Zhen Shi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4959277/publications.pdf

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27	508	687363 13	677142 22
papers	citations	h-index	g-index

27	27	27	390
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxygen-sulfur Co-substitutional Fe@C nanocapsules for improving microwave absorption properties. Science Bulletin, 2020, 65, 623-630.	9.0	100
2	Achieving an acid resistant surface on magnesium alloy via bio-inspired design. Applied Surface Science, 2019, 478, 150-161.	6.1	60
3	Tribological performance of few layer graphene on textured M2 steel surfaces. Surface and Coatings Technology, 2016, 296, 164-170.	4.8	48
4	Mussel-Inspired Durable TiO₂/PDA-Based Superhydrophobic Paper with Excellent Self-Cleaning, High Chemical Stability, and Efficient Oil/Water Separation Properties. Langmuir, 2022, 38, 6086-6098.	3.5	35
5	Mussel-inspired durable superhydrophobic/superoleophilic MOF-PU sponge with high chemical stability, efficient oil/water separation and excellent anti-icing properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129142.	4.7	30
6	Facile Preparation of Robust Superhydrophobic/Superoleophilic TiO₂-Decorated Polyvinyl Alcohol Sponge for Efficient Oil/Water Separation. ACS Omega, 2022, 7, 7084-7095.	3.5	28
7	Effect of oxygen flow ratio on the wetting behavior, microstructure and mechanical properties of CeO 2â^'x coatings prepared by magnetron sputtering. Surface and Coatings Technology, 2017, 320, 333-338.	4.8	26
8	Effect of bias voltage on the properties of CeO 2â^'x coatings prepared by magnetron sputtering. Surface and Coatings Technology, 2017, 326, 411-416.	4.8	25
9	Formation of skyrmion and skyrmionium in confined nanodisk with perpendicular magnetic anisotropy. Journal Physics D: Applied Physics, 2020, 53, 195001.	2.8	18
10	Spontaneous Adsorption-Induced Salvinia-like Micropillars with High Adhesion. Langmuir, 2021, 37, 6728-6735.	3.5	17
11	Improved microwave absorbing properties by designing heterogeneous interfaces in Mo@2D-MoS2. Journal of Alloys and Compounds, 2018, 767, 1-6.	5.5	16
12	Thermal stability, wettability and corrosion resistance of sputtered ceria films on 316 stainless steel. Applied Surface Science, 2019, 477, 166-171.	6.1	16
13	Concurrently Improved Breakdown Strength and Storage Energy Capacitance in the Coreâ€“Shell-Structured Aromatic Polythiourea@BaTiO₃ Polymer Nanocomposites Induced by the Nature of Interfacial Polarization and Crystallization. ACS Applied Energy Materials, 2021, 4, 470-481.	5.1	14
14	Preparation of transparent and hydrophobic cerium oxide films with stable mechanical properties by magnetron sputtering. Vacuum, 2021, 184, 109888.	3.5	13
15	Links of Extracellular Enzyme Activities, Microbial Metabolism, and Community Composition in the Riverâ€Impacted Coastal Waters. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3507-3520.	3.0	12
16	Accelerated wetting transition from hydrophilic to hydrophobic of sputtered Cu films with micro-scale patterns. Applied Surface Science, 2020, 527, 146741.	6.1	12
17	Thickness-dependent morphology, microstructure, adsorption and surface free energy of sputtered CeO2 films. Ceramics International, 2020, 46, 13925-13931.	4.8	11
18	Microscopic insights into hydrophobicity of cerium oxide: Effects of crystal orientation and lattice constant. Journal of Materials Science and Technology, 2022, 109, 20-29.	10.7	10

#	Article	IF	Citations
19	Photosynthesisâ€Irradiance Response in the Eddy Dipole in the Western South China Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016986.	2.6	6
20	Nitrate fluxes induced by turbulent mixing in dipole eddies in an oligotrophic ocean. Limnology and Oceanography, 2021, 66, 2842-2854.	3.1	4
21	Fabrication of cerium oxide films with thickness and hydrophobicity gradients. Surface and Coatings Technology, 2022, 430, 127985.	4.8	3
22	Environmental regulations on bacterial abundance in the South China Sea inferred from regression models. Science of the Total Environment, 2021, 774, 146315.	8.0	2
23	Humidity Sensing Ceria Thin-Films. Nanomaterials, 2022, 12, 521.	4.1	2
24	Lubrication of aluminium versus diamond-like carbon contacts with hydrophobin proteins. Surface Engineering, 2017, 33, 49-55.	2.2	0
25	Tunable optical absorption of dimer nanostructure array achieved by angular evaporation. Journal of Micromechanics and Microengineering, 2018, 28, 115010.	2.6	0
26	Response to comment on â€œThickness-dependent morphology, microstructure, adsorption and surface free energy of sputtered CeO2 filmsâ€• Ceramics International, 2021, 47, 4363-4364.	4.8	0
27	Photoredox Catalysis for the Fabrication of Water-Repellent Surfaces with Application for Oil/Water Separation. Langmuir, 2021, 37, 11592-11602.	3.5	0