

Xianhua Tian

List of Publications by Year in descending order

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9
papers

236
citations

1307594

7
h-index

1474206

9
g-index

9
all docs

9
docs citations

9
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of cutting speed on cutting forces and wear mechanisms in high-speed face milling of Inconel 718 with Sialon ceramic tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 2669-2678.	3.0	99
2	Performance of graded nano-composite ceramic tools in ultra-high-speed milling of Inconel 718. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 67, 2799-2810.	3.0	28
3	Cutting forces, chip formation, and tool wear in high-speed face milling of AISI H13 steel with CBN tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 64, 1737-1749.	3.0	27
4	Performance of Si ₃ N ₄ /(W, Ti)C graded ceramic tool in high-speed turning iron-based superalloys. <i>Ceramics International</i> , 2018, 44, 15579-15587.	4.8	25
5	High-speed intermittent turning of GH2132 alloy with Si ₃ N ₄ /(W, Ti)C/Co graded ceramic tool. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 401-408.	3.0	18
6	Performance of ceramic tools in high-speed cutting iron-based superalloys. <i>Machining Science and Technology</i> , 2017, 21, 279-290.	2.5	16
7	Characterization and control of laser induced modification inside silicon. <i>Journal of Laser Applications</i> , 2019, 31, .	1.7	12
8	Performance of carbide tools in high-speed dry turning iron-based superalloys. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2022, 236, 427-439.	2.4	7
9	Effect of Interfacial Structure on Mechanical Properties of Graphene Reinforced Al ₂ O ₃ â€“WC Matrix Ceramic Composite. <i>Nanomaterials</i> , 2021, 11, 1374.	4.1	4