

Liuquan Yang

List of Publications by Year in descending order

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papers

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149
citing authors

#	ARTICLE	IF	CITATIONS
1	Friction reduction mechanisms in boundary lubricated W-doped DLC coatings. <i>Tribology International</i> , 2014, 70, 26-33.	5.9	54
2	Mechanical and tribological properties of Si and W doped diamond like carbon (DLC) under dry reciprocating sliding conditions. <i>Wear</i> , 2021, 484-485, 204046.	3.1	18
3	Effect of mechanical and thermochemical tool steel substrate pre-treatment on diamond-like carbon (DLC) coating durability. <i>Surface and Coatings Technology</i> , 2021, 422, 127483.	4.8	16
4	Boosting hydrogen evolution performance by using a plasma-sputtered porous monolithic $W_2C@WC_x/Mo$ film electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19473-19483.	10.3	15
5	Fabrication and anticorrosion behavior of a bi-phase TaNbHfZr/CoCrNi multilayer coating through magnetron sputtering. <i>Corrosion Science</i> , 2022, 196, 110020.	6.6	15
6	The effect of temperature on water desorption and oxide formation in MoS ₂ coatings and its impact on tribological properties. <i>Surface and Coatings Technology</i> , 2022, 433, 128077.	4.8	14
7	Effect of Lubricant Additives on the WDLC Coating Structure When Tested in Boundary Lubrication Regime. <i>Tribology Letters</i> , 2015, 57, 1.	2.6	9
8	The influence of corrosion on diamond-like carbon topography and friction at the nanoscale. <i>Carbon</i> , 2021, 179, 590-599.	10.3	9
9	Nano-scale coating wear measurement by introducing Raman-sensing underlayer. <i>Journal of Materials Science and Technology</i> , 2022, 96, 285-294.	10.7	9
10	Plasma additive layer manufacture smoothing (PALMS) technology – An industrial prototype machine development and a comparative study on both additive manufactured and conventional machined AISI 316 stainless steel. <i>Additive Manufacturing</i> , 2020, 34, 101204.	3.0	5
11	Probing the Tribochemical Impact on Wear Rate Dynamics of Hydrogenated Amorphous Carbon via Raman-Based Profilometry. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2071-2081.	8.0	2