

Ke Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6639985/publications.pdf>

Version: 2024-02-01

22
papers

759
citations

687220

13
h-index

713332

21
g-index

23
all docs

23
docs citations

23
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Separators for Lithium-Ion and Lithium-Sulfur Batteries: A Review of Recent Progress. ChemSusChem, 2016, 9, 3023-3039.	3.6	299
2	Self-assembled Nafion®/metal oxide nanoparticles hybrid proton exchange membranes. Journal of Membrane Science, 2010, 347, 26-31.	4.1	88
3	Friction reduction and viscosity modification of cellulose nanocrystals as biolubricant additives in polyalphaolefin oil. Carbohydrate Polymers, 2019, 220, 228-235.	5.1	51
4	Triazole End-Grafting on Cellulose Nanocrystals for Water-Redispersion Improvement and Reactive Enhancement to Nanocomposites. ACS Sustainable Chemistry and Engineering, 2018, 6, 14888-14900.	3.2	43
5	Ultralow Friction of Steel Surfaces Using a 1,3-Diketone Lubricant in the Thin Film Lubrication Regime. Langmuir, 2015, 31, 11033-11039.	1.6	35
6	Ultralow Friction Induced by Tribochemical Reactions: A Novel Mechanism of Lubrication on Steel Surfaces. Langmuir, 2013, 29, 5207-5213.	1.6	30
7	Activating the hydrogen evolution activity of Pt electrode via synergistic interaction with NiS ₂ . Journal of Colloid and Interface Science, 2021, 582, 591-597.	5.0	29
8	Superlubricity of 1,3-diketone based on autonomous viscosity control at various velocities. Tribology International, 2018, 126, 127-132.	3.0	27
9	On the Lubrication Mechanism of Surfaces Covered with Surface-Attached Hydrogels. Macromolecular Chemistry and Physics, 2016, 217, 526-536.	1.1	23
10	XPS and ToF-SIMS analysis of the tribochemical absorbed films on steel surfaces lubricated with diketone. Tribology International, 2019, 130, 184-190.	3.0	21
11	1,3-Diketone Fluids and Their Complexes with Iron. Journal of Physical Chemistry A, 2013, 117, 3369-3376.	1.1	17
12	Macroscopic Superlow Friction of Steel and Diamond-Like Carbon Lubricated with a Formanisotropic 1,3-Diketone. ACS Omega, 2017, 2, 8330-8342.	1.6	17
13	Anti-spreading behavior of 1,3-diketone lubricating oil on steel surfaces. Tribology International, 2018, 121, 108-113.	3.0	14
14	Investigation of ultra-low friction on steel surfaces with diketone lubricants. RSC Advances, 2018, 8, 9402-9408.	1.7	12
15	Chemical grafting fluoropolymer on cellulose nanocrystals and its rheological modification to perfluoropolyether oil. Carbohydrate Polymers, 2022, 276, 118802.	5.1	10
16	Tribological behavior of cellulose nanocrystal as an eco-friendly additive in lithium-based greases. Carbohydrate Polymers, 2022, 290, 119478.	5.1	10
17	Ultralow friction of 5CB liquid crystal on steel surfaces using a 1,3-diketone additive. Wear, 2021, 480-481, 203934.	1.5	8
18	Evaluation of 1,3-diketone as a novel friction modifier for lubricating oils. Wear, 2020, 452-453, 203299.	1.5	6

#	ARTICLE	IF	CITATIONS
19	Investigation of ionic liquids with and without graphene as lubricant additive for metal/metal and metal/ PEEK contacts over a wide temperature range. <i>Lubrication Science</i> , 2021, 33, 100-111.	0.9	6
20	EX SITU DEGRADATION OF SILICONE RUBBERS WITH DIFFERENT HARDNESS IN A CATHODE OUTLET SOLUTION OF PEMFC. <i>Rubber Chemistry and Technology</i> , 2015, 88, 475-481.	0.6	5
21	Immobilization of imidazole moieties in polymer electrolyte composite membrane for elevated temperature fuel cells. <i>Journal of Power Sources</i> , 2015, 298, 68-73.	4.0	5
22	Superlubricity with nonaqueous liquid. , 2021, , 379-403.		3