

Influence of tribology on global energy consumption, co

Friction

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Structural superlubricity of platinum on graphite under ambient conditions: The effects of chemistry and geometry. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	23
2	Superlubricity: Friction's vanishing act. <i>Physics Today</i> , 2018, 71, 40-46.	0.3	73
3	Improvement of Load Bearing Capacity of Nanoscale Superlow Friction by Synthesized Fluorinated Surfactant Micelles. <i>ACS Applied Nano Materials</i> , 2018, 1, 953-959.	2.4	8
4	Ultralow Friction Between Steel Surfaces Achieved by Lubricating with Liquid Crystal After a Running-in Process with Acetylacetone. <i>Tribology Letters</i> , 2018, 66, 1.	1.2	17
5	Understanding the synergistic lubrication effect of 2-mercaptobenzothiazolate based ionic liquids and Mo nanoparticles as hybrid additives. <i>Tribology International</i> , 2018, 125, 39-45.	3.0	45
6	Advances in nonequilibrium molecular dynamics simulations of lubricants and additives. <i>Friction</i> , 2018, 6, 349-386.	3.4	118
7	Performance and mechanisms of silicate tribofilm in heavily loaded rolling/sliding non-conformal contacts. <i>Tribology International</i> , 2018, 123, 130-141.	3.0	13
8	Direct Formation of Lubricious and Wear-Protective Carbon Films from Phosphorus- and Sulfur-Free Oil-Soluble Additives. <i>Tribology Letters</i> , 2018, 66, 1.	1.2	50
9	Tribochemical Processes in a Phenol Formaldehyde Polymer Modified by Polyformaldehyde Copolymer. <i>Journal of Friction and Wear</i> , 2018, 39, 462-468.	0.1	1
10	Evaluation of the Physical and Mechanical Characteristics of Ion-Plasma Antifriction Coatings Based on Ti-Cu. <i>Key Engineering Materials</i> , 0, 788, 59-67.	0.4	4
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14	Emerging superlubricity: A review of the state of the art and perspectives on future research. <i>Applied Physics Reviews</i> , 2018, 5, .	5.5	138
15	Molecular Dynamics Investigation of Graphene Nanoplate Diffusion Behavior in Poly- α -Olefin Lubricating Oil. <i>Crystals</i> , 2018, 8, 361.	1.0	11
16	Experimentally Calibrated Abrasive Sliding Wear Model: Demonstrations for Rotary and Linear Wear Systems. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2018, 85, .	1.1	2
17	Friction reduction through biologically inspired scale-like laser surface textures. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2561-2572.	1.5	43
18	Macroscale Superlubricity Enabled by the Synergy Effect of Graphene-Oxide Nanoflakes and Ethanediol. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40863-40870.	4.0	131

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21	Comparison of Hertzian and JKR theories with a finite element model in boundary lubrication conditions between a compression ring and a cylinder. MATEC Web of Conferences, 2018, 188, 04009.	0.1	0
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38	Simulating Surfactantâ€™Iron Oxide Interfaces: From Density Functional Theory to Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6870-6881.	1.2	28
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40	Problems in Friction Analysis. <i>Mechanisms and Machine Science</i> , 2019, , 3779-3788.	0.3	0
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