

Ali Zahedi

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

280
citations

1307594

7
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

196
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinematics of bonded abrasive machining processes. , 2022, , 137-151.		0
2	Fusion of Optical and Microfabricated Eddy-Current Sensors for the Non-Destructive Detection of Grinding Burn. Advances in Science, Technology and Engineering Systems, 2021, 6, 1414-1421.	0.5	2
3	Grinding efficiency and profile accuracy of diamond grinding wheels dressed with wire electrical discharge conditioning (WEDC). International Journal of Advanced Manufacturing Technology, 2021, 117, 2163-2171.	3.0	6
4	Application of an Ultrashort-pulsed Laser for Generation of Super-hydrophobic Surfaces. Current Directions in Biomedical Engineering, 2021, 7, 527-530.	0.4	2
5	Real time In-Situ Quality Monitoring of Grinding Process using Microtechnology based Sensor Fusion. , 2020, , .		5
6	Microfabricated Eddy-Current Sensors for Non-Destructive Testing of the Micro Grinding Burn. , 2020, , .		1
7	Development of an Optical Sensor for the Non-Destructive Testing of Grinding Burn. , 2020, , .		1
8	Laser-assisted micro-milling of austenitic stainless steel X5CrNi18-10. Journal of Manufacturing Processes, 2019, 48, 174-184.	5.9	16
9	High-speed high-efficient grinding of CMCs with structured grinding wheels. International Journal of Abrasive Technology, 2019, 9, 1.	0.2	2
10	Effect of Water-Based Nanolubricants in Ultrasonic Vibration Assisted Grinding. Journal of Manufacturing and Materials Processing, 2018, 2, 80.	2.2	8
11	Microstructuring strategies of cBN grinding wheels. International Journal of Advanced Manufacturing Technology, 2017, 91, 3925-3932.	3.0	6
12	Laser conditioning and structuring of grinding tools “a review. Advances in Manufacturing, 2017, 5, 35-49.	6.1	26
13	Laser-assisted grinding of silicon nitride by picosecond laser. International Journal of Advanced Manufacturing Technology, 2017, 93, 2517-2529.	3.0	44
14	An analytical force and surface roughness model for cylindrical grinding of brittle materials. International Journal of Abrasive Technology, 2017, 8, 68.	0.2	6
15	Modelling of the micro-grinding process considering the grinding tool topography. International Journal of Abrasive Technology, 2017, 8, 157.	0.2	2
16	Modelling of the micro-grinding process considering the grinding tool topography. International Journal of Abrasive Technology, 2017, 8, 157.	0.2	1
17	Laser-Profiling of Metal-Bonded Diamond Grinding Wheels. Materials Science Forum, 2016, 874, 272-276.	0.3	2
18	FEM Based Modeling of Cylindrical Grinding Process Incorporating Wheel Topography Measurement. Procedia CIRP, 2016, 46, 201-204.	1.9	20

#	ARTICLE	IF	CITATIONS
19	Optimization and Application of Laser-Dressed cBN Grinding Wheels. <i>Advanced Materials Research</i> , 2016, 1136, 90-96.	0.3	4
20	Picosecond laser treatment of metal-bonded CBN and diamond superabrasive surfaces. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 76, 1479-1491.	3.0	34
21	Energy aspects and workpiece surface characteristics in ultrasonic-assisted cylindrical grinding of alumina-zirconia ceramics. <i>International Journal of Machine Tools and Manufacture</i> , 2015, 90, 16-28.	13.4	81
22	Conditioning of Vitrified Bond CBN Grinding Wheels Using a Picosecond Laser. <i>Advanced Materials Research</i> , 0, 1017, 573-579.	0.3	11