

Shuai Yan

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

142
citations

1163117

8
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

151
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Aqueous lubrication and surface microstructures of engineering polymer materials (PEEK and PI) when sliding against Si ₃ N ₄ . Friction, 2017, 5, 414-428. | 6.4 | 32 |
| 2 | Effects of nonlinear damping suspension on nonperiodic motions of a flexible rotor in journal bearings. Nonlinear Dynamics, 2014, 78, 1435-1450. | 5.2 | 23 |
| 3 | Friction and wear of self-mated SiC and Si ₃ N ₄ in green water-based lubricant. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1067-1072. | 2.2 | 21 |
| 4 | Chatter prediction for milling of flexible pocket-structure. International Journal of Advanced Manufacturing Technology, 2017, 89, 2721-2730. | 3.0 | 13 |
| 5 | Numerical simulation and experimental validation of fixed abrasive grinding pad topography. International Journal of Advanced Manufacturing Technology, 2016, 83, 1253-1264. | 3.0 | 11 |
| 6 | Effect of micrometer sized ceramic particles on the tribological properties of Polytetrafluoroethylene based composites. Surface Topography: Metrology and Properties, 2020, 8, 035005. | 1.6 | 10 |
| 7 | Friction and wear resistance of polytetrafluoroethylene-based composites reinforced with ceramic particles under aqueous environment. Surface Topography: Metrology and Properties, 2020, 8, 015006. | 1.6 | 10 |
| 8 | Hydrogen ion induced ultralow wear of PEEK under extreme load. Applied Physics Letters, 2018, 112, . | 3.3 | 9 |
| 9 | Study on Lubrication and Friction Reduction Properties of ZIF-8 Nanoparticles as Si ₃ N ₄ Ceramic Water Lubrication Additives. Frontiers in Chemistry, 2021, 9, 802375. | 3.6 | 8 |
| 10 | Dependency of the structure of a water layer sandwiched by silicon carbide on shear speed and temperature. Journal of Physics Condensed Matter, 2020, 33, 095001. | 1.8 | 4 |
| 11 | Application of mirror-milling machining system to suppress vibration in thin plate work-piece. , 2016, , . | | 1 |
| 12 | Evaluation of the tribological properties of two PEEKs sliding against Al ₂ O ₃ , WC and DLC coatings under dry friction and water lubrication. Surface Topography: Metrology and Properties, 2021, 9, 045027. | 1.6 | 0 |