

Yiling Zhong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/405223/publications.pdf>

Version: 2024-02-01

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 | DAMPs/PAMPs induce monocytic TLR activation and tolerance in COVID-19 patients; nucleic acid binding scavengers can counteract such TLR agonists. <i>Biomaterials</i> , 2022, 283, 121393. | 11.4 | 34 |
| 2 | Design of therapeutic biomaterials to control inflammation. <i>Nature Reviews Materials</i> , 2022, 7, 557-574. | 48.7 | 187 |
| 3 | A Cationic Metal-Organic Framework to Scavenge Cell-Free DNA for Severe Sepsis Management. <i>Nano Letters</i> , 2021, 21, 2461-2469. | 9.1 | 39 |
| 4 | Fluorescein sodium ligand-modified silicon nanoparticles produce ultrahigh fluorescence with robust pH- and photo-stability. <i>Chemical Communications</i> , 2019, 55, 365-368. | 4.1 | 19 |
| 5 | Aqueous synthesis of three-dimensional fluorescent silicon-based nanoscale networks featuring unusual anti-photobleaching properties. <i>Chemical Communications</i> , 2019, 55, 652-655. | 4.1 | 4 |
| 6 | Photostable and Biocompatible Fluorescent Silicon Nanoparticles for Imaging-Guided Co-Delivery of siRNA and Doxorubicin to Drug-Resistant Cancer Cells. <i>Nano-Micro Letters</i> , 2019, 11, 27. | 27.0 | 36 |
| 7 | Fluorescent and magnetic anti-counterfeiting realized by biocompatible multifunctional silicon nanoshuttle-based security ink. <i>Nanoscale</i> , 2018, 10, 1617-1621. | 5.6 | 107 |
| 8 | The in vivo targeted molecular imaging of fluorescent silicon nanoparticles in <i>Caenorhabditis elegans</i> . <i>Nano Research</i> , 2018, 11, 2336-2346. | 10.4 | 33 |
| 9 | Distinct autophagy-inducing abilities of similar-sized nanoparticles in cell culture and live <i>C. elegans</i> . <i>Nanoscale</i> , 2018, 10, 23059-23069. | 5.6 | 9 |
| 10 | Biocompatible protamine sulfate@silicon nanoparticle-based gene nanocarriers featuring strong and stable fluorescence. <i>Nanoscale</i> , 2018, 10, 14455-14463. | 5.6 | 16 |
| 11 | In vitro cellular behaviors and toxicity assays of small-sized fluorescent silicon nanoparticles. <i>Nanoscale</i> , 2017, 9, 7602-7611. | 5.6 | 41 |
| 12 | One-dimensional silicon nanoshuttles simultaneously featuring fluorescent and magnetic properties. <i>Chemical Communications</i> , 2017, 53, 6957-6960. | 4.1 | 9 |
| 13 | Subcellular distribution and cellular self-repair ability of fluorescent quantum dots emitting in the visible to near-infrared region. <i>Nanotechnology</i> , 2017, 28, 045101. | 2.6 | 6 |
| 14 | Linking Subcellular Disturbance to Physiological Behavior and Toxicity Induced by Quantum Dots in <i>Caenorhabditis elegans</i> . <i>Small</i> , 2016, 12, 3143-3154. | 10.0 | 22 |
| 15 | Plant-derived fluorescent silicon nanoparticles featuring excitation wavelength-dependent fluorescence spectra for anti-counterfeiting applications. <i>Chemical Communications</i> , 2016, 52, 7047-7050. | 4.1 | 65 |
| 16 | In situ rapid growth of fluorescent silicon nanoparticles at room temperature and under atmospheric pressure. <i>Chemical Communications</i> , 2016, 52, 13444-13447. | 4.1 | 14 |
| 17 | Fluorescent silicon nanoparticle-based gene carriers featuring strong photostability and feeble cytotoxicity. <i>Nano Research</i> , 2016, 9, 3027-3037. | 10.4 | 19 |
| 18 | Aqueous synthesized quantum dots interfere with the NF- κ B pathway and confer anti-tumor, anti-viral and anti-inflammatory effects. <i>Biomaterials</i> , 2016, 108, 187-196. | 11.4 | 37 |

