

# Ju-Yi Mao

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

944  
citations

759055

12  
h-index

526166

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1439  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon nanogels exert multipronged attack on resistant bacteria and strongly constrain resistance evolution. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1813-1826.	5.0	11
2	Carbon-based low-pressure filtration membrane for the dynamic disruption of bacteria from contaminated water. <i>Water Research</i> , 2022, 212, 118121.	5.3	6
3	How to evaluate the potential toxicity of therapeutic carbon nanomaterials? A comprehensive study of carbonized nanogels with multiple animal toxicity test models. <i>Journal of Hazardous Materials</i> , 2022, 429, 128337.	6.5	9
4	Development of antiviral carbon quantum dots that target the Japanese encephalitis virus envelope protein. <i>Journal of Biological Chemistry</i> , 2022, 298, 101957.	1.6	18
5	Strain engineering for high-level 5-aminolevulinic acid production in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2021, 118, 30-42.	1.7	21
6	Bio-based production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) with modulated monomeric fraction in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1435-1446.	1.7	7
7	Carbonized nanogels for simultaneous antibacterial and antioxidant treatment of bacterial keratitis. <i>Chemical Engineering Journal</i> , 2021, 411, 128469.	6.6	58
8	Carbonized Lysine-Nanogels Protect against Infectious Bronchitis Virus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5415.	1.8	11
9	Thermally driven formation of polyphenolic carbonized nanogels with high anticoagulant activity from polysaccharides. <i>Biomaterials Science</i> , 2021, 9, 4679-4690.	2.6	9
10	Multifunctional carbonized nanogels to treat lethal acute hepatopancreatic necrosis disease. <i>Journal of Nanobiotechnology</i> , 2021, 19, 448.	4.2	5
11	Platinum ions mediate the interactions between DNA and carbon quantum dots: diagnosis of MRSA infections. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3506-3512.	2.9	15
12	Integrated strain engineering and bioprocessing strategies for high-level bio-based production of 3-hydroxyvalerate in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5259-5272.	1.7	4
13	High-level heterologous production of propionate in engineered <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2020, 117, 1304-1315.	1.7	8
14	High Amplification of the Antiviral Activity of Curcumin through Transformation into Carbon Quantum Dots. <i>Small</i> , 2019, 15, e1902641.	5.2	110
15	In situ synthesis of core-shell carbon nanowires as a potent targeted anticoagulant. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 583-596.	5.0	9
16	Supramolecular Aptamers on Graphene Oxide for Efficient Inhibition of Thrombin Activity. <i>Frontiers in Chemistry</i> , 2019, 7, 280.	1.8	7
17	Detection of urinary spermine by using silver-gold/silver chloride nanozymes. <i>Analytica Chimica Acta</i> , 2018, 1009, 89-97.	2.6	44
18	Graphene-based nanofiltration membranes for improving salt rejection, water flux and antifouling—a review. <i>Desalination</i> , 2018, 429, 119-133.	4.0	239

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19	Self-assembled, bivalent aptamers on graphene oxide as an efficient anticoagulant. <i>Biomaterials Science</i> , 2018, 6, 1882-1891.	2.6	19
20	Nanoparticle-based laser desorption/ionization mass spectrometric analysis of drugs and metabolites. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 1215-1228.	0.9	49
21	Metal-deposited bismuth oxyiodide nanonetworks with tunable enzyme-like activity: sensing of mercury and lead ions. <i>Materials Chemistry Frontiers</i> , 2017, 1, 893-899.	3.2	34
22	DNA Modulates the Interaction of Genetically Engineered DNA-Binding Proteins and Gold Nanoparticles: Diagnosis of High-Risk HPV Infection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44307-44315.	4.0	12
23	Pulse laser-induced fragmentation of carbon quantum dots: a structural analysis. <i>Nanoscale</i> , 2017, 9, 18359-18367.	2.8	8
24	Satellite-like Gold Nanocomposites for Targeted Mass Spectrometry Imaging of Tumor Tissues. <i>Nanotheranostics</i> , 2017, 1, 141-153.	2.7	15
25	Ultrastrong trapping of VEGF by graphene oxide: Anti-angiogenesis application. <i>Biomaterials</i> , 2016, 109, 12-22.	5.7	63
26	Synthesis of Self-Assembled Spermidine-Carbon Quantum Dots Effective against Multidrug-Resistant Bacteria. <i>Advanced Healthcare Materials</i> , 2016, 5, 2545-2554.	3.9	151