and prediction of fracture in 6000- and 7000-series aluminum alloy sheet under various stress states. Thin-Walled Structures, 2022, 173, 108958.	2.7	11
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27	Sheared Edge Formability Characterization of High Strength Aluminum Alloys at Room and Elevated Temperatures using Hole Expansion Tests. IOP Conference Series: Materials Science and Engineering, 2022, 1238, 012040.	0.3	0
28	A VFM-based identification method for the dynamic anisotropic plasticity of sheet metals. International Journal of Mechanical Sciences, 2022, 230, 107550.	3.6	2
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31	Characterization of Anisotropic Fracture Behavior of 7075-T6 Aluminum Alloy Sheet under Various Stress States. Journal of Materials Engineering and Performance, 0, , .	1.2	6
32	Energy absorption and dynamic behaviour of 6xxx series aluminium alloys: A review. International Journal of Impact Engineering, 2023, 172, 104397.	2.4	12
33	Damage evolution and failure mechanism of three-dimensional braided composite subjected to varied high strain-rate loadings. Textile Reseach Journal, 2023, 93, 1783-1802.	1.1	4
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