

Xiaodong Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

3,040
citations

29
h-index

55
g-index

62
ext. papers

3,802
ext. citations

9.1
avg. IF

5.52
L-index

#	Paper	IF	Citations
58	Ultrathin Black Phosphorus Nanosheets for Efficient Singlet Oxygen Generation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11376-82	16.4	715
57	Carbon Dot-Based Platform for Simultaneous Bacterial Distinguishment and Antibacterial Applications. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32170-32181	9.5	200
56	Highly sensitive and selective detection of dopamine using one-pot synthesized highly photoluminescent silicon nanoparticles. <i>Analytical Chemistry</i> , 2015 , 87, 3360-5	7.8	185
55	Enhanced fluorescence of gold nanoclusters composed of HAuCl ₄ and histidine by glutathione: glutathione detection and selective cancer cell imaging. <i>Small</i> , 2014 , 10, 5170-7	11	145
54	Shape-Dependent Radiosensitization Effect of Gold Nanostructures in Cancer Radiotherapy: Comparison of Gold Nanoparticles, Nanospikes, and Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13037-13048	9.5	139
53	Quaternized Silicon Nanoparticles with Polarity-Sensitive Fluorescence for Selectively Imaging and Killing Gram-Positive Bacteria. <i>Advanced Functional Materials</i> , 2016 , 26, 5958-5970	15.6	117
52	Enhanced Radiosensitization of Gold Nanospikes via Hyperthermia in Combined Cancer Radiation and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28480-28494	9.5	94
51	One-step synthesis of carbon dots with bacterial contact-enhanced fluorescence emission: Fast Gram-type identification and selective Gram-positive bacterial inactivation. <i>Carbon</i> , 2019 , 146, 827-839	10.4	91
50	One-Step Synthesis of Ultrasmall and Ultrabright Organosilica Nanodots with 100% Photoluminescence Quantum Yield: Long-Term Lysosome Imaging in Living, Fixed, and Permeabilized Cells. <i>Nano Letters</i> , 2018 , 18, 1159-1167	11.5	83
49	One-Step Synthesis of Superbright Water-Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80%. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500360	4.6	77
48	A Glucose/Oxygen-Exhausting Nanoreactor for Starvation- and Hypoxia-Activated Sustainable and Cascade Chemo-Chemodynamic Therapy. <i>Small</i> , 2020 , 16, e2000897	11	73
47	Effects of surface charges of gold nanoclusters on long-term in vivo biodistribution, toxicity, and cancer radiation therapy. <i>International Journal of Nanomedicine</i> , 2016 , 11, 3475-85	7.3	61
46	Multifunctional quaternized carbon dots with enhanced biofilm penetration and eradication efficiencies. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5104-5114	7.3	57
45	Glutathione-Depleting Gold Nanoclusters for Enhanced Cancer Radiotherapy through Synergistic External and Internal Regulations. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10601-10606	9.5	55
44	Hydrogel-based phototherapy for fighting cancer and bacterial infection. <i>Science China Materials</i> , 2017 , 60, 487-503	7.1	54
43	Metal-Phenolic Network-Based Nanocomplexes that Evoke Ferroptosis by Apoptosis: Promoted Nuclear Drug Influx and Reversed Drug Resistance of Cancer. <i>Chemistry of Materials</i> , 2019 , 31, 10071-10084	8.6	53
42	Construction of Dually Responsive Nanotransformers with Nanosphere-Nanofiber-Nanosphere Transition for Overcoming the Size Paradox of Anticancer Nanodrugs. <i>ACS Nano</i> , 2019 , 13, 11781-11792	16.7	52

41	Ultrasmall and photostable nanotheranostic agents based on carbon quantum dots passivated with polyamine-containing organosilane molecules. <i>Nanoscale</i> , 2017 , 9, 15441-15452	7.7	52
40	Water-Dispersible Candle Soot-Derived Carbon Nano-Onion Clusters for Imaging-Guided Photothermal Cancer Therapy. <i>Small</i> , 2019 , 15, e1804575	11	52
39	Rapid microwave-assisted synthesis of ultra-bright fluorescent carbon dots for live cell staining, cell-specific targeting and in vivo imaging. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4786-4789	7.3	47
38	Subcellular Fate of a Fluorescent Cholesterol-Poly(ethylene glycol) Conjugate: An Excellent Plasma Membrane Imaging Reagent. <i>Langmuir</i> , 2016 , 32, 10126-10135	4	46
37	Enhanced Fluorescence Emission and Singlet Oxygen Generation of Photosensitizers Embedded in Injectable Hydrogels for Imaging-Guided Photodynamic Cancer Therapy. <i>Biomacromolecules</i> , 2017 , 18, 3073-3081	6.9	40
36	Metal-Organic Framework Derived Multicomponent Nanoagent as a Reactive Oxygen Species Amplifier for Enhanced Photodynamic Therapy. <i>ACS Nano</i> , 2020 , 14, 13500-13511	16.7	40
35	A graphene oxide-based switch-on fluorescent probe for glutathione detection and cancer diagnosis. <i>Journal of Colloid and Interface Science</i> , 2018 , 530, 511-520	9.3	38
34	Endosome/lysosome-detained supramolecular nanogels as an efflux retarder and autophagy inhibitor for repeated photodynamic therapy of multidrug-resistant cancer. <i>Nanoscale Horizons</i> , 2020 , 5, 481-487	10.8	37
33	Smart Supramolecular Trojan Horse-Inspired Nanogels for Realizing Light-Triggered Nuclear Drug Influx in Drug-Resistant Cancer Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1807772	15.6	34
32	Antimicrobial carbon nanospheres. <i>Nanoscale</i> , 2017 , 9, 15786-15795	7.7	32
31	Palladium nanosheet-knotted injectable hydrogels formed via palladium-sulfur bonding for synergistic chemo-photothermal therapy. <i>Nanoscale</i> , 2020 , 12, 210-219	7.7	31
30	Supramolecular Nanogel-Based Universal Drug Carriers Formed by Soft-Hard Co-Assembly: Accurate Cancer Diagnosis and Hypoxia-Activated Cancer Therapy. <i>Advanced Therapeutics</i> , 2019 , 2, 1800140	14.0	30
29	Synthesis of ultrastable and multifunctional gold nanoclusters with enhanced fluorescence and potential anticancer drug delivery application. <i>Journal of Colloid and Interface Science</i> , 2015 , 455, 6-15	9.3	27
28	Visible to Near-Infrared Fluorescence Enhanced Cellular Imaging on Plasmonic Gold Chips. <i>Small</i> , 2016 , 12, 457-65	11	26
27	Detecting Surface Hydration of Poly(2-hydroxyethyl methacrylate) in Solution in situ. <i>Macromolecules</i> , 2016 , 49, 3116-3125	5.5	25
26	One-Step Synthesis of Epoxy Group-Terminated Organosilica Nanodots: A Versatile Nanoplatfom for Imaging and Eliminating Multidrug-Resistant Bacteria and Their Biofilms. <i>Small</i> , 2019 , 15, e1901647	11	24
25	Copper Oxide Nanoparticles Induce Enhanced Radiosensitizing Effect via Destructive Autophagy. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 1569-1579	5.5	23
24	Size-Transformable Nanostructures: From Design to Biomedical Applications. <i>Advanced Materials</i> , 2020 , 32, e2003752	24	22

