

Sheng Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6528254/publications.pdf>

Version: 2024-02-01

17
papers

358
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

290
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and Optimization of Surface Roughness in Incremental Sheet Forming using a Multi-objective Function. <i>Materials and Manufacturing Processes</i> , 2014, 29, 808-818.	4.7	73
2	Multi-pass deformation design for incremental sheet forming: Analytical modeling, finite element analysis and experimental validation. <i>Journal of Materials Processing Technology</i> , 2014, 214, 620-634.	6.3	61
3	Model predictive control of incremental sheet forming for geometric accuracy improvement. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 82, 1781-1794.	3.0	38
4	Efficient force prediction for incremental sheet forming and experimental validation. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 571-587.	3.0	35
5	Part accuracy improvement in two point incremental forming with a partial die using a model predictive control algorithm. <i>Precision Engineering</i> , 2017, 49, 179-188.	3.4	28
6	Monitoring and modelling of false brinelling for railway bearings. <i>Wear</i> , 2019, 424-425, 151-164.	3.1	22
7	Investigation of the impact of locomotive creep control on wear under changing contact conditions. <i>Vehicle System Dynamics</i> , 2015, 53, 692-709.	3.7	15
8	A new tip area function for instrumented nanoindentation at extremely small contact depths. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7948-7951.	5.6	14
9	Two-directional toolpath correction in single-point incremental forming using model predictive control. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 91-106.	3.0	14
10	A model predictive path control algorithm of single-point incremental forming for non-convex shapes. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 123-143.	3.0	13
11	Comparison of PI and fuzzy logic based sliding mode locomotive creep controls with change of rail-wheel contact conditions. <i>International Journal of Rail Transportation</i> , 2015, 3, 40-59.	2.7	12
12	Switched model predictive path control of incremental sheet forming for parts with varying wall angles. <i>Journal of Manufacturing Processes</i> , 2020, 53, 342-355.	5.9	11
13	3D surface representation and trajectory optimization with a learning-based adaptive model predictive controller in incremental forming. <i>Journal of Manufacturing Processes</i> , 2020, 58, 796-810.	5.9	9
14	Dynamic response of a locomotive with AC electric drives to changes in friction conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2017, 231, 90-103.	2.0	5
15	A comparative investigation of damage models for fracture prediction in two-point incremental forming. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 3069-3081.	3.0	3
16	Numerical and Experimental Investigation of the Bending Zone in Free U-Bending. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2021, 143, .	2.2	2
17	On-line autonomous path optimization for multi-pass incremental forming using model predictive control. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 3339-3353.	3.0	1