

Pay Jun Liew

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

496
citations

1040056

9
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of current status of cutting fluids and cooling techniques of turning hard steel. International Journal of Heat and Mass Transfer, 2017, 114, 380-394.	4.8	116
2	Fabrication of deep micro-holes in reaction-bonded SiC by ultrasonic cavitation assisted micro-EDM. International Journal of Machine Tools and Manufacture, 2014, 76, 13-20.	13.4	112
3	Carbon nanofiber assisted micro electro discharge machining of reaction-bonded silicon carbide. Journal of Materials Processing Technology, 2013, 213, 1076-1087.	6.3	70
4	Surface modification and functionalization by electrical discharge coating: a comprehensive review. International Journal of Extreme Manufacturing, 2020, 2, 012004.	12.7	47
5	Experimental investigation on material migration phenomena in micro-EDM of reaction-bonded silicon carbide. Applied Surface Science, 2013, 276, 731-743.	6.1	36
6	Material Removal in Ultrasonic Abrasive Polishing of Additive Manufactured Components. Applied Sciences (Switzerland), 2019, 9, 5359.	2.5	26
7	Recent progress on the application of nanofluids and hybrid nanofluids in machining: a comprehensive review. International Journal of Advanced Manufacturing Technology, 2022, 121, 1455-1481.	3.0	21
8	Processing capabilities of micro ultrasonic machining for hard and brittle materials: SPH analysis and experimental verification. Precision Engineering, 2020, 63, 159-169.	3.4	17
9	Fabrication of Microstructures on RB-SiC by Ultrasonic Cavitation Assisted Micro-Electrical Discharge Machining. International Journal of Automation Technology, 2013, 7, 621-629.	1.0	14
10	Statistical Approach Optimizing Slant Feed Grinding. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2012, 6, 898-907.	0.7	9
11	Surface modification of tungsten carbide cobalt by electrical discharge coating with quarry dust suspension. International Journal of Advanced Manufacturing Technology, 2020, 111, 2105-2116.	3.0	9
12	Experimental investigation of RB-SiC using Cu@CNF composite electrodes in electrical discharge machining. International Journal of Advanced Manufacturing Technology, 2018, 98, 3019-3028.	3.0	5
13	Surface modification of tungsten carbide cobalt by electrical discharge coating with quarry dust powder: an optimisation study. Materials Research Express, 2020, 7, 106407.	1.6	5
14	Tribological characteristics of electrical discharge coated layers using quarry dust suspension. Surface and Coatings Technology, 2021, 428, 127895.	4.8	3
15	Effect of Surfactant on EDM of Low Conductivity Reaction-Bonded Silicon Carbide. Key Engineering Materials, 2016, 701, 107-111.	0.4	2
16	Repair of ultrasonic machining induced surface/subsurface cracks by laser irradiation. Optics and Laser Technology, 2019, 111, 497-508.	4.6	2
17	Effect of Different Dielectric Fluids on Micro EDM of Low Conductivity Ceramic Material RB-SiC. Advanced Materials Research, 0, 565, 529-534.	0.3	1
18	Micro-electrical Discharge Machining of Hard Brittle Materials. Toxinology, 2018, , 1-32.	0.2	1

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19	Micro-electrical Discharge Machining of Hard Brittle Materials. Toxinology, 2018, , 1-32.	0.2	0
20	3383 Statistical Approach Optimizing Slant Feed Grinding. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2011, 2011.6, _3383-1_-_3383-6_.	0.0	0
21	3413 Micro-Electrical Discharge Machining of Reaction-Bonded Silicon Carbide(RB-SiC). Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2011, 2011.6, _3413-1_-_3413-6_.	0.0	0
22	Micro-electrical Discharge Machining of Hard Brittle Materials. Micro/Nano Technologies, 2018, , 775-806.	0.1	0