

# Zhiling Zhu

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,261  
citations

331538

21  
h-index

395590

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34  
all docs

34  
docs citations

34  
times ranked

1368  
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron doped graphdiyne: A metal-free peroxidase mimetic nanozyme for antibacterial application. Nano Research, 2022, 15, 1446-1454.	5.8	64
2	Biomimetic design of graphdiyne supported hemin for enhanced peroxidase-like activity. Journal of Colloid and Interface Science, 2022, 607, 470-478.	5.0	26
3	Silver Peroxide Nanoparticles for Combined Antibacterial Sonodynamic and Photothermal Therapy. Small, 2022, 18, e2104160.	5.2	76
4	Plasmon-Enhanced Peroxidase-like Activity of Nitrogen-Doped Graphdiyne Oxide Quantum Dots/Gold-Silver Nanocage Heterostructures for Antimicrobial Applications. Chemistry of Materials, 2022, 34, 1356-1368.	3.2	33
5	AuAg nanocages/graphdiyne for rapid elimination and detection of trace pathogenic bacteria. Journal of Colloid and Interface Science, 2022, 613, 376-383.	5.0	23
6	Plasmonic Nanozyme of Graphdiyne Nanowalls Wrapped Hollow Copper Sulfide Nanocubes for Rapid Bacteria-Killing. Advanced Functional Materials, 2022, 32, .	7.8	61
7	Piezoelectric enhanced peroxidase-like activity of metal-free sulfur doped graphdiyne nanosheets for efficient water pollutant degradation and bacterial disinfection. Nano Today, 2022, 43, 101429.	6.2	53
8	Piezoelectric Activatable Nanozyme-Based Skin Patch for Rapid Wound Disinfection. ACS Applied Materials & Interfaces, 2022, 14, 26455-26468.	4.0	27
9	Nonmetal Graphdiyne Nanozyme-Based Ferroptosis-Apoptosis Strategy for Colon Cancer Therapy. ACS Applied Materials & Interfaces, 2022, 14, 27720-27732.	4.0	26
10	Self-assembled nanogels of luminescent thiolated silver nanoclusters and chitosan as bactericidal agent and bacterial sensor. Materials Science and Engineering C, 2021, 118, 111520.	3.8	23
11	Graphdiyne-supported palladium-iron nanosheets: A dual-functional peroxidase mimetic nanozyme for glutathione detection and antibacterial application. Chemical Engineering Journal, 2021, 413, 127537.	6.6	90
12	Self-assembled ultrasmall silver nanoclusters on liposome for topical antimicrobial delivery. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111618.	2.5	12
13	Pomegranate-Like CuO <sub>2</sub> @SiO <sub>2</sub> Nanospheres as H <sub>2</sub> O <sub>2</sub> Self-Supplying and Robust Oxygen Generators for Enhanced Antibacterial Activity. ACS Applied Materials & Interfaces, 2021, 13, 22169-22181.	4.0	46
14	Study of the adherence of Escherichia coli 83972 on $\beta$ -biphenyl mannoside-presenting PDMS surfaces. Colloids and Interface Science Communications, 2021, 45, 100507.	2.0	0
15	Facile synthesis of Ternary Au@PdNi core-shell nanoparticles with enhanced electrocatalytic performance for ethanol oxidation reaction. Journal of Alloys and Compounds, 2020, 817, 153335.	2.8	12
16	Subsequent monitoring of ferric ion and ascorbic acid using graphdiyne quantum dots-based optical sensors. Mikrochimica Acta, 2020, 187, 657.	2.5	30
17	Antibacterial Activity of Graphdiyne and Graphdiyne Oxide. Small, 2020, 16, e2001440.	5.2	71
18	A fluorous biphasic drug delivery system triggered by low frequency ultrasound: controlled release from perfluorous discoidal porous silicon particles. Nanoscale Advances, 2020, 2, 3561-3569.	2.2	6

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19	Gold nanoclusters decorated amine-functionalized graphene oxide nanosheets for capture, oxidative stress, and photothermal destruction of bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111313.	2.5	23
20	Ortho-Substituted $\beta$ -Phenyl Mannoside Derivatives Promoted Early-Stage Adhesion and Biofilm Formation of <i>E. coli</i> 83972. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21300-21310.	4.0	6
21	Boosting antibacterial activity with mesoporous silica nanoparticles supported silver nanoclusters. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 470-479.	5.0	84
22	Silver Doping-Induced Luminescence Enhancement and Red-Shift of Gold Nanoclusters with Aggregation-Induced Emission. <i>Chemistry - an Asian Journal</i> , 2019, 14, 765-769.	1.7	55
23	Antimicrobial strategies for urinary catheters. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 445-467.	2.1	90
24	Isolation of an acetylido-Cu(I)-tris(triazolylmethyl)amine complex active in the CuAAC reaction. <i>Journal of Catalysis</i> , 2018, 361, 407-413.	3.1	9
25	Probiotic <i>E. coli</i> Nissle 1917 biofilms on silicone substrates for bacterial interference against pathogen colonization. <i>Acta Biomaterialia</i> , 2017, 50, 353-360.	4.1	22
26	Development of ciprofloxacin-loaded contact lenses using fluororous chemistry. <i>Biomaterials</i> , 2017, 124, 55-64.	5.7	22
27	Intermediates Stabilized by Tris(triazolylmethyl)amines in the CuAAC Reaction. <i>Chemistry - A European Journal</i> , 2017, 23, 4730-4735.	1.7	8
28	Tripodal amine ligands for accelerating Cu-catalyzed azide-alkyne cycloaddition: efficiency and stability against oxidation and dissociation. <i>Catalysis Science and Technology</i> , 2017, 7, 2474-2485.	2.1	17
29	Copper-catalyzed click reaction on/in live cells. <i>Chemical Science</i> , 2017, 8, 2107-2114.	3.7	102
30	Coating of silicone with mannoside-PAMAM dendrimers to enhance formation of non-pathogenic <i>Escherichia coli</i> biofilms against colonization of uropathogens. <i>Acta Biomaterialia</i> , 2017, 64, 200-210.	4.1	19
31	Extent of the Oxidative Side Reactions to Peptides and Proteins During the CuAAC Reaction. <i>Bioconjugate Chemistry</i> , 2016, 27, 2315-2322.	1.8	71
32	Surfaces presenting $\beta$ -phenyl mannoside derivatives enable formation of stable, high coverage, non-pathogenic <i>Escherichia coli</i> biofilms against pathogen colonization. <i>Biomaterials Science</i> , 2015, 3, 842-851.	2.6	14
33	Modification of fluororous substrates with oligo(ethylene glycol) via "click" chemistry for long-term resistance of cell adhesion. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 112-118.	5.0	5
34	"Click" Immobilization of a VEGF-Mimetic Peptide on Decellularized Endothelial Extracellular Matrix to Enhance Angiogenesis. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8401-8406.	4.0	35