

Hamed Adibi

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

331
citations

759233

12
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on minimum quantity lubrication (MQL) in grinding of carbon fiber-reinforced SiC matrix composites (CMCs). <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 3753-3767.	3.0	44
2	Cup wheel grinding-induced subsurface damage in optical glass BK7: An experimental, theoretical and numerical investigation. <i>Precision Engineering</i> , 2019, 57, 162-175.	3.4	34
3	Analytical modeling of grinding wheel loading phenomena. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 68, 473-485.	3.0	30
4	Investigation on using high-pressure fluid jet in grinding process for less wheel loaded areas. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 2233-2240.	3.0	24
5	An efficient strategy for grinding carbon fiber-reinforced silicon carbide composite using minimum quantity lubricant. <i>Ceramics International</i> , 2019, 45, 10852-10864.	4.8	24
6	Grinding Wheel Loading Evaluation Using Digital Image Processing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2014, 136, .	2.2	23
7	Study on surface integrity and material removal mechanism in eco-friendly grinding of Inconel 718 using numerical and experimental investigations. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 1797-1818.	3.0	20
8	Mathematical modeling and experimental evaluation of a prototype double-tube Magnetorheological damper. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	17
9	Influence of grinding parameters on phase transformation, surface roughness, and grinding cost of bioceramic partially stabilized zirconia (PSZ) using diamond grinding wheel. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 4715-4729.	3.0	17
10	Improvement of surface integrity in the grinding of bioceramic partially stabilized zirconia using analytical, numerical, and experimental methods. <i>Ceramics International</i> , 2020, 46, 13784-13797.	4.8	17
11	Application of a compressed air jet for cleaning of wheel surface in grinding nickel-based super alloy Inconel 718. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2022, 37, 233-244.	4.5	16
12	Experimental and numerical investigation of heat generation and surface integrity of ZrO ₂ bioceramics in grinding process under MQL condition. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 131, 105226.	3.1	15
13	Evaluation of the grinding process utilizing an auxiliary compressed air jet on cleaning the grinding wheel surface. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2023, 237, 740-752.	2.5	10
14	Investigation of the surface integrity, flexural strength on the grinding of alumina for biomedical applications. <i>Precision Engineering</i> , 2021, 67, 110-122.	3.4	7
15	In-Process Monitoring of Nickel-Based Super Alloy Grinding Using the Acoustic Emission Method. <i>Russian Journal of Nondestructive Testing</i> , 2019, 55, 909-917.	0.9	6
16	Surface integrity and flexural strength improvement in grinding partially stabilized zirconia. <i>Journal of Central South University</i> , 2019, 26, 3261-3278.	3.0	6
17	Experimental study on tensile strength of copper microparticles filled polymer composites printed by fused deposition modelling process. <i>Rapid Prototyping Journal</i> , 2022, 28, 21-31.	3.2	6
18	Coupled thermo-mechanical analysis and optimization of the grinding process for Inconel 718 superalloy using single grit approach. <i>Tribology International</i> , 2022, 171, 107530.	5.9	6

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Modeling of Specific Grinding Energy Based on Wheel Topography. Advanced Materials Research, 0, 325, 72-78.	0.3	2
22	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