

Kuntal Maji

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

438
citations

840776

11
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752698

20
g-index

29
all docs

29
docs citations

29
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser forming of a dome shaped surface: Experimental investigations, statistical analysis and neural network modeling. Optics and Lasers in Engineering, 2014, 53, 31-42.	3.8	49
2	Experimental investigations and statistical analysis of pulsed laser bending of AISI 304 stainless steel sheet. Optics and Laser Technology, 2013, 49, 18-27.	4.6	46
3	Forward and reverse mappings of electrical discharge machining process using adaptive network-based fuzzy inference system. Expert Systems With Applications, 2010, 37, 8566-8574.	7.6	44
4	Selection of Process Parameters for Near-Net Shape Deposition in Wire Arc Additive Manufacturing by Genetic Algorithm. Journal of Materials Engineering and Performance, 2020, 29, 3334-3352.	2.5	37
5	Emerging Trends in Single Point Incremental Sheet Forming of Lightweight Metals. Metals, 2021, 11, 1188.	2.3	35
6	Modeling of Electrical Discharge Machining Process Using Conventional Regression Analysis and Genetic Algorithms. Journal of Materials Engineering and Performance, 2011, 20, 1121-1127.	2.5	31
7	Analysis and synthesis of laser forming process using neural networks and neuro-fuzzy inference system. Soft Computing, 2013, 17, 849-865.	3.6	29
8	Investigation on laser forming of stainless steel sheets under coupling mechanism. Optics and Laser Technology, 2015, 71, 29-44.	4.6	25
9	Experimental investigations, modeling, and optimization of multi-scan laser forming of AISI 304 stainless steel sheet. International Journal of Advanced Manufacturing Technology, 2016, 83, 1441-1455.	3.0	25
10	Inverse analysis and multi-objective optimization of single-point incremental forming of AA5083 aluminum alloy sheet. Soft Computing, 2020, 24, 4505-4521.	3.6	19
11	Microstructure and Chemical Composition Analysis of Double Wire Arc Additive Manufactured Bimetallic Structure. Journal of Materials Engineering and Performance, 2021, 30, 5413-5425.	2.5	15
12	Finite Element Analysis and Experimental Investigations on Laser Bending of AISI304 Stainless Steel Sheet. Procedia Engineering, 2013, 64, 528-535.	1.2	11
13	Analysis of pulsed laser bending of sheet metal using neural networks and neuro-fuzzy system. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 1015-1026.	2.4	11
14	Forward and inverse predictions of deformations in laser forming of shaped surfaces under coupling mechanism. Journal of Laser Applications, 2018, 30, .	1.7	10
15	Modelling of electrical discharge machining process using regression analysis, adaptive neuro-fuzzy inference system and genetic algorithm. International Journal of Data Mining, Modelling and Management, 2010, 2, 75.	0.1	9
16	Investigations on formability of tailor laminated sheets in single point incremental forming. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2022, 236, 1393-1405.	2.4	8
17	Experimental study on the effects of incremental forming and friction stir welding on formability of AA5083 sheet. Journal of Physics: Conference Series, 2019, 1240, 012090.	0.4	5
18	Bead Modelling and Deposition Path Planning in Wire Arc Additive Manufacturing of Three Dimensional Parts. Materials Science Forum, 0, 969, 582-588.	0.3	4

#	ARTICLE	IF	CITATIONS
19	Inverse analysis and multi-objective optimization of coupling mechanism based laser forming process. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	1.3	4
20	Investigations into Enhanced Formability of AA5083 Aluminum Alloy Sheet in Single-Point Incremental Forming. Journal of Materials Engineering and Performance, 2021, 30, 1289-1305.	2.5	4
21	Forming limit analysis of friction stir tailor welded AA5083 and AA7075 sheets in single point incremental forming. International Journal of Material Forming, 2022, 15, 1.	2.0	4
22	Parametric Study and Optimization of Pulsed Laser Thermal Micro-Forming of Thin Sheets. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2019, 9, 47-61.	0.4	3
23	Numerical and Experimental Studies on Pulsed Laser Forming of Sheet Metal. Topics in Mining, Metallurgy and Materials Engineering, 2015, , 55-67.	1.6	3
24	Experimental investigations on spatial and temporal laser irradiations in pulsed laser forming of thin metal sheets. Journal of Laser Applications, 2019, 31, 042010.	1.7	2
25	An Experimental Study on Single-Point Incremental Forming of AA5083 Sheet Using Response Surface Methodology. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 91-103.	0.6	2
26	Strain- and stress-based forming limit curves for DP 590 steel sheet using Marciniak-Kuczynski method. AIP Conference Proceedings, 2018, , .	0.4	1
27	Prediction and Optimization of Deformations in Coupling Mechanism Based Laser Forming of Sheet Metals. Materials Science Forum, 0, 969, 552-557.	0.3	1
28	Numerical and Experimental Investigations on Deposition of Stainless Steel in Wire Arc Additive Manufacturing. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2021, 11, 40-56.	0.4	1
29	Pulsed Laser Micro-Forming of Thin Sheets. Advances in Mechatronics and Mechanical Engineering, 2021, , 337-357.	1.0	0