# Youqiang Xing

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4795140/publications.pdf

Version: 2024-02-01

| | | 218592 | 223716 |
|---|---|---|---|
| 56 | 2,279 | 26 | 46 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 56 | 56 | 56 | 1313 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synergistic effect of surface textures and DLC coatings for enhancing friction and wear performances of Si3N4/TiC ceramic. Ceramics International, 2022, 48, 514-524. | 2.3 | 44 |
| 2 | Investigation of novel multiscale textures for the enhancement of the cutting performance of Al2O3/TiC ceramic cutting tools. Ceramics International, 2022, 48, 3554-3563. | 2.3 | 14 |
| 3 | MoS<sub>2</sub>/MXene Aerogel with Conformal Heterogeneous Interfaces Tailored by Atomic Layer Deposition for Tunable Microwave Absorption. Advanced Science, 2022, 9, e2101988. | 5.6 | 76 |
| 4 | Fabrication and properties of micro-additive manufactured Ni-based composite coatings by short-pulsed laser. Optics and Laser Technology, 2022, 150, 107973. | 2.2 | 4 |
| 5 | Atomic Layer Deposition-Made MoS<sub>2</sub>â€“ReS<sub>2</sub> Nanotubes with Cylindrical Wall Heterojunctions for Ultrasensitive MiRNA-155 Detection. ACS Applied Materials & Interfaces, 2022, 14, 10081-10091. | 4.0 | 7 |
| 6 | Ultrasensitive Surfaceâ€Enhanced Raman Scattering (SERS) Detection For miRNAâ€182 Based on CdS/MoS<sub>2</sub>@AuNPs Fabricated by Atomic Layer Deposition (ALD). Advanced Materials Interfaces, 2022, 9, . | 1.9 | 2 |
| 7 | Ultralow-Voltage-Drivable Artificial Muscles Based on a 3D Structure MXene-PEDOT:PSS/AgNWs Electrode. ACS Applied Materials & Interfaces, 2022, 14, 18150-18158. | 4.0 | 24 |
| 8 | Effect of Scale and Sequence of Surface Textures on the Anti-adhesive Wear Performance of PVD Coated Tool in Dry Machining SLM-Produced Stainless Steel. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 1571-1586. | 2.7 | 8 |
| 9 | Numerical analyses of rectangular micro-textures in hydrodynamic lubrication regime for sliding contacts. Meccanica, 2021, 56, 365-382. | 1.2 | 13 |
| 10 | Tribological characteristics and advanced processing methods of textured surfaces: a review. International Journal of Advanced Manufacturing Technology, 2021, 114, 1241-1277. | 1.5 | 58 |
| 11 | Formation of bionic surface textures composed by micro-channels using nanosecond laser on Si3N4-based ceramics. Ceramics International, 2021, 47, 12768-12779. | 2.3 | 41 |
| 12 | Ultrathin molybdenum disulfide (MoS2) film obtained in atomic layer deposition: A mini-review. Science China Technological Sciences, 2021, 64, 2347-2359. | 2.0 | 8 |
| 13 | Improving the Performance of Micro-Textured Cutting Tools in Dry Milling of Ti-6Al-4V Alloys. Micromachines, 2021, 12, 945. | 1.4 | 5 |
| 14 | INFLUENCE OF POST-LASER PROCESSING ON THE MECHANICAL AND TRIBOLOGICAL PROPERTIES OF PVD TiAlN COATINGS. Surface Review and Letters, 2020, 27, 1950137. | 0.5 | 0 |
| 15 | Design, fabrication and performance evaluation of pulsating heat pipe assisted tool holder. Journal of Manufacturing Processes, 2020, 50, 224-233. | 2.8 | 12 |
| 16 | The design and performance evaluation of assisted chip removal system in helical milling of CFRP/Ti stacks. International Journal of Advanced Manufacturing Technology, 2020, 108, 1297-1308. | 1.5 | 3 |
| 17 | Numerical investigation of the performance of micro-textured cutting tools in cutting of Ti-6Al-4V alloys. International Journal of Advanced Manufacturing Technology, 2020, 108, 463-474. | 1.5 | 23 |
