

Wencheng Liu

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

190
citations

1162367

8
h-index

1125271

13
g-index

14
all docs

14
docs citations

14
times ranked

115
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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. | 2.7 | 32 |
| 2 | 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. | 1.3 | 28 |
| 3 | 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. | 2.1 | 26 |
| 4 | 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. | 2.8 | 21 |
| 5 | Analysis of ESAFORM 2021 cup drawing benchmark of an Al alloy, critical factors for accuracy and efficiency of FE simulations. <i>International Journal of Material Forming</i> , 2022, 15, . | 0.9 | 18 |
| 6 | Confidence level and reliability analysis of the fatigue life of CFRP laminates predicted based on fracture fatigue entropy. <i>International Journal of Fatigue</i> , 2022, 156, 106659. | 2.8 | 14 |
| 7 | 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. | 1.5 | 12 |
| 8 | 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. | 1.5 | 8 |
| 9 | A Comparative Study of Fatigue Energy Dissipation of Additive Manufactured and Cast AlSi10Mg Alloy. <i>Metals</i> , 2021, 11, 1274. | 1.0 | 7 |
| 10 | 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. | 1.5 | 6 |
| 11 | 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. | 1.7 | 6 |
| 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. | 0.8 | 6 |
| 13 | 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. | 1.5 | 6 |
| 14 | 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 | 0 |