

Cao Yongzhi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrochemical mechanical micromachining based on confined etchant layer technique. Faraday Discussions, 2013, 164, 189.	3.2	18
2	A multi-wall carbon nanotube (MWCNT) relocation technique for atomic force microscopy (AFM) samples. Ultramicroscopy, 2005, 103, 103-108.	1.9	17
3	Effect of the Anodizing Temperature on Microstructure and Tribological Properties of 6061 Aluminum Alloy Anodic Oxide Films. Coatings, 2022, 12, 314.	2.6	17
4	Research of laser-induced damage of aluminum alloy 5083 on micro-arc oxidation and composite coatings treatment. Optics Express, 2019, 27, 18232.	3.4	15
5	Direct Nanomachining on Semiconductor Wafer By Scanning Electrochemical Microscopy. Angewandte Chemie - International Edition, 2020, 59, 21129-21134.	13.8	13
6	The coupling effect of slow-rate mechanical motion on the confined etching process in electrochemical mechanical micromachining. Science China Chemistry, 2018, 61, 715-724.	8.2	11
7	Nd: YAG laser ablation of aluminum alloy 6061 before and after silicon dioxide coating. Journal of Alloys and Compounds, 2021, 877, 160329.	5.5	11
8	Template-assisted nanostructure fabrication by glancing angle deposition: a molecular dynamics study. Nanoscale Research Letters, 2013, 8, 312.	5.7	7
9	Silver films on aluminum alloy 6061 modified by ion bombardment improves surface reflectivity. Vacuum, 2021, 193, 110505.	3.5	6
10	A coupled model of electromagnetic and heat on nanosecond-laser ablation of impurity-containing aluminum alloy. RSC Advances, 2020, 10, 30944-30952.	3.6	5
11	Self-forming TiBN Nanocomposite Multilayer Coating Prepared by Pulse Cathode Arc Method. Nanoscale Research Letters, 2016, 11, 349.	5.7	4
12	The Simulation and Research of Etching Function Based on Scanning Electrochemical Microscopy. Nanomanufacturing and Metrology, 2019, 2, 160-167.	3.0	3
13	Laser-induced damage of black glass before and after surface treatment by containing impurities-SiO ₂ film during ultra clean manufacturing. Journal of Cleaner Production, 2020, 257, 120360.	9.3	3
14	An investigation of the adsorption of potassium stearate molecules on diamond-like carbon substrate using molecular dynamics simulation. Applied Surface Science, 2017, 425, 384-392.	6.1	2
15	Study on the reflectivity of electron beam evaporated gold films on aluminum alloy substrates treated at 60, 20, and 25°C. Thin Solid Films, 2021, 717, 138443.	1.8	2
16	Preparation and laser damage mechanism of stray-light-absorbing thin films in high-energy laser systems. Surfaces and Interfaces, 2022, 30, 101835.	3.0	2
17	Preparation, characterization and investigation of molecular films coated on diamond-like carbon substrate. Precision Engineering, 2020, 65, 44-52.	3.4	0
18	Light Absorption Enhancement and Laser-Induced Damage Ability Improvement of Aluminum Alloy 6061 with Non-Porous Alumina/CdSe@Al ₂ O ₃ /SiO ₂ Functional Gradient Films. Nanomaterials, 2022, 12, 559.	4.1	0