| 18 | Assessment machining of micro-channel textures on PCD by laser-induced plasma and ultra-short pulsed laser ablation. Optics and Laser Technology, 2020, 125, 106057. | 2.2 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | LIPSS combined with ALD MoS2 nano-coatings for enhancing surface friction and hydrophobic performances. Surface and Coatings Technology, 2020, 385, 125396. | 2.2 | 31 |
| 20 | Comparative assessment of picosecond laser induced plasma micromachining using still and flowing water. Optics and Laser Technology, 2019, 119, 105623. | 2.2 | 24 |
| 21 | Fabrication of micro-channels on Al2O3/TiC ceramics using picosecond laser induced plasma micromachining. Journal of Manufacturing Processes, 2019, 44, 102-112. | 2.8 | 18 |
| 22 | Fabrication of coated tool with femtosecond laser pretreatment and its cutting performance in dry machining SLM-produced stainless steel. Journal of Manufacturing Processes, 2019, 42, 28-40. | 2.8 | 24 |
| 23 | Characterization of green Al 2 O 3 ceramics surface machined by tools with textures on flankâ€face in dry turning. International Journal of Applied Ceramic Technology, 2019, 16, 1159-1172. | 1.1 | 6 |
| 24 | Angle-dependent tribological properties of AlCrN coatings with microtextures induced by nanosecond laser under dry friction. Applied Physics A: Materials Science and Processing, 2018, 124, 1. | 1.1 | 12 |
| 25 | Fabrication and characterization of micro-channels on Al2O3/TiC ceramic produced by nanosecond laser. Ceramics International, 2018, 44, 23035-23044. | 2.3 | 56 |
| 26 | Fabrication of ordered hierarchical structures on stainless steel by picosecond laser for modified wettability applications. Optics Express, 2018, 26, 18998. | 1.7 | 21 |
| 27 | Micro-channels machining on polycrystalline diamond by nanosecond laser. Optics and Laser Technology, 2018, 108, 333-345. | 2.2 | 38 |
| 28 | Analysis of tool-chip interface characteristics of self-lubricating tools with nanotextures and WS2/Zr coatings in dry cutting. International Journal of Advanced Manufacturing Technology, 2018, 97, 1637-1647. | 1.5 | 24 |
| 29 | Assessment in drilling of C/C-SiC composites using brazed diamond drills. Journal of Manufacturing Processes, 2017, 26, 31-43. | 2.8 | 51 |
| 30 | High friction and low wear properties of laser-textured ceramic surface under dry friction. Optics and Laser Technology, 2017, 93, 24-32. | 2.2 | 93 |
| 31 | Tribological properties of dimple-textured titanium alloys under dry sliding contact. Surface and Coatings Technology, 2017, 309, 21-28. | 2.2 | 84 |
| 32 | Experimental Assessment of Laser Textured Cutting Tools in Dry Cutting of Aluminum Alloys. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2016, 138, . | 1.3 | 61 |
| 33 | Ultrasonic elliptical vibration texturing of the rake face of carbide cutting tools for adhesion reduction. International Journal of Advanced Manufacturing Technology, 2016, 85, 2669-2679. | 1.5 | 13 |
| 34 | Fabrication and dry cutting performance of Si3N4/TiC ceramic tools reinforced with the PVD WS2/Zr soft-coatings. Ceramics International, 2015, 41, 10261-10271. | 2.3 | 32 |
| 35 | Effect of overlap and overscan number in laser surface texturing of medical needles. Applied Physics A: Materials Science and Processing, 2015, 120, 229-238. | 1.1 | 20 |
| 36 | Periodic nano-ripples structures fabricated on WC/Co based TiAlN coatings by femtosecond pulsed laser. Surface Engineering, 2015, 31, 271-281. | 1.1 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Fabrication and tribological behaviors of corner-cube-like dimple arrays produced by laser surface texturing on medical needles. Tribology International, 2015, 92, 553-558. | 3.0 | 35 |
