

Siming Ren

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Anomalous enhancement oxidation of few-layer MoS ₂ and MoS ₂ /h-BN heterostructure. Nano Research, 2022, 15, 7081-7090. | 10.4 | 9 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Multilayer boron nitride nanofilm as an effective barrier for atomic oxygen irradiation. Applied Surface Science, 2020, 504, 144394. | 6.1 | 6 |
| 6 | Correlated morphological and chemical mechanisms for the superior corrosion resistance of alumina-deposited 2D nanofilms on copper. Materialia, 2020, 11, 100697. | 2.7 | 5 |
| 7 | Structural design of MoS ₂ -based coatings toward high humidity and wide temperature. Journal of Materials Science, 2019, 54, 11889-11902. | 3.7 | 24 |
| 8 | Barrier mechanism of nitrogen-doped graphene against atomic oxygen irradiation. Applied Surface Science, 2019, 479, 669-678. | 6.1 | 17 |
| 9 | 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 |
| 10 | 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 |
| 11 | N-doping of graphene: toward long-term corrosion protection of Cu. Journal of Materials Chemistry A, 2018, 6, 24136-24148. | 10.3 | 68 |
| 12 | Functional regulation of Pb-Ti/MoS ₂ composite coatings for environmentally adaptive solid lubrication. Applied Surface Science, 2017, 401, 362-372. | 6.1 | 56 |
| 13 | 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 |
| 14 | 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 |
| 15 | A feasible multilayer structure design for solid lubricant coatings in a lunar environment. RSC Advances, 2016, 6, 65504-65517. | 3.6 | 12 |