

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 | 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 |
| 2 | A multi-perspective analysis of sustainability of machining processes based on a new extended virtual manufacturing framework. Energy, 2021, 225, 120257. | 8.8 | 2 |
| 3 | 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 |
| 4 | 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 |
| 5 | Towards less energy intensive heavy-duty machine tools: Power consumption characteristics and energy-saving strategies. Energy, 2019, 178, 263-276. | 8.8 | 41 |
| 6 | Electrical energy consumption of CNC machine tools based on empirical modeling. International Journal of Advanced Manufacturing Technology, 2019, 100, 2255-2267. | 3.0 | 23 |
| 7 | 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 |