Yiling Zhong

List of Publications by Year
in descending order

50 papers	4,165 citations	147801 31 h-index	155660 55 g-index
56 all docs	56 docs citations	56 times ranked	5027 citing authors

#	Article	IF	Citations
1	Silicon Nanomaterials Platform for Bioimaging, Biosensing, and Cancer Therapy. Accounts of Chemical Research, 2014, 47, 612-623.	15.6	445
2	Large-Scale Aqueous Synthesis of Fluorescent and Biocompatible Silicon Nanoparticles and Their Use as Highly Photostable Biological Probes. Journal of the American Chemical Society, 2013, 135, 8350-8356.	13.7	386
3	Silicon nanowires-based highly-efficient SERS-active platform for ultrasensitive DNA detection. Nano Today, 2011, 6, 122-130.	11.9	257
4	One-Pot Microwave Synthesis of Water-Dispersible, Ultraphoto- and pH-Stable, and Highly Fluorescent Silicon Quantum Dots. Journal of the American Chemical Society, 2011, 133, 14192-14195.	13.7	249
5	Facile, Large-Quantity Synthesis of Stable, Tunable-Color Silicon Nanoparticles and Their Application for Long-Term Cellular Imaging. ACS Nano, 2015, 9, 5958-5967.	14.6	209
6	Design of therapeutic biomaterials to control inflammation. Nature Reviews Materials, 2022, 7, 557-574.	48.7	187
7	In vivo distribution, pharmacokinetics, and toxicity of aqueous synthesized cadmium-containing quantum dots. Biomaterials, 2011, 32, 5855-5862.	11.4	177
8	Gold Nanoparticles-Decorated Silicon Nanowires as Highly Efficient Near-Infrared Hyperthermia Agents for Cancer Cells Destruction. Nano Letters, 2012, 12, 1845-1850.	9.1	162
9	Waterâ€Dispersed Nearâ€Infraredâ€Emitting Quantum Dots of Ultrasmall Sizes for Inâ€…Vitro and Inâ€…Vivo Imaging. Angewandte Chemie - International Edition, 2011, 50, 5695-5698.	13.8	124
10	Microwaveâ€Assisted Synthesis of Biofunctional and Fluorescent Silicon Nanoparticles Using Proteins as Hydrophilic Ligands. Angewandte Chemie - International Edition, 2012, 51, 8485-8489.	13.8	123
11	Siliconâ€Nanowireâ€Based Nanocarriers with Ultrahigh Drugâ€Loading Capacity for Inâ€…Vitro and Inâ€…Vivo Cancer Therapy. Angewandte Chemie - International Edition, 2013, 52, 1457-1461.	13.8	115
12	Biomimetic Preparation and Dual-Color Bioimaging of Fluorescent Silicon Nanoparticles. Journal of the American Chemical Society, 2015, 137, 14726-14732.	13.7	111
13	Fluorescent and magnetic anti-counterfeiting realized by biocompatible multifunctional silicon nanoshuttle-based security ink. Nanoscale, 2018, 10, 1617-1621.	5.6	107
14	Highly Fluorescent, Photostable, and Ultrasmall Silicon Drug Nanocarriers for Longâ€Term Tumor Cell Tracking and Inâ€Vivo Cancer Therapy. Advanced Materials, 2015, 27, 1029-1034.	21.0	105
15	Silicon Nanowire-Based Molecular Beacons for High-Sensitivity and Sequence-Specific DNA Multiplexed Analysis. ACS Nano, 2012, 6, 2582-2590.	14.6	100
16	Largeâ€Scale Green Synthesis of Fluorescent Carbon Nanodots and Their Use in Optics Applications. Advanced Optical Materials, 2015, 3, 103-111.	7.3	93
17	One-Dimensional Fluorescent Silicon Nanorods Featuring Ultrahigh Photostability, Favorable Biocompatibility, and Excitation Wavelength-Dependent Emission Spectra. Journal of the American Chemical Society, 2016, 138, 4824-4831.	13.7	88
18	A Molecular Beaconâ€Based Signalâ€Off Surfaceâ€Enhanced Raman Scattering Strategy for Highly Sensitive, Reproducible, and Multiplexed DNA Detection. Small, 2013, 9, 2493-2499.	10.0	87

