Xiaodong Zhang

List of Publications by Year
in descending order

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60 papers	4,472 citations	109137 35 h-index	138251 58 g-index
62 all docs	62 docs citations	62 times ranked	6216 citing authors

#	Article	IF	Citations
1	Tumor Microenvironment Activated Chemodynamicâ€"Photodynamic Therapy by Multistage Selfâ€Assembly Engineered Protein Nanomedicine. Advanced Functional Materials, 2022, 32, .	7.8	15
2	GMT8 aptamer conjugated PEGylated Ag@Au core-shell nanoparticles as a novel radiosensitizer for targeted radiotherapy of glioma. Colloids and Surfaces B: Biointerfaces, 2022, 211, 112330.	2.5	13
3	Nanozymes: Versatile Platforms for Cancer Diagnosis and Therapy. Nano-Micro Letters, 2022, 14, 95.	14.4	82
4	Film-facilitated formation of ferrocenecarboxylic acid-embedded metal-organic framework nanoparticles for sonodynamic osteosarcoma treatment. Materials Today Chemistry, 2022, 24, 100842.	1.7	4
5	Nanosystems for Immune Regulation against Bacterial Infections: A Review. ACS Applied Nano Materials, 2022, 5, 13959-13971.	2.4	6
6	Naphthalimide-based multifunctional AIEgens: Selective, fast, and wash-free fluorescence tracking and identification of Gram-positive bacteria. Analytica Chimica Acta, 2021, 1146, 41-52.	2.6	28
7	Ultrasmall green-emitting carbon nanodots with 80% photoluminescence quantum yield for lysosome imaging. Chinese Chemical Letters, 2021, 32, 3048-3052.	4.8	50
8	Naturally Occurring Exopolysaccharide Nanoparticles: Formation Process and Their Application in Glutathione Detection. ACS Applied Materials & Interfaces, 2021, 13, 19756-19767.	4.0	16
9	Dual Gateâ€Controlled Therapeutics for Overcoming Bacteriumâ€Induced Drug Resistance and Potentiating Cancer Immunotherapy. Angewandte Chemie, 2021, 133, 14132-14140.	1.6	4
10	Dual Gateâ€Controlled Therapeutics for Overcoming Bacteriumâ€Induced Drug Resistance and Potentiating Cancer Immunotherapy. Angewandte Chemie - International Edition, 2021, 60, 14013-14021.	7.2	42
11	Porous catalytic membranes for CO2 conversion. Journal of Energy Chemistry, 2021, 63, 74-86.	7.1	14
12	Rationally designed upconversion nanoparticles for NIR light-controlled lysosomal escape and nucleus-based photodynamic therapy. Mikrochimica Acta, 2021, 188, 349.	2.5	12
13	Missingâ€Linkerâ€Assisted Artesunate Delivery by Metalâ€"Organic Frameworks for Synergistic Cancer Treatment. Angewandte Chemie - International Edition, 2021, 60, 26254-26259.	7.2	28
14	Thiolate-Assisted Route for Constructing Chalcogen Quantum Dots with Photoinduced Fluorescence Enhancement. ACS Applied Materials & Interfaces, 2021, 13, 48449-48456.	4.0	8
15	Endosome/lysosome-detained supramolecular nanogels as an efflux retarder and autophagy inhibitor for repeated photodynamic therapy of multidrug-resistant cancer. Nanoscale Horizons, 2020, 5, 481-487.	4.1	54
16	Palladium nanosheet-knotted injectable hydrogels formed via palladiumâ€"sulfur bonding for synergistic chemo-photothermal therapy. Nanoscale, 2020, 12, 210-219.	2.8	42
17	Sizeâ€Transformable Nanostructures: From Design to Biomedical Applications. Advanced Materials, 2020, 32, e2003752.	11.1	52
18	Palladium Nanosheets as Safe Radiosensitizers for Radiotherapy. Langmuir, 2020, 36, 11637-11644.	1.6	15

