

Changguo Xue

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

831
citations

840776

11
h-index

677142

22
g-index

28
all docs

28
docs citations

28
times ranked

1195
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoswitching of glass transition temperatures of azobenzene-containing polymers induces reversible solid-to-liquid transitions. <i>Nature Chemistry</i> , 2017, 9, 145-151.	13.6	469
2	Synthesis of EDTA-bridged CdS/g-C ₃ N ₄ heterostructure photocatalyst with enhanced performance for photoredox reactions. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 459-470.	9.4	62
3	Detection of copper ions using microcantilever immunosensors and enzyme-linked immunosorbent assay. <i>Analytica Chimica Acta</i> , 2010, 676, 81-86.	5.4	58
4	Development of Protein A Functionalized Microcantilever Immunosensors for the Analyses of Small Molecules at Parts per Trillion Levels. <i>Analytical Chemistry</i> , 2010, 82, 615-620.	6.5	35
5	Application of gaseous pyrolysis products of the waste cooking oil as coal flotation collector. <i>Fuel</i> , 2019, 239, 446-451.	6.4	26
6	Mechanism and enhancement of the surface stress caused by a small-molecule antigen and antibody binding. <i>Biosensors and Bioelectronics</i> , 2013, 48, 67-74.	10.1	25
7	Effect of pores on the flotation of low-rank coal: An experiment and simulation study. <i>Fuel</i> , 2020, 271, 117557.	6.4	25
8	Development of sulfhydrylated antibody functionalized microcantilever immunosensor for taxol. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 863-866.	7.8	20
9	Nanomechanical sensors for direct and rapid characterization of sperm motility based on nanoscale vibrations. <i>Nanoscale</i> , 2017, 9, 18258-18267.	5.6	16
10	Ulothrix-Derived Sulfur-Doped Porous Carbon for High-Performance Symmetric Supercapacitors. <i>ACS Omega</i> , 2022, 7, 10137-10143.	3.5	12
11	Atmospheric Plasma Jet Relay Driven by a 40-kHz Power Supply and Its Representative Characteristics. <i>IEEE Transactions on Plasma Science</i> , 2015, 43, 1825-1831.	1.3	11
12	Synthesis of Polyaniline/Graphene Oxide/Azobenzene Composite and Its Adjustable Photoelectric Properties. <i>Advances in Polymer Technology</i> , 2020, 2020, 1-9.	1.7	11
13	Increased conjugated backbone twisting to improve carbonylated-functionalized polymer photovoltaic performance. <i>Organic Chemistry Frontiers</i> , 2020, 7, 261-266.	4.5	10
14	Improving Coal Flotation by Gaseous Collector Pretreatment Method and its Potential Application in Preparing Coal Water Slurry. <i>Processes</i> , 2019, 7, 500.	2.8	9
15	Effect of Hydration Layer on the Adsorption of Dodecane Collector on Low-Rank Coal: A Molecular Dynamics Simulation Study. <i>Processes</i> , 2020, 8, 1207.	2.8	9
16	Achieving efficient polymer solar cells based on benzodithiophene-thiazole-containing wide band gap polymer donors by changing the linkage patterns of two thiazoles. <i>New Journal of Chemistry</i> , 2020, 44, 13100-13107.	2.8	8
17	A Carbonylated Terthiophene-Based Twisted Polymer for Efficient Ternary Polymer Solar Cells. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900246.	3.9	7
18	Phase formation, microstructure development, and mechanical properties of kaolin-based mullite ceramics added with Fe ₂ O ₃ . <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 1074-1081.	2.1	6

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19	A Sulfhydryl Azobenzene-Modified Polyaniline/Silver Electrode and Its Photoswitching Electrochemical Performance. ACS Omega, 2021, 6, 11519-11528.	3.5	5
20	Multi-responsive and conductive bilayer hydrogel and its application in flexible devices. RSC Advances, 2022, 12, 7898-7905.	3.6	4
21	AZO (ZnO:Al) Transparent Conductive Film Prepared by Plasma Enhanced Chemical Vapour Deposition and its Performances in Comparison with ZnO Film. Asian Journal of Chemistry, 2014, 26, 1625-1627.	0.3	2
22	Ag nanoparticles modified Cu/Cu(OH) ₂ film enables sensitive SERS detection via Coffee ring effect. Materials Research Express, 2021, 8, 105004.	1.6	1
23	A simple optical sequential illumination for microcantilever array. Procedia Engineering, 2010, 7, 235-238.	1.2	0
24	Bioassay of Glutathione S-transferase Antibody-Antigen Interactions Using Microcantilever Sensor. Asian Journal of Chemistry, 2013, 25, 5637-5639.	0.3	0
25	Optimization of Pre-Treatment Condition of Luffa Cylindrica using Orthogonal Experiment. Asian Journal of Chemistry, 2014, 26, 1622-1624.	0.3	0
26	Electro-Optical Property of Plasma Enhanced Chemical Vapor Deposition ZnO:Al Films Influenced by Substrate Materials and Annealing Treatments. Asian Journal of Chemistry, 2014, 26, 1641-1644.	0.3	0
27	Pattern Formation in Evaporation Coffee Droplets: Influence of Temperature and Salt. Asian Journal of Chemistry, 2014, 26, 1619-1621.	0.3	0
28	THE APPLICATION PROSPECT OF MICROCANTILEVER SENSORS TECHNOLOGY ON MINERAL SURFACE ADSORPTION. Surface Review and Letters, 2019, 26, 1830010.	1.1	0