

# Shuiquan Huang

## List of Publications by Year in descending order

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31  
papers

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citations

394421

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434195

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docs citations

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times ranked

631  
citing authors

#	ARTICLE	IF	CITATIONS
1	Friction and Wear Characteristics of Aqueous ZrO <sub>2</sub> /GO Hybrid Nanolubricants. <i>Lubricants</i> , 2022, 10, 109.	2.9	9
2	Effects of an Electrical Double Layer and Tribo-Induced Electric Field on the Penetration and Lubrication of Water-Based Lubricants. <i>Lubricants</i> , 2022, 10, 111.	2.9	4
3	Tribological performance of zeolite/sodium dodecylbenzenesulfonate hybrid water-based lubricants. <i>Applied Surface Science</i> , 2022, 598, 153764.	6.1	2
4	A novel lapping process for single-crystal sapphire using hybrid nanoparticle suspensions. <i>International Journal of Mechanical Sciences</i> , 2021, 191, 106099.	6.7	26
5	Ultra-precision grinding of Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> crystals with graphene oxide coolant: Material deformation mechanism and performance evaluation. <i>Journal of Manufacturing Processes</i> , 2021, 61, 417-427.	5.9	77
6	Roughness-dependent tribological characteristics of water-based GO suspensions with ZrO <sub>2</sub> and TiO <sub>2</sub> nanoparticles as additives. <i>Tribology International</i> , 2021, 161, 107073.	5.9	16
7	Polishing performance and mechanism of a water-based nanosuspension using diamond particles and GO nanosheets as additives. <i>Tribology International</i> , 2021, 164, 107241.	5.9	12
8	Water-based nanosuspensions: Formulation, tribological property, lubrication mechanism, and applications. <i>Journal of Manufacturing Processes</i> , 2021, 71, 625-644.	5.9	39
9	Machining characteristics and mechanism of GO/SiO <sub>2</sub> nanoslurries in fixed abrasive lapping. <i>Journal of Materials Processing Technology</i> , 2020, 277, 116444.	6.3	26
10	Laser deposition of wear-resistant titanium oxynitride/titanium composite coatings on Ti-6Al-4V alloy. <i>Applied Surface Science</i> , 2020, 531, 147212.	6.1	34
11	Eco-Friendly Water-Based Nanolubricants for Industrial-Scale Hot Steel Rolling. <i>Lubricants</i> , 2020, 8, 96.	2.9	18
12	Novel water-based nanolubricant with superior tribological performance in hot steel rolling. <i>International Journal of Extreme Manufacturing</i> , 2020, 2, 025002.	12.7	24
13	Oxidation Behaviour of Steel During hot Rolling by Using TiO <sub>2</sub> -Containing Water-Based Nanolubricant. <i>Oxidation of Metals</i> , 2019, 92, 315-335.	2.1	9
14	Capillary penetration mechanism and machining characteristics of lubricant droplets in electrostatic minimum quantity lubrication (EMQL) grinding. <i>Journal of Manufacturing Processes</i> , 2019, 45, 571-578.	5.9	15
15	Effect of water-based nanolubricant containing nano-TiO <sub>2</sub> on friction and wear behaviour of chrome steel at ambient and elevated temperatures. <i>Wear</i> , 2019, 426-427, 792-804.	3.1	32
16	Synergistic tribological performance of a water based lubricant using graphene oxide and alumina hybrid nanoparticles as additives. <i>Tribology International</i> , 2019, 135, 170-180.	5.9	61
17	Performance evaluation of graphene oxide nanosheet water coolants in the grinding of semiconductor substrates. <i>Precision Engineering</i> , 2019, 60, 291-298.	3.4	14
18	Tribological Characteristics of Aqueous Graphene Oxide, Graphitic Carbon Nitride, and Their Mixed Suspensions. <i>Tribology Letters</i> , 2018, 66, 1.	2.6	32

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19	Effects of Machining and Oil Mist Parameters on Electrostatic Minimum Quantity Lubrication (EMQL) Turning Process. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2018, 5, 317-326.	4.9	39
20	Tribological and machining characteristics of a minimum quantity lubrication (MQL) technology using GO/SiO <sub>2</sub> hybrid nanoparticle water-based lubricants as cutting fluids. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 2931-2942.	3.0	54
21	Experimental evaluation on the effect of electrostatic minimum quantity lubrication (EMQL) in end milling of stainless steels. <i>Machining Science and Technology</i> , 2018, 22, 271-286.	2.5	22
22	Enhanced machining performance and lubrication mechanism of electrostatic minimum quantity lubrication-EMQL milling process. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 655-666.	3.0	23
23	Friction and wear characteristics of TiO <sub>2</sub> nano-additive water-based lubricant on ferritic stainless steel. <i>Tribology International</i> , 2018, 117, 24-38.	5.9	126
24	Tribological and machining characteristics of an electrostatic minimum quantity lubrication (EMQL) technology using graphene nano-lubricants as cutting fluids. <i>Journal of Manufacturing Processes</i> , 2018, 34, 225-237.	5.9	68
25	Performance Evaluation and Lubrication Mechanism of Water-Based Nanolubricants Containing Nano-TiO <sub>2</sub> in Hot Steel Rolling. <i>Lubricants</i> , 2018, 6, 57.	2.9	26
26	Tribological Performance and Lubrication Mechanism of Alumina Nanoparticle Water-Based Suspensions in Ball-on-Three-Plate Testing. <i>Tribology Letters</i> , 2017, 65, 1.	2.6	56
27	The pH-dependent structural and tribological behaviour of aqueous graphene oxide suspensions. <i>Tribology International</i> , 2017, 116, 460-469.	5.9	49
28	A study on process parameters in end milling of AISI-304 stainless steel under electrostatic minimum quantity lubrication conditions. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 90, 979-989.	3.0	42
29	Grinding performance and self-lubrication mechanism of phenolic resin-bonded grinding wheel filled with inclusion complex of $\beta$ -cyclodextrin and dialkyl pentasulfide. <i>Journal of Materials Processing Technology</i> , 2015, 221, 163-171.	6.3	15
30	Tribological evaluation of contact-charged electrostatic spray lubrication as a new near-dry machining technique. <i>Tribology International</i> , 2015, 91, 74-84.	5.9	36
31	Tribological Performance and Lubrication Mechanism of Contact-Charged Electrostatic Spray Lubrication Technique. <i>Tribology Letters</i> , 2015, 59, 1.	2.6	16