| 38 | Effect of laser surface textures combined with multi-solid lubricant coatings on the tribological properties of Al2O3/TiC ceramic. Wear, 2015, 342-343, 1-12. | 1.5 | 53 |
| 39 | Effect of microscale texture on cutting performance of WC/Co-based TiAlN coated tools under different lubrication conditions. Applied Surface Science, 2015, 326, 107-118. | 3.1 | 127 |
| 40 | Studies on thermal shock resistance of TiN and TiAlN coatings under pulsed laser irradiation. Surface Engineering, 2014, 30, 195-203. | 1.1 | 11 |
| 41 | Effect of femtosecond laser pretreatment on wear resistance of Al2O3/TiC ceramic tools in dry cutting. International Journal of Refractory Metals and Hard Materials, 2014, 43, 291-301. | 1.7 | 45 |
| 42 | Multiple nanoscale parallel grooves formed on Si3N4/TiC ceramic by femtosecond pulsed laser. Applied Surface Science, 2014, 289, 62-71. | 3.1 | 25 |
| 43 | Cutting performance and wear mechanism of nanoscale and microscale textured Al2O3/TiC ceramic tools in dry cutting of hardened steel. International Journal of Refractory Metals and Hard Materials, 2014, 43, 46-58. | 1.7 | 175 |
| 44 | Fabrication and tribological properties of Al 2 O 3 /TiC ceramic with nano-textures and WS 2 /Zr soft-coatings. Surface and Coatings Technology, 2014, 258, 699-710. | 2.2 | 41 |
| 45 | Cutting performance and wear characteristics of Al2O3/TiC ceramic cutting tools with WS2/Zr soft-coatings and nano-textures in dry cutting. Wear, 2014, 318, 12-26. | 1.5 | 78 |
| 46 | Preparation and cutting performance of WS2 soft-coated tools. International Journal of Advanced Manufacturing Technology, 2013, 67, 1027-1033. | 1.5 | 21 |
| 47 | Performance of femtosecond laser-textured cutting tools deposited with WS2 solid lubricant coatings. Surface and Coatings Technology, 2013, 222, 135-143. | 2.2 | 116 |
| 48 | Effect of laser surface texturing on Si3N4/TiC ceramic sliding against steel under dry friction. Materials & Design, 2013, 52, 234-245. | 5.1 | 168 |
| 49 | Effect of regular surface textures generated by laser on tribological behavior of Si3N4/TiC ceramic. Applied Surface Science, 2013, 265, 823-832. | 3.1 | 75 |
| 50 | Periodic and uniform nanogratings formed on cemented carbide by femtosecond laser scanning. Applied Surface Science, 2013, 282, 518-524. | 3.1 | 9 |
| 51 | Femtosecond pulsed laser nanotexturing of Al<sub>2</sub>O<sub>3</sub>/TiC ceramic. Laser Physics, 2013, 23, 066002. | 0.6 | 9 |
| 52 | Effect of surface textures on friction properties of Al<sub>2</sub>O<sub>3</sub>/TiC ceramics. Surface Engineering, 2012, 28, 605-611. | 1.1 | 17 |
| 53 | Friction and wear behavior of the PVD (Zr,Ti)N coated cemented carbide against 40Cr hardened steel. International Journal of Refractory Metals and Hard Materials, 2012, 35, 213-220. | 1.7 | 33 |
| 54 | Erosion wear of CrN, TiN, CrAlN, and TiAlN PVD nitride coatings. International Journal of Refractory Metals and Hard Materials, 2012, 35, 10-16. | 1.7 | 151 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Unlubricated friction and wear behaviors of Al2O3/TiC ceramic cutting tool materials from high temperature tribological tests. International Journal of Refractory Metals and Hard Materials, 2012, 35, 17-26. | 1.7 | 35 |
| 56 | Effect of surface texturing on friction properties of WC/Co cemented carbide. Materials & Design, 2012, 41, 142-149. | 5.1 | 84 |