23	Role of Cholesterol Conjugation in the Antibacterial Photodynamic Therapy of Branched Polyethylenimine-Containing Nanoagents. <i>Langmuir</i> , 2019 , 35, 14324-14331	4	19
22	Colorimetric and test stripe-based assay of bacteria by using vancomycin-modified gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 408-414	8.5	19
21	Colistin-Loaded Polydopamine Nanospheres Uniformly Decorated with Silver Nanodots: A Nanohybrid Platform with Improved Antibacterial and Antibiofilm Performance.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2438-2448	4.1	19
20	Ultrasmall green-emitting carbon nanodots with 80% photoluminescence quantum yield for lysosome imaging. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	17
19	Superbright organosilica nanodots as a universal sensor for fast discrimination and accurate quantification of live/dead cells. <i>Sensors and Actuators B: Chemical</i> , 2019 , 295, 49-55	8.5	15
18	Naphthalimide-based multifunctional AIEgens: Selective, fast, and wash-free fluorescence tracking and identification of Gram-positive bacteria. <i>Analytica Chimica Acta</i> , 2021 , 1146, 41-52	6.6	12
17	Dual Gate-Controlled Therapeutics for Overcoming Bacterium-Induced Drug Resistance and Potentiating Cancer Immunotherapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14013-14021	16.4	10
16	Sequential Treatment of Cell Cycle Regulator and Nanoradiosensitizer Achieves Enhanced Radiotherapeutic Outcome.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2050-2059	4.1	7
15	Palladium Nanosheets as Safe Radiosensitizers for Radiotherapy. <i>Langmuir</i> , 2020 , 36, 11637-11644	4	7
14	Nanozymes: Versatile Platforms for Cancer Diagnosis and Therapy.. <i>Nano-Micro Letters</i> , 2022 , 14, 95	19.5	6
13	Naturally Occurring Exopolysaccharide Nanoparticles: Formation Process and Their Application in Glutathione Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19756-19767	9.5	5
12	Quantum Dots for Cancer Therapy and Bioimaging. <i>Nanomedicine and Nanotoxicology</i> , 2018 , 89-135	0.3	4
11	Porous catalytic membranes for CO2 conversion. <i>Journal of Energy Chemistry</i> , 2021 ,	12	4
10	Rationally designed upconversion nanoparticles for NIR light-controlled lysosomal escape and nucleus-based photodynamic therapy. <i>Mikrochimica Acta</i> , 2021 , 188, 349	5.8	4
9	Thiolate-Assisted Route for Constructing Chalcogen Quantum Dots with Photoinduced Fluorescence Enhancement. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48449-48456	9.5	3
8	Tumor Microenvironment Activated Chemodynamic Photodynamic Therapy by Multistage Self-Assembly Engineered Protein Nanomedicine. <i>Advanced Functional Materials</i> , 2112251	15.6	2
7	Dual Gate-Controlled Therapeutics for Overcoming Bacterium-Induced Drug Resistance and Potentiating Cancer Immunotherapy. <i>Angewandte Chemie</i> , 2021 , 133, 14132-14140	3.6	2
6	Missing-Linker-Assisted Artesunate Delivery by Metal-Organic Frameworks for Synergistic Cancer Treatment. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26254-26259	16.4	2

5	Rose bengal-loaded injectable hydrogel with enhanced anticancer and antibacterial efficacy. <i>Journal of Controlled Release</i> , 2017 , 259, e147	11.7	1
4	Film-facilitated formation of ferrocenecarboxylic acid-embedded metal-organic framework nanoparticles for sonodynamic osteosarcoma treatment. <i>Materials Today Chemistry</i> , 2022 , 24, 100842	6.2	1
3	GMT8 aptamer conjugated PEGylated Ag@Au core-shell nanoparticles as a novel radiosensitizer for targeted radiotherapy of glioma.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 211, 112330	6	0
2	Carbon Nanodots for Cell Imaging 2020 , 49-75		0
1	Silicon Nanoparticles for Cell Imaging 2020 , 77-95		