

Wencheng Liu

List of Publications by Year in Descending Order

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

13
papers

72
citations

6
h-index

8
g-index

14
ext. papers

122
ext. citations

3.1
avg, IF

3.17
L-index

#	Paper	IF	Citations
13	Confidence level and reliability analysis of the fatigue life of CFRP laminates predicted based on fracture fatigue entropy. <i>International Journal of Fatigue</i> , 2021 , 156, 106659	5	0
12	Multi-level deep drawing simulations of AA3104 aluminium alloy using crystal plasticity finite element modelling and phenomenological yield function. <i>Advances in Mechanical Engineering</i> , 2021 , 13, 168781402110012	1.2	1
11	A multi-scale modelling framework for anisotropy prediction in aluminium alloy sheet and its application in the optimisation of the deep-drawing process. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 114, 3401-3417	3.2	0
10	Experimental and crystal plasticity modelling study on the crack initiation in micro-texture regions of Ti-6Al-4V during high cycle fatigue tests. <i>International Journal of Fatigue</i> , 2021 , 148, 106203	5	4
9	A Comparative Study of Fatigue Energy Dissipation of Additive Manufactured and Cast AlSi10Mg Alloy. <i>Metals</i> , 2021 , 11, 1274	2.3	2
8	A 3D phenomenological yield function with both in and out-of-plane mechanical anisotropy using full-field crystal plasticity spectral method for modelling sheet metal forming of strong textured aluminum alloy. <i>International Journal of Solids and Structures</i> , 2020 , 193-194, 117-133	3.1	11
7	Development of a non-contact and non-destructive laser speckle imaging system for remote sensing of anisotropic deformation around fastener holes. <i>NDT and E International</i> , 2020 , 111, 102219	4.1	3
6	Investigation of internal friction and fracture fatigue entropy of CFRP laminates with various stacking sequences subjected to fatigue loading. <i>Thin-Walled Structures</i> , 2020 , 155, 106978	4.7	13
5	Numerical investigation of evolution of earing, anisotropic yield and plastic potentials in cold rolled FCC aluminium alloy based on the crystallographic texture measurements. <i>European Journal of Mechanics, A/Solids</i> , 2019 , 75, 41-55	3.7	15
4	An investigation of plastic behaviour in cold-rolled aluminium alloy AA2024-T3 using laser speckle imaging sensor. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 103, 2707-2724	3.2	6
3	Sheet metal anisotropy and optimal non-round blank design in high-speed multi-step forming of AA3104-H19 aluminium alloy can body. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 95, 4265-4277	3.2	10
2	A new temperature-dependent anisotropic constitutive model for predicting deformation and spring-back in warm deep drawing of automotive AA5086-H111 aluminium alloy sheet. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 3407-3421	3.2	6
1	A numerical scheme of convex yield function with continuous anisotropic hardening based on non-associated flow rule in FE analysis of sheet metal. <i>Journal of Physics: Conference Series</i> , 2018 , 1063, 012092	0.3	