

Jian Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/544350/publications.pdf>

Version: 2024-02-01

22
papers

448
citations

759233

12
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

501
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward wear-resistive, highly durable and high performance triboelectric nanogenerator through interface liquid lubrication. <i>Nano Energy</i> , 2020, 72, 104659.	16.0	70
2	Techno-economic analysis of biomass processing with dual outputs of energy and activated carbon. <i>Bioresource Technology</i> , 2021, 319, 124108.	9.6	41
3	CuO nanosheets produced in graphene oxide solution: An excellent anti-wear additive for self-lubricating polymer composites. <i>Composites Science and Technology</i> , 2018, 162, 86-92.	7.8	37
4	Lignin from Hardwood and Softwood Biomass as a Lubricating Additive to Ethylene Glycol. <i>Molecules</i> , 2018, 23, 537.	3.8	37
5	Enriching Heteroelements in Lignin as Lubricating Additives for Bioionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3877-3887.	6.7	36
6	Halogen-free ionic liquids as excellent lubricants for PEEK-stainless steel contacts at elevated temperatures. <i>Tribology International</i> , 2016, 104, 1-9.	5.9	29
7	Synthesis of hollow fullerene-like molybdenum disulfide/reduced graphene oxide nanocomposites with excellent lubricating properties. <i>Carbon</i> , 2018, 134, 423-430.	10.3	29
8	Turning the solubility and lubricity of ionic liquids by absorbing CO ₂ . <i>Tribology International</i> , 2018, 121, 223-230.	5.9	22
9	Poly(ionic liquid)s as lubricant additives with insight into adsorption-lubrication relationship. <i>Tribology International</i> , 2022, 165, 107278.	5.9	18
10	High load capacity with ionic liquid-lubricated tribological system. <i>Tribology International</i> , 2016, 94, 315-322.	5.9	16
11	Tribological behaviors of carbon series additions reinforced <sc>CF/PTFE</sc> composites at high speed. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	15
12	Right Way of Using Graphene Oxide Additives for Water-Lubricated PEEK: Adding in Polymer or Water?. <i>Tribology Letters</i> , 2018, 66, 1.	2.6	15
13	Tribological Properties of Porous PEEK Composites Containing Ionic Liquid under Dry Friction Condition. <i>Lubricants</i> , 2017, 5, 19.	2.9	14
14	Versatile Ionic Gel Driven by Dual Hydrogen Bond Networks: Toward Advanced Lubrication and Self-Healing. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5932-5941.	4.4	14
15	Flow-resistance analysis of nano-confined fluids inspired from liquid nano-lubrication: A review. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 1552-1562.	3.5	12
16	High-Strength GO/PA66 Nanocomposite Fibers via In Situ Precipitation and Polymerization. <i>Polymers</i> , 2021, 13, 1688.	4.5	11
17	Thermal shock exfoliated and siloxane cross-linked graphene framework for high performance epoxy-based thermally conductive composites. <i>Journal of Materials Science</i> , 2021, 56, 17601-17614.	3.7	7
18	Hollow IF-MoS ₂ /r-GO Nanocomposite Filled Polyimide Coating with Improved Mechanical, Thermal and Tribological Properties. <i>Coatings</i> , 2021, 11, 25.	2.6	7

#	ARTICLE	IF	CITATIONS
19	Shear exfoliation of large-size GO sheets for high-performance films. <i>Journal of Materials Science</i> , 2021, 56, 18946-18958.	3.7	6
20	Poly(alkylimidazolium bis(trifluoromethylsulfonyl)imide)-Based Polymerized Ionic Liquids: A Potential High-Performance Lubricating Grease. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801796.	3.7	5
21	Surfactant assisted and in situ formed micro liquid metal as excellent lubricant additive in polyimide coating. <i>Tribology International</i> , 2021, 159, 106953.	5.9	5
22	Enhanced Capacity and Cycle Stability of a Pomegranate-Like Si/rGO Composite Anode by Electrostatic Self-Assembly and Spray-Drying Processes. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 5712-5722.	3.7	2