

Yong Sun

List of Publications by Year in descending order

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12
papers

118
citations

1478505

6
h-index

1281871

11
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12
all docs

12
docs citations

12
times ranked

49
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the design process for the Chain-die forming technology based on the developed multi-stand numerical model. Journal of Materials Processing Technology, 2020, 277, 116484.	6.3	8
2	Forming-Induced Residual Stress and Material Properties of Roll-Formed High-Strength Steels. Automotive Innovation, 2020, 3, 210-220.	5.1	6
3	Understanding of residual stresses in chain-die-formed dual-phase (DP) metallic components: predictive modelling and experimental validation. International Journal of Advanced Manufacturing Technology, 2019, 103, 3337-3360.	3.0	3
4	Predictive modelling of longitudinal bow in Chain-die formed AHSS profiles and its experimental verification. Journal of Manufacturing Processes, 2019, 39, 208-225.	5.9	9
5	A numerical study on chain-die forming of the AHSS U-channel and contrast with roll forming. International Journal of Mechanical Sciences, 2018, 135, 279-293.	6.7	27
6	Longitudinal strain development in Chain-die forming AHSS products: Analytical modelling, finite element analysis and experimental verification. Journal of Materials Processing Technology, 2017, 243, 322-334.	6.3	25
7	Experimental and numerical investigation of flange angle in Chain-die formed AHSS U-channel sections. International Journal of Advanced Manufacturing Technology, 2017, 92, 1231-1242.	3.0	10
8	Analytical and numerical analyses of the longitudinal plastic strain and web-warping in Chain-die-formed AHSS sections with variable widths. International Journal of Advanced Manufacturing Technology, 2017, 92, 1147-1164.	3.0	6
9	Development of the slope cutting method for determining the residual stresses in roll formed products. Measurement: Journal of the International Measurement Confederation, 2017, 100, 26-35.	5.0	10
10	Experimental investigation and prediction of the maximum edge longitudinal membrane strain and springback of Chain-die-formed AHSS U-channels using response surface methodology. International Journal of Advanced Manufacturing Technology, 2017, 90, 1963-1976.	3.0	10
11	Utilizing 2-D and 3-D simulations in assisting tooling design in Chain-die forming threshold product. Procedia Engineering, 2017, 207, 1272-1277.	1.2	3
12	Determination of microstructure evolution in metallic components introduced by Chain-die forming. Procedia Engineering, 2017, 207, 1296-1301.	1.2	1