

# Zhongliang Xie

## List of Publications by Year in descending order

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22  
papers

634  
citations

623734

14  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical and experimental research on the micro interface lubrication regime of water lubricated bearing. <i>Mechanical Systems and Signal Processing</i> , 2021, 151, 107422.	8.0	78
2	Theoretical and experimental exploration on the micro asperity contact load ratios and lubrication regimes transition for water-lubricated stern tube bearing. <i>Tribology International</i> , 2021, 164, 107105.	5.9	77
3	Theoretical and experimental investigation on the influences of misalignment on the lubrication performances and lubrication regimes transition of water lubricated bearing. <i>Mechanical Systems and Signal Processing</i> , 2021, 149, 107211.	8.0	76
4	An investigation on the lubrication characteristics of floating ring bearing with consideration of multi-coupling factors. <i>Mechanical Systems and Signal Processing</i> , 2022, 162, 108086.	8.0	65
5	Theoretical and experimental exploration into the fluid structure coupling dynamic behaviors towards water-lubricated bearing with axial asymmetric grooves. <i>Mechanical Systems and Signal Processing</i> , 2022, 168, 108624.	8.0	64
6	Experimental research on the interface lubrication regimes transition of water lubricated bearing. <i>Mechanical Systems and Signal Processing</i> , 2020, 136, 106522.	8.0	37
7	Investigation on effects of Fluid-Structure-Interaction (FSI) on the lubrication performances of water lubricated bearing in primary circuit loop system of nuclear power plant. <i>Annals of Nuclear Energy</i> , 2020, 141, 107355.	1.8	31
8	Development of a semi-active dynamic vibration absorber for longitudinal vibration of propulsion shaft system based on magnetorheological elastomer. <i>Smart Materials and Structures</i> , 2017, 26, 075009.	3.5	30
9	Investigations on transitions of lubrication states for water lubricated bearing. Part II: further insight into the film thickness ratio $\lambda$ . <i>Industrial Lubrication and Tribology</i> , 2016, 68, 416-429.	1.3	24
10	Theoretical and experimental research on the friction coefficient of water lubricated bearing with consideration of wall slip effects. <i>Mechanics and Industry</i> , 2016, 17, 106.	1.3	23
11	Investigations on transitions of lubrication states for water lubricated bearing. Part I: determination of friction coefficients and film thickness ratios. <i>Industrial Lubrication and Tribology</i> , 2016, 68, 404-415.	1.3	22
12	Dynamic characteristics analysis of the hydro-hybrid liquid Sodium lubricated bearing-rotor coupled system in the two-circuit main loop liquid sodium pump system. <i>Annals of Nuclear Energy</i> , 2020, 136, 107059.	1.8	21
13	Investigation on the lubrication regimes and dynamic characteristics of hydro-hybrid bearing of two-circuit main loop liquid sodium pump system. <i>Annals of Nuclear Energy</i> , 2018, 115, 220-232.	1.8	18
14	Effect of Surface Topography and Structural Parameters on the Lubrication Performance of a Water-Lubricated Bearing: Theoretical and Experimental Study. <i>Coatings</i> , 2019, 9, 23.	2.6	17
15	Analysis of the flow noises of the nuclear main pump caused by the high temperature liquid Sodium in the two-circuit main loop liquid Sodium pump system. <i>Annals of Nuclear Energy</i> , 2020, 145, 107550.	1.8	12
16	Rotor dynamic analysis of the vertical hydro-hybrid bearing rotor coupled system of a two-circuit main loop liquid Sodium pump system. <i>Annals of Nuclear Energy</i> , 2021, 155, 108139.	1.8	12
17	The Oxidation Behaviors of Indefinite Chill Roll and High Speed Steel Materials. <i>Metals</i> , 2020, 10, 1095.	2.3	7
18	Investigation on the stability and anti-eccentric load margin of a novel structure bearing lubricated by low viscosity medium. <i>Science China Technological Sciences</i> , 2022, 65, 1613-1633.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Friction and Wear Properties of a Nanoscale Ionic Liquid-like GO@SiO <sub>2</sub> Hybrid as a Water-Based Lubricant Additive. <i>Lubricants</i> , 2022, 10, 125.	2.9	6
20	5-Bit Spiral Distributed RF MEMS Phase Shifter. , 2019, , .		5
21	An insight into the flow field characteristics of the high temperature liquid Sodium (Na) with cavitation effects in the 600ÂMW fast reactor system. <i>Annals of Nuclear Energy</i> , 2022, 165, 108706.	1.8	3
22	Analysis of the Interface Lubrication Performances of Water Lubrication Bearing. , 2020, , .		0