Zhiling Zhu

List of Publications by Year
in descending order

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34 papers	1,261 citations	331538 21 h-index	395590 33 g-index
34 all docs	34 docs citations	34 times ranked	1368 citing authors

#	Article	IF	Citations
1	Copper-catalyzed click reaction on/in live cells. Chemical Science, 2017, 8, 2107-2114.	3.7	102
2	Antimicrobial strategies for urinary catheters. Journal of Biomedical Materials Research - Part A, 2019, 107, 445-467.	2.1	90
3	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
4	Boosting antibacterial activity with mesoporous silica nanoparticles supported silver nanoclusters. Journal of Colloid and Interface Science, 2019, 555, 470-479.	5.0	84
5	Silver Peroxide Nanoparticles for Combined Antibacterial Sonodynamic and Photothermal Therapy. Small, 2022, 18, e2104160.	5.2	76
6	Extent of the Oxidative Side Reactions to Peptides and Proteins During the CuAAC Reaction. Bioconjugate Chemistry, 2016, 27, 2315-2322.	1.8	71
7	Antibacterial Activity of Graphdiyne and Graphdiyne Oxide. Small, 2020, 16, e2001440.	5.2	71
8	Boron doped graphdiyne: A metal-free peroxidase mimetic nanozyme for antibacterial application. Nano Research, 2022, 15, 1446-1454.	5.8	64
9	Plasmonic Nanozyme of Graphdiyne Nanowalls Wrapped Hollow Copper Sulfide Nanocubes for Rapid Bacteriaâ€Killing. Advanced Functional Materials, 2022, 32, .	7.8	61
10	Silver Dopingâ€Induced Luminescence Enhancement and Redâ€Shift of Gold Nanoclusters with Aggregationâ€Induced Emission. Chemistry - an Asian Journal, 2019, 14, 765-769.	1.7	55
11	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
12	Pomegranate-Like CuO₂@SiO₂ Nanospheres as H₂O₂ Self-Supplying and Robust Oxygen Generators for Enhanced Antibacterial Activity. ACS Applied Materials & Interfaces, 2021, 13, 22169-22181.	4.0	46
13	â€œClickâ€•Immobilization of a VEGF-Mimetic Peptide on Decellularized Endothelial Extracellular Matrix to Enhance Angiogenesis. ACS Applied Materials & Interfaces, 2014, 6, 8401-8406.	4.0	35
14	Plasmon-Enhanced Peroxidase-like Activity of Nitrogen-Doped Graphdiyne Oxide Quantum Dots/Goldâ€“Silver Nanocage Heterostructures for Antimicrobial Applications. Chemistry of Materials, 2022, 34, 1356-1368.	3.2	33
15	Subsequent monitoring of ferric ion and ascorbic acid using graphdiyne quantum dots-based optical sensors. Mikrochimica Acta, 2020, 187, 657.	2.5	30
16	Piezoelectric Activatable Nanozyme-Based Skin Patch for Rapid Wound Disinfection. ACS Applied Materials & Interfaces, 2022, 14, 26455-26468.	4.0	27
17	Biomimetic design of graphdiyne supported hemin for enhanced peroxidase-like activity. Journal of Colloid and Interface Science, 2022, 607, 470-478.	5.0	26
18	Nonmetal Graphdiyne Nanozyme-Based Ferroptosisâ€“Apoptosis Strategy for Colon Cancer Therapy. ACS Applied Materials & Interfaces, 2022, 14, 27720-27732.	4.0	26

#	Article	IF	Citations
19	Gold nanoclusters decorated amine-functionalized graphene oxide nanosheets for capture, oxidative stress, and photothermal destruction of bacteria. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111313.	2.5	23
20	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
21	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
22	Probiotic E. coli Nissle 1917 biofilms on silicone substrates for bacterial interference against pathogen colonization. Acta Biomaterialia, 2017, 50, 353-360.	4.1	22
23	Development of ciprofloxacin-loaded contact lenses using fluorous chemistry. Biomaterials, 2017, 124, 55-64.	5.7	22
24	Coating of silicone with mannoside-PAMAM dendrimers to enhance formation of non-pathogenic Escherichia coli biofilms against colonization of uropathogens. Acta Biomaterialia, 2017, 64, 200-210.	4.1	19
25	Tripodal amine ligands for accelerating Cu-catalyzed azideâ€“alkyne cycloaddition: efficiency and stability against oxidation and dissociation. Catalysis Science and Technology, 2017, 7, 2474-2485.	2.1	17
26	Surfaces presenting Î±-phenyl mannoside derivatives enable formation of stable, high coverage, non-pathogenic Escherichia coli biofilms against pathogen colonization. Biomaterials Science, 2015, 3, 842-851.	2.6	14
27	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
28	Self-assembled ultrasmall silver nanoclusters on liposome for topical antimicrobial delivery. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111618.	2.5	12
29	Isolation of an acetylide-CuI3-tris(triazolylmethyl)amine complex active in the CuAAC reaction. Journal of Catalysis, 2018, 361, 407-413.	3.1	9
30	Intermediates Stabilized by Tris(triazolylmethyl)amines in the CuAAC Reaction. Chemistry - A European Journal, 2017, 23, 4730-4735.	1.7	8
31	A fluorous biphase 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
32	Ortho-Substituted Î±-Phenyl Mannoside Derivatives Promoted Early-Stage Adhesion and Biofilm Formation of E. coli 83972. ACS Applied Materials & Interfaces, 2020, 12, 21300-21310.	4.0	6
33	Modification of fluorous substrates with oligo(ethylene glycol) via â€œclickâ€•chemistry for long-term resistance of cell adhesion. Journal of Colloid and Interface Science, 2015, 458, 112-118.	5.0	5
34	Study of the adherence of Escherichia coli 83972 on Î±-biphenyl mannoside-presenting PDMS surfaces. Colloids and Interface Science Communications, 2021, 45, 100507.	2.0	0