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Polymeric materials for water-lubricated plain bearings

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#	Paper	IF	Citations
49	On the friction and wear of carbon nanofiber-reinforced PEEK-based polymer composites. <i>Tribology and Interface Engineering Series</i> , 2008 , 149-208		6
48	Tribological behavior of polyoxymethylene in water-lubricated friction against steel. <i>Journal of Friction and Wear</i> , 2011 , 32, 246-250	0.9	7
47	Environmental Friendly Ship Propulsion System: Case of Aft Stern Tube Bearing. 2012 ,		1
46	Prediction of wear rate by friction of irradiated thermoplastic polymers in fluids. <i>Journal of Friction and Wear</i> , 2012 , 33, 282-287	0.9	
45	Polymeric nanocomposites containing non-covalently bonded fullerene C60: properties and applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9427		54
44	Seawater lubricated polymer journal bearings for use in wave energy converters. <i>Renewable Energy</i> , 2012 , 39, 463-470	8.1	10
43	On the friction and wear of carbon nanofiber-reinforced PEEK-based polymer composites. 2013 , 227-305		
42	Tribological behaviour of polymeric materials in water-lubricated contacts. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2013 , 227, 811-825	1.4	29
41	Design and Materials Selection for Environmentally Friendly Ship Propulsion System. <i>Strojnikski Vestnik/Journal of Mechanical Engineering</i> , 2013 , 59, 25-31	1.3	8
40	Water-Lubricated Sintered Bronze Journal Bearings—Theoretical and Experimental Research. <i>Tribology Transactions</i> , 2014 , 57, 114-122	1.8	28
39	Comparison of the Lubrication Performances of Water-Lubricated and Oil-Lubricated Plain Journal Bearings. <i>Applied Mechanics and Materials</i> , 2014 , 711, 27-30	0.3	3
38	Researches on Friction Performance of Water-Lubricated Polymer Composite Journal Bearings Based on Experiments. <i>Applied Mechanics and Materials</i> , 2014 , 711, 57-60	0.3	
37	Experimental and numerical study on water-lubricated rubber bearings. <i>Industrial Lubrication and Tribology</i> , 2014 , 66, 282-288	1.3	23
36	Enhancement on interlaminar shear strength and tribological properties in water of ultra high molecular weight polyethylene/glass fabric/phenolic laminate composite by surface modification of fillers. <i>Materials & Design</i> , 2014 , 55, 805-811		20
35	Effect of UHMWPE Microparticles on the Tribological Performances of High-Strength Glass Fabric/Phenolic Laminate Composites Under Water Lubrication. <i>Tribology Letters</i> , 2014 , 55, 253-260	2.8	11
34	Combined effects of fiber/matrix interface and water absorption on the tribological behaviors of water-lubricated polytetrafluoroethylene-based composites reinforced with carbon and basalt fibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014 , 59, 85-92	8.4	49
33	Enhancement on interlaminar shear strength and water-lubricated tribological performance of high-strength glass fabric/phenolic laminate by the incorporation of carbon nanotubes. <i>Polymers for Advanced Technologies</i> , 2014 , 25, 1572-1579	3.2	8