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19	Surface-Enhanced Raman Scattering-Based Sensing In Vitro: Facile and Label-Free Detection of Apoptotic Cells at the Single-Cell Level. Analytical Chemistry, 2013, 85, 2809-2816.	6.5	85
20	Fluorescent quantum dots: Synthesis, biomedical optical imaging, and biosafety assessment. Colloids and Surfaces B: Biointerfaces, 2014, 124, 132-139.	5.0	75
21	Peptide-Conjugated Fluorescent Silicon Nanoparticles Enabling Simultaneous Tracking and Specific Destruction of Cancer Cells. Analytical Chemistry, 2015, 87, 6718-6723.	6.5	71
22	Plant-derived fluorescent silicon nanoparticles featuring excitation wavelength-dependent fluorescence spectra for anti-counterfeiting applications. Chemical Communications, 2016, 52, 7047-7050.	4.1	65
23	Doxorubicin-loaded silicon nanowires for the treatment of drug-resistant cancer cells. Biomaterials, 2014, 35, 5188-5195.	11.4	64
24	Highly Luminescent Waterâ€Dispersible Silicon Nanowires for Longâ€Term Immunofluorescent Cellular Imaging. Angewandte Chemie - International Edition, 2011, 50, 3080-3083.	13.8	60
25	Photostable water-dispersible NIR-emitting CdTe/CdS/ZnS coreâ€"shellâ€"shell quantum dots for high-resolution tumor targeting. Biomaterials, 2013, 34, 9509-9518.	11.4	47
26	InÂvivo behavior of near infrared-emitting quantum dots. Biomaterials, 2013, 34, 4302-4308.	11.4	42
27	In vitro cellular behaviors and toxicity assays of small-sized fluorescent silicon nanoparticles. Nanoscale, 2017, 9, 7602-7611.	5.6	41
28	A Cationic Metalâ€"Organic Framework to Scavenge Cell-Free DNA for Severe Sepsis Management. Nano Letters, 2021, 21, 2461-2469.	9.1	39
29	Aqueous synthesized quantum dots interfere with the NF-ÎºB pathway and confer anti-tumor, anti-viral and anti-inflammatory effects. Biomaterials, 2016, 108, 187-196.	11.4	37
30	Aqueous synthesized near-infrared-emitting quantum dots for RGD-based<i>in vivo</i>active tumour targeting. Nanotechnology, 2013, 24, 135101.	2.6	36
31	Photostable and Biocompatible Fluorescent Silicon Nanoparticles for Imaging-Guided Co-Delivery of siRNA and Doxorubicin to Drug-Resistant Cancer Cells. Nano-Micro Letters, 2019, 11, 27.	27.0	36
32	DAMPs/PAMPs induce monocytic TLR activation and tolerance in COVID-19 patients; nucleic acid binding scavengers can counteract such TLR agonists. Biomaterials, 2022, 283, 121393.	11.4	34
33	The in vivo targeted molecular imaging of fluorescent silicon nanoparticles in Caenorhabditis elegans. Nano Research, 2018, 11, 2336-2346.	10.4	33
34	A Silicon Nanowireâ€Based Electrochemical Sensor with High Sensitivity and Electrocatalytic Activity. Particle and Particle Systems Characterization, 2013, 30, 326-331.	2.3	25
35	Stem-loop DNA-assisted silicon nanowires-based biochemical sensors with ultra-high sensitivity, specificity, and multiplexing capability. Nanoscale, 2014, 6, 9215.	5.6	25
36	Fluorescent silicon nanoparticles utilized as stable color converters for white light-emitting diodes. Applied Physics Letters, 2015, 106, .	3.3	25

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37	Linking Subcellular Disturbance to Physiological Behavior and Toxicity Induced by Quantum Dots in <i>Caenorhabditis elegans</i>. Small, 2016, 12, 3143-3154.	10.0	22
38	Fluorescent silicon nanoparticle-based gene carriers featuring strong photostability and feeble cytotoxicity. Nano Research, 2016, 9, 3027-3037.	10.4	19
39	Fluorescein sodium ligand-modified silicon nanoparticles produce ultrahigh fluorescence with robust pH- and photo-stability. Chemical Communications, 2019, 55, 365-368.	4.1	19
40	Biocompatible protamine sulfate@silicon nanoparticle-based gene nanocarriers featuring strong and stable fluorescence. Nanoscale, 2018, 10, 14455-14463.	5.6	16
41	In situ rapid growth of fluorescent silicon nanoparticles at room temperature and under atmospheric pressure. Chemical Communications, 2016, 52, 13444-13447.	4.1	14
42	One-dimensional silicon nanoshuttles simultaneously featuring fluorescent and magnetic properties. Chemical Communications, 2017, 53, 6957-6960.	4.1	9
43	Distinct autophagy-inducing abilities of similar-sized nanoparticles in cell culture and live<i>C. elegans</i>. Nanoscale, 2018, 10, 23059-23069.	5.6	9
44	Subcellular distribution and cellular self-repair ability of fluorescent quantum dots emitting in the visible to near-infrared region. Nanotechnology, 2017, 28, 045101.	2.6	6
45	Silicon nanowire-based therapeutic agents for in vivo tumor near-infrared photothermal ablation. Journal of Materials Chemistry B, 2014, 2, 2892.	5.8	5
46	A silicon-based electrochemical sensor for highly sensitive, specific, label-free and real-time DNA detection. Nanotechnology, 2013, 24, 444012.	2.6	4
47	Aqueous synthesis of three-dimensional fluorescent silicon-based nanoscale networks featuring unusual anti-photobleaching properties. Chemical Communications, 2019, 55, 652-655.	4.1	4
48	DNA Detection: A Molecular Beacon-Based Signal-Off Surface-Enhanced Raman Scattering Strategy for Highly Sensitive, Reproducible, and Multiplexed DNA Detection (Small 15/2013). Small, 2013, 9, 2652-2652.	10.0	2
49	Silicon Drug Nanocarriers: Highly Fluorescent, Photostable, and Ultrasmall Silicon Drug Nanocarriers for Longâ€Term Tumor Cell Tracking and Inâ€Vivo Cancer Therapy (Adv. Mater. 6/2015). Advanced Materials, 2015, 27, 1131-1131.	21.0	2
50	Back Cover: Highly Luminescent Waterâ€Dispersible Silicon Nanowires for Longâ€Term Immunofluorescent Cellular Imaging (Angew. Chem. Int. Ed. 13/2011). Angewandte Chemie - International Edition, 2011, 50, 3090-3090.	13.8	0