

Dongxu Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effects of crevice geometry on corrosion behavior of 304 stainless steel during crevice corrosion in high temperature pure water. Corrosion Science, 2016, 111, 518-530.	6.6	59
2	Effects of silicon on microstructure and corrosion resistance of diamond-like-carbon film prepared on 2024 aluminum alloy by plasma-enhanced chemical vapor deposition. Diamond and Related Materials, 2020, 110, 108144.	3.9	33
3	Oxidation Behavior of 304 Stainless Steel During Crevice Corrosion in High-Temperature Pure Water. Corrosion, 2015, 71, 1213-1223.	1.1	15
4	Corrosion behavior and passive stability of multilayer DLC-Si coatings. Surface and Coatings Technology, 2022, 431, 128001.	4.8	14
5	Oxidation behavior of 304 stainless steel with modified layer by plasma nitriding in High temperature and pressurized Water. Corrosion Science, 2021, 186, 109468.	6.6	11
6	Corrosion inhibition characteristics of multilayer Si-DLC, phosphating and anodizing coatings deposited on 2024 Al alloy: A comparative study. Diamond and Related Materials, 2021, 117, 108460.	3.9	11
7	Effect of Bias Voltage on Characteristics of Multilayer Si-DLC Film Coated on AA6061 Aluminum Alloy. Journal of Materials Engineering and Performance, 2021, 30, 743-759.	2.5	7
8	Wear resistance and microstructure of the nitriding layer formed on 2024 aluminum alloy by plasma-enhanced nitriding at different nitriding times. Materials Research Express, 2019, 6, 066405.	1.6	6
9	EFFECTS OF PULSE WIDTH ON CORROSION BEHAVIOR OF DIAMOND-LIKE CARBON COATINGS PREPARED ON THE SURFACE OF HIGH NITROGEN NICKEL-FREE STAINLESS STEEL. Surface Review and Letters, 2021, 28, 2150032.	1.1	6
10	DLC (H) coated 13Cr SMSS by high-pulsed power CVD technique. Surface Engineering, 2021, 37, 1012-1019.	2.2	4
11	Effects of Yttrium on the pitting corrosion behavior of 304 stainless steel with coating by laser remelting. Materials Research Express, 2019, 6, 126419.	1.6	3
12	Structure related corrosion behavior of DLC films in high Cl ⁻ environment. Corrosion Reviews, 2021, 39, 465-476.	2.0	3
13	INFLUENCE OF MgO+CeO ₂ ON THE MICROSTRUCTURE AND HARDNESS OF WC-Ni-BASED ALLOY COATING BY VACUUM MELTING. Surface Review and Letters, 2017, 24, 1750072.	1.1	2
14	Effects of yttrium on the oxidation behavior of 304 stainless steel with coating by laser remelting in high temperature water. Materials Research Express, 2020, 7, 016421.	1.6	2
15	Microstructure, wear and electrochemical behaviors of laser cladding Fe-based coatings with various molybdenum contents. Materials Research Express, 2022, 9, 026504.	1.6	2
16	STUDY ON ADSORPTION MECHANISM AND CORROSION INHIBITION BEHAVIOR OF DIFFERENT CONCENTRATIONS OF TEA EXTRACTS ON THE SURFACE OF HP13CR STAINLESS STEEL. Surface Review and Letters, 0, , .	1.1	0