

# Changguo Xue

## List of Publications by Year in descending order

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28  
papers

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citations

840776

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h-index

677142

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g-index

28  
all docs

28  
docs citations

28  
times ranked

1195  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-responsive and conductive bilayer hydrogel and its application in flexible devices. RSC Advances, 2022, 12, 7898-7905.	3.6	4
2	Ulothrix-Derived Sulfur-Doped Porous Carbon for High-Performance Symmetric Supercapacitors. ACS Omega, 2022, 7, 10137-10143.	3.5	12
3	Phase formation, microstructure development, and mechanical properties of kaolin-based mullite ceramics added with Fe <sub>2</sub> O <sub>3</sub> . International Journal of Applied Ceramic Technology, 2021, 18, 1074-1081.	2.1	6
4	A Sulfhydryl Azobenzene-Modified Polyaniline/Silver Electrode and Its Photoswitching Electrochemical Performance. ACS Omega, 2021, 6, 11519-11528.	3.5	5
5	Ag nanoparticles modified Cu/Cu(OH) <sub>2</sub> film enables sensitive SERS detection via Coffee ring effect. Materials Research Express, 2021, 8, 105004.	1.6	1
6	Increased conjugated backbone twisting to improve carbonylated-functionalized polymer photovoltaic performance. Organic Chemistry Frontiers, 2020, 7, 261-266.	4.5	10
7	Effect of Hydration Layer on the Adsorption of Dodecane Collector on Low-Rank Coal: A Molecular Dynamics Simulation Study. Processes, 2020, 8, 1207.	2.8	9
8	Synthesis of EDTA-bridged CdS/g-C <sub>3</sub> N <sub>4</sub> heterostructure photocatalyst with enhanced performance for photoredox reactions. Journal of Colloid and Interface Science, 2020, 577, 459-470.	9.4	62
9	Synthesis of Polyaniline/Graphene Oxide/Azobenzene Composite and Its Adjustable Photoelectric Properties. Advances in Polymer Technology, 2020, 2020, 1-9.	1.7	11
10	Achieving efficient polymer solar cells based on benzodithiophene-thiazole-containing wide band gap polymer donors by changing the linkage patterns of two thiazoles. New Journal of Chemistry, 2020, 44, 13100-13107.	2.8	8
11	Effect of pores on the flotation of low-rank coal: An experiment and simulation study. Fuel, 2020, 271, 117557.	6.4	25
12	THE APPLICATION PROSPECT OF MICROCANTILEVER SENSORS TECHNOLOGY ON MINERAL SURFACE ADSORPTION. Surface Review and Letters, 2019, 26, 1830010.	1.1	0
13	A Carbonylated Terthiophene-Based Twisted Polymer for Efficient Ternary Polymer Solar Cells. Macromolecular Rapid Communications, 2019, 40, e1900246.	3.9	7
14	Improving Coal Flotation by Gaseous Collector Pretreatment Method and its Potential Application in Preparing Coal Water Slurry. Processes, 2019, 7, 500.	2.8	9
15	Application of gaseous pyrolysis products of the waste cooking oil as coal flotation collector. Fuel, 2019, 239, 446-451.	6.4	26
16	Nanomechanical sensors for direct and rapid characterization of sperm motility based on nanoscale vibrations. Nanoscale, 2017, 9, 18258-18267.	5.6	16
17	Photoswitching of glass transition temperatures of azobenzene-containing polymers induces reversible solid-to-liquid transitions. Nature Chemistry, 2017, 9, 145-151.	13.6	469
18	Atmospheric Plasma Jet Relay Driven by a 40-kHz Power Supply and Its Representative Characteristics. IEEE Transactions on Plasma Science, 2015, 43, 1825-1831.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Optimization of Pre-Treatment Condition of Luffa Cylindrica using Orthogonal Experiment. Asian Journal of Chemistry, 2014, 26, 1622-1624.	0.3	0
20	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
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	Pattern Formation in Evaporation Coffee Droplets: Influence of Temperature and Salt. Asian Journal of Chemistry, 2014, 26, 1619-1621.	0.3	0
23	Mechanism and enhancement of the surface stress caused by a small-molecule antigen and antibody binding. Biosensors and Bioelectronics, 2013, 48, 67-74.	10.1	25
24	Bioassay of Glutathione S-transferase Antibody-Antigen Interactions Using Microcantilever Sensor. Asian Journal of Chemistry, 2013, 25, 5637-5639.	0.3	0
25	Development of sulfhydrylated antibody functionalized microcantilever immunosensor for taxol. Sensors and Actuators B: Chemical, 2011, 156, 863-866.	7.8	20
26	A simple optical sequential illumination for microcantilever array. Procedia Engineering, 2010, 7, 235-238.	1.2	0
27	Detection of copper ions using microcantilever immunosensors and enzyme-linked immunosorbent assay. Analytica Chimica Acta, 2010, 676, 81-86.	5.4	58
28	Development of Protein A Functionalized Microcantilever Immunosensors for the Analyses of Small Molecules at Parts per Trillion Levels. Analytical Chemistry, 2010, 82, 615-620.	6.5	35