

Siming Ren

List of Publications by Year in descending order

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papers

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1040056

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16
docs citations

16
times ranked

369
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-covalent functionalized hexagonal boron nitride nanoplatelets to improve corrosion and wear resistance of epoxy coatings. RSC Advances, 2017, 7, 44043-44053.	3.6	68
2	N-doping of graphene: toward long-term corrosion protection of Cu. Journal of Materials Chemistry A, 2018, 6, 24136-24148.	10.3	68
3	Functional regulation of Pb-Ti/MoS ₂ composite coatings for environmentally adaptive solid lubrication. Applied Surface Science, 2017, 401, 362-372.	6.1	56
4	Multilayer Regulation of Atomic Boron Nitride Films to Improve Oxidation and Corrosion Resistance of Cu. ACS Applied Materials & Interfaces, 2017, 9, 27152-27165.	8.0	53
5	Improving the tribological and corrosive properties of MoS ₂ -based coatings by dual-doping and multilayer construction. Applied Surface Science, 2018, 437, 233-244.	6.1	53
6	Structural design of MoS ₂ -based coatings toward high humidity and wide temperature. Journal of Materials Science, 2019, 54, 11889-11902.	3.7	24
7	Barrier mechanism of nitrogen-doped graphene against atomic oxygen irradiation. Applied Surface Science, 2019, 479, 669-678.	6.1	17
8	MoS ₂ /WS ₂ Nanosheet-Based Composite Films Irradiated by Atomic Oxygen: Implications for Lubrication in Space. ACS Applied Nano Materials, 2021, 4, 10307-10320.	5.0	16
9	A feasible multilayer structure design for solid lubricant coatings in a lunar environment. RSC Advances, 2016, 6, 65504-65517.	3.6	12
10	Anomalous enhancement oxidation of few-layer MoS ₂ and MoS ₂ /h-BN heterostructure. Nano Research, 2022, 15, 7081-7090.	10.4	9
11	A novel design by constructing MoS ₂ /WS ₂ multilayer film doped with tantalum toward superior friction performance in multiple environment. Journal of Materials Science, 2021, 56, 17615-17631.	3.7	8
12	Effects of phase transition on tribological properties of amorphous VAlTiCrSi high-entropy alloy film by magnetron sputtering. Materials Characterization, 2022, 191, 112115.	4.4	8
13	Effect of nitrogen-doped carbon dots on the anticorrosion properties of waterborne epoxy coatings. Surface Topography: Metrology and Properties, 2018, 6, 024003.	1.6	7
14	Multilayer boron nitride nanofilm as an effective barrier for atomic oxygen irradiation. Applied Surface Science, 2020, 504, 144394.	6.1	6
15	Correlated morphological and chemical mechanisms for the superior corrosion resistance of alumina-deposited 2D nanofilms on copper. Materialia, 2020, 11, 100697.	2.7	5