

Ze Wu

List of Publications by Year in descending order

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28
papers

1,053
citations

471371

17
h-index

526166

27
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docs citations

28
times ranked

671
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of femtosecond laser-textured cutting tools deposited with WS ₂ solid lubricant coatings. <i>Surface and Coatings Technology</i> , 2013, 222, 135-143.	2.2	116
2	High friction and low wear properties of laser-textured ceramic surface under dry friction. <i>Optics and Laser Technology</i> , 2017, 93, 24-32.	2.2	93
3	Effect of surface texturing on friction properties of WC/Co cemented carbide. <i>Materials & Design</i> , 2012, 41, 142-149.	5.1	84
4	Tribological properties of dimple-textured titanium alloys under dry sliding contact. <i>Surface and Coatings Technology</i> , 2017, 309, 21-28.	2.2	84
5	Performance of the micro-texture self-lubricating and pulsating heat pipe self-cooling tools in dry cutting process. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 45, 238-248.	1.7	82
6	MoS ₂ /MXene Aerogel with Conformal Heterogeneous Interfaces Tailored by Atomic Layer Deposition for Tunable Microwave Absorption. <i>Advanced Science</i> , 2022, 9, e2101988.	5.6	76
7	Tribological behavior of textured cemented carbide filled with solid lubricants in dry sliding with titanium alloys. <i>Wear</i> , 2012, 292-293, 135-143.	1.5	69
8	Tribological characteristics and advanced processing methods of textured surfaces: a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 1241-1277.	1.5	58
9	Fabrication and characterization of micro-channels on Al ₂ O ₃ /TiC ceramic produced by nanosecond laser. <i>Ceramics International</i> , 2018, 44, 23035-23044.	2.3	56
10	Synergistic effect of surface textures and DLC coatings for enhancing friction and wear performances of Si ₃ N ₄ /TiC ceramic. <i>Ceramics International</i> , 2022, 48, 514-524.	2.3	44
11	Formation of bionic surface textures composed by micro-channels using nanosecond laser on Si ₃ N ₄ -based ceramics. <i>Ceramics International</i> , 2021, 47, 12768-12779.	2.3	41
12	LIPSS combined with ALD MoS ₂ nano-coatings for enhancing surface friction and hydrophobic performances. <i>Surface and Coatings Technology</i> , 2020, 385, 125396.	2.2	31
13	Protein-induced ultrathin molybdenum disulfide (MoS ₂) flakes for a water-based lubricating system. <i>RSC Advances</i> , 2016, 6, 113315-113321.	1.7	26
14	Design, fabrication and dry cutting performance of pulsating heat pipe self-cooling tools. <i>Journal of Cleaner Production</i> , 2016, 124, 276-282.	4.6	24
15	Analysis of tool-chip interface characteristics of self-lubricating tools with nanotextures and WS ₂ /Zr coatings in dry cutting. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 1637-1647.	1.5	24
16	Ultralow-Voltage-Drivable Artificial Muscles Based on a 3D Structure MXene-PEDOT:PSS/AgNWs Electrode. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18150-18158.	4.0	24
17	Numerical investigation of the performance of micro-textured cutting tools in cutting of Ti-6Al-4V alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 463-474.	1.5	23
18	Development and prospect of cooling technology for dry cutting tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 88, 1567-1577.	1.5	21

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19	Assessment machining of micro-channel textures on PCD by laser-induced plasma and ultra-short pulsed laser ablation. <i>Optics and Laser Technology</i> , 2020, 125, 106057.	2.2	14
20	Numerical analyses of rectangular micro-textures in hydrodynamic lubrication regime for sliding contacts. <i>Meccanica</i> , 2021, 56, 365-382.	1.2	13
21	Angle-dependent tribological properties of AlCrN coatings with microtextures induced by nanosecond laser under dry friction. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	12
22	Design, fabrication and performance evaluation of pulsating heat pipe assisted tool holder. <i>Journal of Manufacturing Processes</i> , 2020, 50, 224-233.	2.8	12
23	Ultrathin molybdenum disulfide (MoS ₂) film obtained in atomic layer deposition: A mini-review. <i>Science China Technological Sciences</i> , 2021, 64, 2347-2359.	2.0	8
24	Atomic Layer Deposition-Made MoS ₂ /ReS ₂ Nanotubes with Cylindrical Wall Heterojunctions for Ultrasensitive MiRNA-155 Detection. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10081-10091.	4.0	7
25	Improving the Performance of Micro-Textured Cutting Tools in Dry Milling of Ti-6Al-4V Alloys. <i>Micromachines</i> , 2021, 12, 945.	1.4	5
26	Fabrication and properties of micro-additive manufactured Ni-based composite coatings by short-pulsed laser. <i>Optics and Laser Technology</i> , 2022, 150, 107973.	2.2	4
27	Ultrasensitive Surface-Enhanced Raman Scattering (SERS) Detection For miRNA-182 Based on CdS/MoS ₂ @AuNPs Fabricated by Atomic Layer Deposition (ALD). <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	2
28	Power Consumption of Groove-textured Tools in Dry Milling of Titanium Alloys. , 2017, , .		0