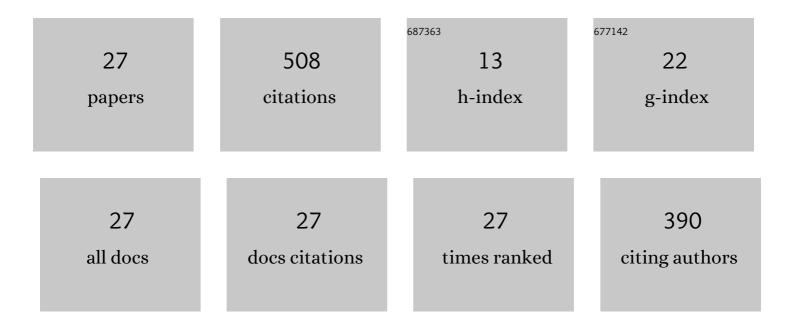
## Zhen Shi

## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	Fabrication of cerium oxide films with thickness and hydrophobicity gradients. Surface and Coatings Technology, 2022, 430, 127985.	4.8	3
3	Humidity Sensing Ceria Thin-Films. Nanomaterials, 2022, 12, 521.	4.1	2
4	Facile Preparation of Robust Superhydrophobic/Superoleophilic TiO <sub>2</sub> -Decorated Polyvinyl Alcohol Sponge for Efficient Oil/Water Separation. ACS Omega, 2022, 7, 7084-7095.	3.5	28
5	Mussel-Inspired Durable TiO <sub>2</sub> /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
6	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
7	Response to comment on "Thickness-dependent morphology, microstructure, adsorption and surface free energy of sputtered CeO2 films― Ceramics International, 2021, 47, 4363-4364.	4.8	0
8	Concurrently Improved Breakdown Strength and Storage Energy Capacitance in the Core–Shell-Structured Aromatic Polythiourea@BaTiO <sub>3</sub> Polymer Nanocomposites Induced by the Nature of Interfacial Polarization and Crystallization. ACS Applied Energy Materials, 2021, 4, 470-481.	5.1	14
9	Preparation of transparent and hydrophobic cerium oxide films with stable mechanical properties by magnetron sputtering. Vacuum, 2021, 184, 109888.	3.5	13
10	Nitrate fluxes induced by turbulent mixing in dipole eddies in an oligotrophic ocean. Limnology and Oceanography, 2021, 66, 2842-2854.	3.1	4
11	Photosynthesisâ€Irradiance Response in the Eddy Dipole in the Western South China Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016986.	2.6	6
12	Spontaneous Adsorption-Induced <i>Salvinia</i> -like Micropillars with High Adhesion. Langmuir, 2021, 37, 6728-6735.	3.5	17
13	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
14	Photoredox Catalysis for the Fabrication of Water-Repellent Surfaces with Application for Oil/Water Separation. Langmuir, 2021, 37, 11592-11602.	3.5	0
15	Oxygen-sulfur Co-substitutional Fe@C nanocapsules for improving microwave absorption properties. Science Bulletin, 2020, 65, 623-630.	9.0	100
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	Formation of skyrmion and skyrmionium in confined nanodisk with perpendicular magnetic anisotropy. Journal Physics D: Applied Physics, 2020, 53, 195001.	2.8	18

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19	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
20	Achieving an acid resistant surface on magnesium alloy via bio-inspired design. Applied Surface Science, 2019, 478, 150-161.	6.1	60
21	Thermal stability, wettability and corrosion resistance of sputtered ceria films on 316 stainless steel. Applied Surface Science, 2019, 477, 166-171.	6.1	16
22	Tunable optical absorption of dimer nanostructure array achieved by angular evaporation. Journal of Micromechanics and Microengineering, 2018, 28, 115010.	2.6	0
23	Improved microwave absorbing properties by designing heterogeneous interfaces in Mo@2D-MoS2. Journal of Alloys and Compounds, 2018, 767, 1-6.	5.5	16
24	Lubrication of aluminium versus diamond-like carbon contacts with hydrophobin proteins. Surface Engineering, 2017, 33, 49-55.	2.2	0
25	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
26	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
27	Tribological performance of few layer graphene on textured M2 steel surfaces. Surface and Coatings Technology, 2016, 296, 164-170.	4.8	48