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19	Metalâ€“Organic Framework Derived Multicomponent Nanoagent as a Reactive Oxygen Species Amplifier for Enhanced Photodynamic Therapy. ACS Nano, 2020, 14, 13500-13511.	7.3	75
20	A Glucose/Oxygenâ€Exhausting Nanoreactor for Starvationâ€•and Hypoxiaâ€Activated Sustainable and Cascade Chemoâ€Chemodynamic Therapy. Small, 2020, 16, e2000897.	5.2	154
21	Colistin-Loaded Polydopamine Nanospheres Uniformly Decorated with Silver Nanodots: A Nanohybrid Platform with Improved Antibacterial and Antibiofilm Performance. ACS Applied Bio Materials, 2020, 3, 2438-2448.	2.3	38
22	Carbon Nanodots for Cell Imaging. , 2020, , 49-75.		1
23	Silicon Nanoparticles for Cell Imaging. , 2020, , 77-95.		0
24	Multifunctional quaternized carbon dots with enhanced biofilm penetration and eradication efficiencies. Journal of Materials Chemistry B, 2019, 7, 5104-5114.	2.9	95
25	Oneâ€Step Synthesis of Epoxy Groupâ€Terminated Organosilica Nanodots: A Versatile Nanoplatform for Imaging and Eliminating Multidrugâ€Resistant Bacteria and Their Biofilms. Small, 2019, 15, e1901647.	5.2	41
26	Construction of Dually Responsive Nanotransformers with Nanosphereâ€“Nanofiberâ€“Nanosphere Transition for Overcoming the Size Paradox of Anticancer Nanodrugs. ACS Nano, 2019, 13, 11781-11792.	7.3	84
27	Role of Cholesterol Conjugation in the Antibacterial Photodynamic Therapy of Branched Polyethylenimine-Containing Nanoagents. Langmuir, 2019, 35, 14324-14331.	1.6	35
28	Superbright organosilica nanodots as a universal sensor for fast discrimination and accurate quantification of live/dead cells. Sensors and Actuators B: Chemical, 2019, 295, 49-55.	4.0	19
29	Supramolecular Nanogelâ€Based Universal Drug Carriers Formed by â€œSoftâ€“Hardâ€•Coâ€Assembly: Accurate Cancer Diagnosis and Hypoxiaâ€Activated Cancer Therapy. Advanced Therapeutics, 2019, 2, 1800140.	1.6	40
30	Sequential Treatment of Cell Cycle Regulator and Nanoradiosensitizer Achieves Enhanced Radiotherapeutic Outcome. ACS Applied Bio Materials, 2019, 2, 2050-2059.	2.3	10
31	Copper Oxide Nanoparticles Induce Enhanced Radiosensitizing Effect via Destructive Autophagy. ACS Biomaterials Science and Engineering, 2019, 5, 1569-1579.	2.6	40
32	Waterâ€Dispersible Candle Sootâ€“Derived Carbon Nanoâ€Onion Clusters for Imagingâ€Guided Photothermal Cancer Therapy. Small, 2019, 15, e1804575.	5.2	80
33	One-step synthesis of carbon dots with bacterial contact-enhanced fluorescence emission: Fast Gram-type identification and selective Gram-positive bacterial inactivation. Carbon, 2019, 146, 827-839.	5.4	151
34	Metalâ€“Phenolic Network-Based Nanocomplexes that Evoke Ferroptosis by Apoptosis: Promoted Nuclear Drug Influx and Reversed Drug Resistance of Cancer. Chemistry of Materials, 2019, 31, 10071-10084.	3.2	100
35	Smart Supramolecular â€œTrojan Horseâ€â€•Inspired Nanogels for Realizing Lightâ€Triggered Nuclear Drug Influx in Drugâ€Resistant Cancer Cells. Advanced Functional Materials, 2019, 29, 1807772.	7.8	48
36	Colorimetric and test stripe-based assay of bacteria by using vancomycin-modified gold nanoparticles. Sensors and Actuators B: Chemical, 2019, 281, 408-414.	4.0	33

