Hamed Adibi

List of Publications by Year
in descending order

22	331	759233 12	888059 17
papers	citations	h-index	g-index

23	23	23	201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of the grinding process utilizing an auxiliary compressed air jet on cleaning the grinding wheel surface. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023, 237, 740-752.	2.5	10
2	Experimental study on tensile strength of copper microparticles filled polymer composites printed by fused deposition modelling process. Rapid Prototyping Journal, 2022, 28, 21-31.	3.2	6
3	Analytical simulation of grinding forces based on the micro-mechanisms of cutting between grain-workpiece. International Journal of Advanced Manufacturing Technology, 2022, 119, 4781-4801.	3.0	3
4	Experimental and numerical investigation of heat generation and surface integrity of ZrO2 bioceramics in grinding process under MQL condition. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 131, 105226.	3.1	15
5	Application of a compressed air jet for cleaning of wheel surface in grinding nickel-based super alloy Inconel 718. CIRP Journal of Manufacturing Science and Technology, 2022, 37, 233-244.	4.5	16
6	Coupled thermo-mechanical analysis and optimization of the grinding process for Inconel 718 superalloy using single grit approach. Tribology International, 2022, 171, 107530.	5.9	6
7	The surface and subsurface integrity in coupled operation of fused deposited modeling and centrifugal disk finishing. Rapid Prototyping Journal, 2022, 28, 1731-1749.	3.2	3
8	Investigation of the surface integrity, flexural strength on the grinding of alumina for biomedical applications. Precision Engineering, 2021, 67, 110-122.	3.4	7
9	Study on surface integrity and material removal mechanism in eco-friendly grinding of Inconel 718 using numerical and experimental investigations. International Journal of Advanced Manufacturing Technology, 2021, 112, 1797-1818.	3.0	20
10	Experimental evaluation of electrophoretic deposition-assisted polishing. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 1726-1734.	2.5	1
11	Improvement of surface integrity in the grinding of bioceramic partially stabilized zirconia using analytical, numerical, and experimental methods. Ceramics International, 2020, 46, 13784-13797.	4.8	17
12	Mathematical modeling and experimental evaluation of a prototype double-tube Magnetorheological damper. SN Applied Sciences, 2019, 1, 1.	2.9	17
13	An efficient strategy for grinding carbon fiber-reinforced silicon carbide composite using minimum quantity lubricant. Ceramics International, 2019, 45, 10852-10864.	4.8	24
14	Cup wheel grinding-induced subsurface damage in optical glass BK7: An experimental, theoretical and numerical investigation. Precision Engineering, 2019, 57, 162-175.	3.4	34
15	In-Process Monitoring of Nickel-Based Super Alloy Grinding Using the Acoustic Emission Method. Russian Journal of Nondestructive Testing, 2019, 55, 909-917.	0.9	6
16	Surface integrity and flexural strength improvement in grinding partially stabilized zirconia. Journal of Central South University, 2019, 26, 3261-3278.	3.0	6
17	Influence of grinding parameters on phase transformation, surface roughness, and grinding cost of bioceramic partially stabilized zirconia (PSZ) using diamond grinding wheel. International Journal of Advanced Manufacturing Technology, 2019, 105, 4715-4729.	3.0	17
18	Study on minimum quantity lubrication (MQL) in grinding of carbon fiber-reinforced SiC matrix composites (CMCs). International Journal of Advanced Manufacturing Technology, 2018, 95, 3753-3767.	3.0	44

#	Article	IF	Citations
19	Grinding Wheel Loading Evaluation Using Digital Image Processing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	2.2	23
20	Investigation on using high-pressure fluid jet in grinding process for less wheel loaded areas. International Journal of Advanced Manufacturing Technology, 2014, 70, 2233-2240.	3.0	24
21	Analytical modeling of grinding wheel loading phenomena. International Journal of Advanced Manufacturing Technology, 2013, 68, 473-485.	3.0	30
22	Modeling of Specific Grinding Energy Based on Wheel Topography. Advanced Materials Research, 0, 325, 72-78.	0.3	2