

Juan Liao

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.

25
papers

277
citations

9
h-index

16
g-index

29
ext. papers

363
ext. citations

3.6
avg, IF

3.59
L-index

#	Paper	IF	Citations
25	Experimental and numerical investigation of ultrasonic vibration-assisted warm incremental forming of magnesium alloy sheet. <i>International Journal of Advanced Manufacturing Technology</i> , 2022 , 119, 4559	3.2	0
24	Fabrication technology and shear failure behaviours of elastic porous sandwich structure with entangled metallic wire mesh. <i>Thin-Walled Structures</i> , 2022 , 170, 108599	4.7	0
23	Hot-cracking susceptibility and shear fracture behavior of dissimilar Ti6Al4V/AA6060 alloys in pulsed Nd:YAG laser welding. <i>Chinese Journal of Aeronautics</i> , 2021 , 34, 375-386	3.7	7
22	Pre-strain effect on twist springback of a 3D P-channel in deep drawing. <i>Journal of Materials Processing Technology</i> , 2021 , 287, 116224	5.3	8
21	Analysis of forming-induced distortion of dissimilar Ti6Al4V/AA1050 laminate made by non-equal channel lateral co-extrusion. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 110, 1627-1640	3.2	1
20	On twist springback of a curved channel with pre-strain effect. <i>International Journal of Lightweight Materials and Manufacture</i> , 2020 , 3, 108-112	2.2	1
19	Interfacial Characteristics of Dissimilar Ti6Al4V/AA6060 Lap Joint by Pulsed Nd:YAG Laser Welding. <i>Metals</i> , 2019 , 9, 71	2.3	13
18	Control strategy of twist springback for aluminium alloy hybrid thin-walled tube under mandrel-rotary draw bending. <i>International Journal of Material Forming</i> , 2018 , 11, 311-323	2	6
17	Assessment of Metal Flow Balance in Multi-Output Porthole Hot Extrusion of AA6060 Thin-Walled Profile. <i>Metals</i> , 2018 , 8, 462	2.3	7
16	Twist springback characteristics of dual-phase steel sheet after non-axisymmetric deep drawing. <i>International Journal of Material Forming</i> , 2017 , 10, 267-278	2	9
15	Mechanical, microstructural behaviour and modelling of dual phase steels under complex deformation paths. <i>International Journal of Plasticity</i> , 2017 , 93, 269-290	7.6	36
14	Constitutive modeling for path-dependent behavior and its influence on twist springback. <i>International Journal of Plasticity</i> , 2017 , 93, 64-88	7.6	27
13	Effects of Pulsed Nd:YAG Laser Welding Parameters on Penetration and Microstructure Characterization of a DP1000 Steel Butt Joint. <i>Metals</i> , 2017 , 7, 292	2.3	27
12	Experimental assessment of nonlinear elastic behaviour of dual-phase steels and application to springback prediction. <i>International Journal of Mechanical Sciences</i> , 2016 , 117, 1-15	5.5	25
11	Modelling and sensitivity analysis of twist springback in deep drawing of dual-phase steel. <i>Materials and Design</i> , 2016 , 90, 204-217	8.1	28
10	Modeling of the Mechanical Response During Reversal Shear Loading: Application to Steels. <i>Steel Research International</i> , 2016 , 87, 850-858	1.6	1
9	Modelling of mandrel rotary draw bending for accurate twist springback prediction of an asymmetric thin-walled tube. <i>Journal of Materials Processing Technology</i> , 2015 , 216, 405-417	5.3	23

8	Experimental investigation of deep drawing of C-rail benchmark using various lubricants. <i>MATEC Web of Conferences</i> , 2015 , 21, 04011	0.3	
7	Material Modelling and Springback Analysis for Multi-stage Rotary Draw Bending of Thin-walled Tube Using Homogeneous Anisotropic Hardening Model. <i>Procedia Engineering</i> , 2014 , 81, 1228-1233		5
6	On twist springback prediction of asymmetric tube in rotary draw bending with different constitutive models. <i>International Journal of Mechanical Sciences</i> , 2014 , 89, 311-322	5.5	24
5	A Semi-Analytic Model to Predict and Compensate Springback in the 3D Stretch Bending Process. <i>Steel Research International</i> , 2014 , 85, 697-709	1.6	3
4	Twist Springback of Asymmetric Thin-walled Tube in Mandrel Rotary Draw Bending Process. <i>Procedia Engineering</i> , 2014 , 81, 2177-2183		6
3	A Springback Compensation Strategy and Applications to Bending Cases. <i>Steel Research International</i> , 2013 , 84, 463-472	1.6	10
2	A New Springback Compensation Method for Sheet Metal Bending Based on Curvature Correction. <i>Advanced Materials Research</i> , 2010 , 97-101, 130-134	0.5	8
1	Surface quality analysis of AZ31B Mg alloy sheet in ultrasonic-assisted warm single-point incremental forming. <i>International Journal of Advanced Manufacturing Technology</i> , 1	3.2	1