

Side Flow Effect on Surface Generation in Nano Cutting

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Hard particle effect on surface generation in nano-cutting. Applied Surface Science, 2017, 425, 1020-1027.	3.1	35
2	Recent Advances in Micro/Nano-cutting: Effect of Tool Edge and Material Properties. Nanomanufacturing and Metrology, 2018, 1, 4-31.	1.5	85
3	Effects of recovery and side flow on surface generation in nano-cutting of single crystal silicon. Computational Materials Science, 2018, 143, 133-142.	1.4	53
4	Molecular Dynamics Investigation of Residual Stress and Surface Roughness of Cerium under Diamond Cutting. Micromachines, 2018, 9, 386.	1.4	12
5	Effect of Fluid Media on Material Removal and Subsurface Defects Evolution of Monocrystal Copper in Nano-Cutting Process. Nanoscale Research Letters, 2019, 14, 239.	3.1	10
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7	Effect of Machining-Induced Subsurface Defects on Dislocation Evolution and Mechanical Properties of Materials via Nano-indentation. Nanoscale Research Letters, 2019, 14, 372.	3.1	9
8	Effects of Cooling Conditions on Surface Integrity in Turning of TC4 Alloy. IOP Conference Series: Materials Science and Engineering, 2020, 735, 012035.	0.3	0
9	Atomistic Simulation Study of Nanoparticle Effect on Nano-Cutting Mechanisms of Single-Crystalline Materials. Micromachines, 2020, 11, 265.	1.4	11
10	Improving nanocutting surface quality by force-controlled rolling. Applied Nanoscience (Switzerland), 2021, 11, 763-769.	1.6	0
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12	Size effects in ultraprecision machining of aluminum alloys: Conventional AA6061-T6 and RSA 6061-T6. Journal of Manufacturing Processes, 2021, 68, 136-157.	2.8	10
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14	Influences of the workpiece material and the tool-surface engagement (TSE) on surface finishing when ball-end milling. Journal of Manufacturing Processes, 2022, 75, 219-231.	2.8	10
15	Etching behavior of ground fused silica and light enhancement modulated by surface/subsurface cracks. International Journal of Applied Glass Science, 2022, 13, 664-675.	1.0	7
16	Molecular dynamics study on surface formation and phase transformation in nanometric cutting of $\hat{\text{T}}^2\text{-Sn}$. Advances in Manufacturing, 2022, 10, 356-367.	3.2	4
17	Effects of tool geometry on tungsten removal behavior during nano-cutting. International Journal of Mechanical Sciences, 2022, 225, 107384.	3.6	21
18	Molecular dynamics study of nano-cutting mechanical properties and microstructural evolution behavior of Ni/Ni ₃ Al phase structure. Journal of Materials Research and Technology, 2022, 19, 2447-2457.	2.6	8

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19	Effects of minimum uncut chip thickness on tungsten nano-cutting mechanism. International Journal of Mechanical Sciences, 2023, 237, 107790.	3.6	11
20	Study on surface roughness model of 3D ultrasonic vibration-assisted turning driven by a single actuator. International Journal of Advanced Manufacturing Technology, 2022, 123, 4413-4426.	1.5	1
21	Molecular dynamics simulation on crystal defects of single-crystal silicon during elliptical vibration cutting. International Journal of Mechanical Sciences, 2023, 244, 108072.	3.6	10
24	Effect of cutting direction on nanomachining of copper when using a three-sided pyramidal AFM tip. , 2022, , .		0
27	Simulation of gallium phosphide cutting mechanism in ductile regime using molecular dynamics. , 2023, , .		0