

Zenghua Fan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9804217/publications.pdf>

Version: 2024-02-01

13
papers

226
citations

1163117

8
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on magnetic abrasive finishing. International Journal of Advanced Manufacturing Technology, 2021, 112, 619-634.	3.0	37
2	A vacuum microgripping tool with integrated vibration releasing capability. Review of Scientific Instruments, 2014, 85, 085002.	1.3	35
3	Experimental investigations on magnetic abrasive finishing of Ti-6Al-4V using a multiple pole-tip finishing tool. International Journal of Advanced Manufacturing Technology, 2020, 106, 3071-3080.	3.0	27
4	A magnetic shear thickening media in magnetic field-assisted surface finishing. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, 234, 1069-1072.	2.4	26
5	Experimental investigation on high-shear and low-pressure grinding process for Inconel718 superalloy. International Journal of Advanced Manufacturing Technology, 2020, 107, 3425-3435.	3.0	24
6	Development of novel high-shear and low-pressure grinding tool with flexible composite. Materials and Manufacturing Processes, 2021, 36, 479-487.	4.7	19
7	Dropwise condensation on a hydrophobic probe-tip for manipulating micro-objects. Applied Physics Letters, 2015, 106, 084105.	3.3	18
8	A single-probe capillary microgripper induced by dropwise condensation and inertial release. Journal of Micromechanics and Microengineering, 2015, 25, 115011.	2.6	14
9	Effect of ultrasonic vibration on cavitation erosion of aluminum oxide in fluid jet machining. International Journal of Advanced Manufacturing Technology, 2020, 111, 2911-2918.	3.0	9
10	Micro-scale droplet deposition for micro-object self-alignment release based on water condensation. Applied Physics Letters, 2019, 114, 013703.	3.3	6
11	Flexible Magnetic Micropartners for Micromanipulation at Interfaces. ACS Applied Materials & Interfaces, 2022, 14, 22570-22581.	8.0	6
12	Capillary Forces between Concave Gripper and Spherical Particle for Micro-Objects Gripping. Micromachines, 2021, 12, 285.	2.9	5
13	A novel detection algorithm of microspheres based on Hough transform and ellipse fitting. , 2015, , .		0