

Tao Zhang

List of Publications by Year in descending order

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11
papers

233
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

138
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards understanding the brittle–ductile transition in the extreme manufacturing. International Journal of Extreme Manufacturing, 2021, 3, 022001.	12.7	55
2	The correction of temperature-dependent Vickers hardness of cemented carbide base on the developed high-temperature hardness tester. Journal of Materials Processing Technology, 2018, 255, 426-433.	6.3	40
3	Estimation of temperature-dependent heat transfer coefficients in near-dry cutting. International Journal of Advanced Manufacturing Technology, 2016, 86, 1207-1218.	3.0	33
4	Analytical model of milling forces based on time-variant sculptured shear surface. International Journal of Mechanical Sciences, 2016, 115-116, 190-201.	6.7	25
5	A novel ultrahigh-speed ball-on-disc tribometer. Tribology International, 2021, 157, 106901.	5.9	17
6	The development of FEM based model of orthogonal cutting for pure iron. Journal of Manufacturing Processes, 2021, 64, 674-683.	5.9	16
7	FEM Modeling of the Relationship between the High-Temperature Hardness and High-Temperature, Quasi-Static Compression Experiment. Materials, 2018, 11, 34.	2.9	14
8	Research on the Size Effect of Specific Cutting Energy Based on Numerical Simulation of Single Grit Scratching. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	11
9	Study on dynamic mechanical properties and constitutive model of 10B/Al composite compared with its matrix of high-purity aluminum. Journal of Materials Science, 2020, 55, 748-761.	3.7	10
10	Research on the Stress and Material Flow with Single Particle–Simulations and Experiments. Journal of Materials Engineering and Performance, 2017, 26, 2689-2697.	2.5	7
11	Research on the Single Grit Scratching Process of Oxygen-Free Copper (OFC). Materials, 2018, 11, 676.	2.9	5