

Lei Chen

List of Publications by Year in descending order

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14
papers

283
citations

933447

10
h-index

1058476

14
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all docs

14
docs citations

14
times ranked

147
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of nano-LaF ₃ on the friction and wear behaviors of PTFE-based bonded solid lubricating coatings under different lubrication conditions. <i>Applied Surface Science</i> , 2016, 382, 73-79.	6.1	39
2	Effects of phosphate binder on the lubricity and wear resistance of graphite coating at elevated temperatures. <i>Surface and Coatings Technology</i> , 2017, 315, 490-497.	4.8	39
3	Fabrication and tribological behaviors of a novel environmental friendly water-based PAI-PTFE-LaF ₃ bonded solid lubricating composite coating. <i>Tribology International</i> , 2018, 121, 400-409.	5.9	34
4	Investigating the effect of LaF ₃ on the tribological performances of an environment friendly hydrophilic polyamide imide resin bonded solid lubricating coating. <i>Tribology International</i> , 2017, 116, 164-171.	5.9	26
5	Novel environmental-friendly lubricating materials: Water-based PAI-graphite-LaF ₃ bonded solid lubricating coatings. <i>Applied Surface Science</i> , 2019, 481, 900-909.	6.1	24
6	In-situ synthesis of size-tunable silver sulfide nanoparticles to improve tribological properties of the polytetrafluoroethylene-based nanocomposite lubricating coatings. <i>Tribology International</i> , 2020, 148, 106324.	5.9	21
7	Preparation and tribological behaviors of a novel organic-inorganic hybrid resin bonded solid lubricating coating cured by ultraviolet radiation. <i>Progress in Organic Coatings</i> , 2019, 127, 348-358.	3.9	20
8	Flake aluminum reinforced polyamideimide-polytetrafluoroethylene bonded solid lubricating composite coating for wear resistance and corrosion protection. <i>European Polymer Journal</i> , 2021, 152, 110485.	5.4	19
9	Optimum hydrophilic modification of lanthanum trifluoride nanoparticles and their application in enhancing tribological properties of eco-friendly water-based bonded solid lubricating coatings. <i>Tribology International</i> , 2018, 125, 1-11.	5.9	16
10	Preparation and tribological behaviors of polyamide-imide/polytetrafluoroethylene lubricating coatings reinforced by in-situ synthesized CeO ₂ nanoparticles. <i>Polymer Testing</i> , 2021, 96, 107100.	4.8	13
11	Tribological properties and corrosion resistance of epoxy resin/polytetrafluoroethylene bonded solid lubricating coating filled with flake aluminum. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51003.	2.6	13
12	Tribological behaviors of the UV curing polyurethane acrylate resin- polytetrafluoroethylene bonded solid lubricating coatings filled with LaF ₃ . <i>Progress in Organic Coatings</i> , 2018, 121, 218-225.	3.9	12
13	Influence of Natural Serpentine on Tribological Performance of Phosphate Bonded Solid Coatings. <i>Tribology Letters</i> , 2022, 70, 1.	2.6	5
14	Strengthening mechanism of in-situ synthesized Cu ₂ S nanoparticles on tribological performance of polyamide-imide bonded solid lubricating coatings. <i>Progress in Organic Coatings</i> , 2022, 166, 106807.	3.9	2