

Liuquan Yang

List of Publications by Year in descending order

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149
citing authors

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