32	Wear and friction of composites of an epoxy with boron containing wastes. <i>Polimeros</i> , 2015 , 25, 271-276	1.6	10
31	Physical and Mechanical Properties of Polymer Composites with High Content of Wastes Including Boron. <i>Materials Research</i> , 2015 , 18, 1188-1196	1.5	34
30	Synergism of Poly(p-phenylene benzobisoxazole) Microfibers and Carbon Nanofibers on Improving the Wear Resistance of Polyimide Matrix Composites in Sea Water. <i>Tribology Letters</i> , 2015 , 57, 1	2.8	6
29	Properties comparison of rubber and three layer PTFE-NBR-bronze water lubricated bearings with lubricating grooves along entire bush circumference based on experimental tests. <i>Tribology International</i> , 2015 , 90, 404-411	4.9	27
28	Comparative Investigation on the Friction and Wear Behaviors of Carbon Fabric Reinforced Phenolic Composites under Seawater Lubrication. <i>Tribology Transactions</i> , 2015 , 58, 140-147	1.8	15
27	Experimental research on water lubricated three layer sliding bearing with lubrication grooves in the upper part of the bush and its comparison with a rubber bearing. <i>Tribology International</i> , 2015 , 82, 153-161	4.9	55
26	Effects of nano-sized and micro-sized carbon fibers on the interlaminar shear strength and tribological properties of high strength glass fabric/phenolic laminate in water environment. <i>Composites Part B: Engineering</i> , 2015 , 68, 92-99	10	23
25	Chemical modification on UHMWPE microparticles to improve the interfacial and tribological properties of UHMWPE/carbon fabric/phenolic laminate in water environment. <i>Surface and Interface Analysis</i> , 2016 , 48, 40-46	1.5	6
24	Combined Effect of Chemical Surface Treatment of Kevlar Fabric and PTFE Fillers on the Water-Involved Tribological Performance of Kevlar Fabric/Phenolic Laminate. <i>Tribology Transactions</i> , 2016 , 59, 385-390	1.8	7
23	Combined Effect of Nano-SiO ₂ and Nano-Al ₂ O ₃ on Improving the Tribological Properties of Kevlar Fabric/Phenolic Laminate in Water. <i>Tribology Transactions</i> , 2016 , 59, 163-169	1.8	7
22	UHMWPE Hybrid Nanocomposites for Improved Tribological Performance Under Dry and Water-Lubricated Sliding Conditions. <i>Tribology Letters</i> , 2017 , 65, 1	2.8	24
21	Surface functionalizing effect of fillers on the tribological properties of MWCNT reinforcement HSGFs/phenolic laminate composites under water lubrication. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 767-774	3.2	2
20	Effect of Hygrothermal Ageing on Tribological Behaviour of PTFE-Based Composites. <i>Lubricants</i> , 2018 , 6, 103	3.1	1
19	Tribological properties of poly(phthalazione ether sulfone ketone) composites reinforced with glass fabric modified by graphene oxide depositing. <i>Surface and Interface Analysis</i> , 2018 , 50, 667-673	1.5	4
18	Tribological performance of hygrothermally aged UHMWPE hybrid composites. <i>Tribology International</i> , 2019 , 138, 150-156	4.9	17
17	Fullerene-Containing Lubricants: Achievements and Prospects. <i>Petroleum Chemistry</i> , 2020 , 60, 113-133	1.1	4
16	A strategy that combines a hydrogel and graphene oxide to improve the water-lubricated performance of ultrahigh molecular weight polyethylene. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 141, 106207	8.4	11
15	A novel approach to investigate temperature field evolution of water lubricated stern bearings (WLSBs) under hydrodynamic lubrication. <i>Advances in Mechanical Engineering</i> , 2021 , 13, 168781402199296	1.2	1

14	Preparation and tribological behavior of polytetrafluoroethylene/metal mesh composites with sandwich structure. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50803	2.9	0
13	Production and tribological evaluation of polypropylene nanocomposites with reduced graphene oxide (rGO) for using in water-lubricated bearings. <i>Wear</i> , 2021 , 477, 203860	3.5	0
12	Friction and wear behaviours of polyacrylamide hydrogel microsphere/UHMWPE composite under water lubrication. <i>Wear</i> , 2021 , 477, 203841	3.5	2
11	Abrasive wear performance of hygrothermally aged glass/PTFE composites. <i>Polymer Testing</i> , 2021 , 103, 107369	4.5	2
10	An eco-impact design metric for water lubricated bearings based on anticipatory Life Cycle Assessment. <i>Journal of Cleaner Production</i> , 2021 , 321, 128874	10.3	4
9	Effect of Film Thickness on Load-Carrying Property of Seawater Dynamic-Hydrostatic Hybrid Thrust Bearing. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 59-65	0.4	
8	Role of graphene oxide on the tribological properties of CF reinforcement high strength glass fabric/phenolic laminate composites in water environment. <i>Industrial Lubrication and Tribology</i> , 2020 , 72, 873-879	1.3	1
7	Experimental Research on Insufficient Water Lubrication of Marine Stern Tube Journal Bearing with Elastic Polymer Bush. <i>Polish Maritime Research</i> , 2020 , 27, 91-102	1.7	7
6	Superhydrophobic Lubrication: Gas-Liquid Bilayer Reduces the Friction Between Two Solids. <i>Advanced Materials Interfaces</i> , 2102132	4.6	1
5	Study on microstructure and tribological properties of hierarchical 3D braid applicable in heavy operating tribology conditions. <i>Polymer Composites</i> ,	3	0
4	Water lubrication assisted by small-quantity silicone oil. <i>Tribology International</i> , 2022 , 107619	4.9	0
3	Research on temperature field during the hot pressing process of UHMWPE-based water-lubricated bearing. 1-11		0
2	The Investigation of Production Parameters and Their Effect on the Tribomechanical Properties of the Compression Molded Polymeric Bearing Materials.		0
1	MoS ₂ reinforced PEEK composite for improved aqueous boundary lubrication.		0