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37	One-Step Synthesis of Ultrasmall and Ultrabright Organosilica Nanodots with 100% Photoluminescence Quantum Yield: Long-Term Lysosome Imaging in Living, Fixed, and Permeabilized Cells. Nano Letters, 2018, 18, 1159-1167.	4.5	120
38	Glutathione-Depleting Gold Nanoclusters for Enhanced Cancer Radiotherapy through Synergistic External and Internal Regulations. ACS Applied Materials & Interfaces, 2018, 10, 10601-10606.	4.0	84
39	A graphene oxide-based switch-on fluorescent probe for glutathione detection and cancer diagnosis. Journal of Colloid and Interface Science, 2018, 530, 511-520.	5.0	55
40	Quantum Dots for Cancer Therapy and Bioimaging. Nanomedicine and Nanotoxicology, 2018, , 89-135.	0.1	6
41	Hydrogel-based phototherapy for fighting cancer and bacterial infection. Science China Materials, 2017, 60, 487-503.	3.5	78
42	Shape-Dependent Radiosensitization Effect of Gold Nanostructures in Cancer Radiotherapy: Comparison of Gold Nanoparticles, Nanospikes, and Nanorods. ACS Applied Materials & Interfaces, 2017, 9, 13037-13048.	4.0	175
43	Enhanced Fluorescence Emission and Singlet Oxygen Generation of Photosensitizers Embedded in Injectable Hydrogels for Imaging-Guided Photodynamic Cancer Therapy. Biomacromolecules, 2017, 18, 3073-3081.	2.6	47
44	Ultrasmall and photostable nanotheranostic agents based on carbon quantum dots passivated with polyamine-containing organosilane molecules. Nanoscale, 2017, 9, 15441-15452.	2.8	67
45	Antimicrobial carbon nanospheres. Nanoscale, 2017, 9, 15786-15795.	2.8	43
46	Rose bengal-loaded injectable hydrogel with enhanced anticancer and antibacterial efficacy. Journal of Controlled Release, 2017, 259, e147.	4.8	2
47	Effects of surface charges of gold nanoclusters on long-term in vivo biodistribution, toxicity, and cancer radiation therapy. International Journal of Nanomedicine, 2016, Volume 11, 3475-3485.	3.3	78
48	Visible to Near-Infrared Fluorescence Enhanced Cellular Imaging on Plasmonic Gold Chips. Small, 2016, 12, 457-465.	5.2	33
49	Detecting Surface Hydration of Poly(2-hydroxyethyl methacrylate) in Solution in situ. Macromolecules, 2016, 49, 3116-3125.	2.2	30
50	Subcellular Fate of a Fluorescent Cholesterol-Poly(ethylene glycol) Conjugate: An Excellent Plasma Membrane Imaging Reagent. Langmuir, 2016, 32, 10126-10135.	1.6	52
51	Enhanced Radiosensitization of Gold Nanospikes via Hyperthermia in Combined Cancer Radiation and Photothermal Therapy. ACS Applied Materials & Interfaces, 2016, 8, 28480-28494.	4.0	124
52	Quaternized Silicon Nanoparticles with Polarityâ€Sensitive Fluorescence for Selectively Imaging and Killing Gramâ€Positive Bacteria. Advanced Functional Materials, 2016, 26, 5958-5970.	7.8	150
53	Carbon Dot-Based Platform for Simultaneous Bacterial Distinguishment and Antibacterial Applications. ACS Applied Materials & Interfaces, 2016, 8, 32170-32181.	4.0	285
54	Oneâ€Step Synthesis of Superbright Waterâ€Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80%. Advanced Materials Interfaces, 2015, 2, 1500360.	1.9	107

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55	Synthesis of ultrastable and multifunctional gold nanoclusters with enhanced fluorescence and potential anticancer drug delivery application. Journal of Colloid and Interface Science, 2015, 455, 6-15.	5.0	29
56	Highly Sensitive and Selective Detection of Dopamine Using One-Pot Synthesized Highly Photoluminescent Silicon Nanoparticles. Analytical Chemistry, 2015, 87, 3360-3365.	3.2	237
57	Rapid microwave-assisted synthesis of ultra-bright fluorescent carbon dots for live cell staining, cell-specific targeting and in vivo imaging. Journal of Materials Chemistry B, 2015, 3, 4786-4789.	2.9	50
58	Ultrathin Black Phosphorus Nanosheets for Efficient Singlet Oxygen Generation. Journal of the American Chemical Society, 2015, 137, 11376-11382.	6.6	891
59	Enhanced Fluorescence of Gold Nanoclusters Composed of HAuCl₄ and Histidine by Glutathione: Glutathione Detection and Selective Cancer Cell Imaging. Small, 2014, 10, 5170-5177.	5.2	197
60	Missingâ€Linkerâ€Assisted Artesunate Delivery by Metalâ€Organic Frameworks for Synergistic Cancer Treatment. Angewandte Chemie, 0, , .	1.6	2