

Zhendong Shang

List of Publications by Year in descending order

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7
papers

151
citations

1937685

4
h-index

1720034

7
g-index

7
all docs

7
docs citations

7
times ranked

167
citing authors

#	ARTICLE	IF	CITATIONS
1	On modelling of laser assisted machining: Forward and inverse problems for heat placement control. International Journal of Machine Tools and Manufacture, 2019, 138, 36-50.	13.4	66
2	Towards less energy intensive heavy-duty machine tools: Power consumption characteristics and energy-saving strategies. Energy, 2019, 178, 263-276.	8.8	41
3	Electrical energy consumption of CNC machine tools based on empirical modeling. International Journal of Advanced Manufacturing Technology, 2019, 100, 2255-2267.	3.0	23
4	Quantitative Analysis of Carbon Emissions in Precision Turning Processes and Industrial Case Study. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 205-216.	4.9	15
5	Optimisation of cutting parameters for minimising carbon emissions and cost in the turning process. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, , 095440622092287.	2.1	3
6	A multi-perspective analysis of sustainability of machining processes based on a new extended virtual manufacturing framework. Energy, 2021, 225, 120257.	8.8	2
7	Developing a new energy performance indicator for the spindle system based on power flow analysis. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 1687-1699.	2.4	1