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|----|--|------|-----------|
| 19 | One-Dimensional Fluorescent Silicon Nanorods Featuring Ultrahigh Photostability, Favorable Biocompatibility, and Excitation Wavelength-Dependent Emission Spectra. <i>Journal of the American Chemical Society</i> , 2016, 138, 4824-4831. | 13.7 | 88 |
| 20 | Fluorescent silicon nanoparticles utilized as stable color converters for white light-emitting diodes. <i>Applied Physics Letters</i> , 2015, 106, . | 3.3 | 25 |
| 21 | Facile, Large-Quantity Synthesis of Stable, Tunable-Color Silicon Nanoparticles and Their Application for Long-Term Cellular Imaging. <i>ACS Nano</i> , 2015, 9, 5958-5967. | 14.6 | 209 |
| 22 | Large-Scale Green Synthesis of Fluorescent Carbon Nanodots and Their Use in Optics Applications. <i>Advanced Optical Materials</i> , 2015, 3, 103-111. | 7.3 | 93 |
| 23 | Silicon Drug Nanocarriers: Highly Fluorescent, Photostable, and Ultrasmall Silicon Drug Nanocarriers for Long-Term Tumor Cell Tracking and In Vivo Cancer Therapy (<i>Adv. Mater.</i> 6/2015). <i>Advanced Materials</i> , 2015, 27, 1131-1131. | 21.0 | 2 |
| 24 | Peptide-Conjugated Fluorescent Silicon Nanoparticles Enabling Simultaneous Tracking and Specific Destruction of Cancer Cells. <i>Analytical Chemistry</i> , 2015, 87, 6718-6723. | 6.5 | 71 |
| 25 | Biomimetic Preparation and Dual-Color Bioimaging of Fluorescent Silicon Nanoparticles. <i>Journal of the American Chemical Society</i> , 2015, 137, 14726-14732. | 13.7 | 111 |
| 26 | Highly Fluorescent, Photostable, and Ultrasmall Silicon Drug Nanocarriers for Long-Term Tumor Cell Tracking and In Vivo Cancer Therapy. <i>Advanced Materials</i> , 2015, 27, 1029-1034. | 21.0 | 105 |
| 27 | Silicon Nanomaterials Platform for Bioimaging, Biosensing, and Cancer Therapy. <i>Accounts of Chemical Research</i> , 2014, 47, 612-623. | 15.6 | 445 |
| 28 | Silicon nanowire-based therapeutic agents for in vivo tumor near-infrared photothermal ablation. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2892. | 5.8 | 5 |
| 29 | Stem-loop DNA-assisted silicon nanowires-based biochemical sensors with ultra-high sensitivity, specificity, and multiplexing capability. <i>Nanoscale</i> , 2014, 6, 9215. | 5.6 | 25 |
| 30 | Fluorescent quantum dots: Synthesis, biomedical optical imaging, and biosafety assessment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 124, 132-139. | 5.0 | 75 |
| 31 | Doxorubicin-loaded silicon nanowires for the treatment of drug-resistant cancer cells. <i>Biomaterials</i> , 2014, 35, 5188-5195. | 11.4 | 64 |
| 32 | DNA Detection: A Molecular Beacon-Based Signal-Off Surface-Enhanced Raman Scattering Strategy for Highly Sensitive, Reproducible, and Multiplexed DNA Detection (<i>Small</i> 15/2013). <i>Small</i> , 2013, 9, 2652-2652. | 10.0 | 2 |
| 33 | Silicon Nanowire-Based Nanocarriers with Ultrahigh Drug Loading Capacity for In Vitro and In Vivo Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1457-1461. | 13.8 | 115 |
| 34 | Large-Scale Aqueous Synthesis of Fluorescent and Biocompatible Silicon Nanoparticles and Their Use as Highly Photostable Biological Probes. <i>Journal of the American Chemical Society</i> , 2013, 135, 8350-8356. | 13.7 | 386 |
| 35 | A Silicon Nanowire-Based Electrochemical Sensor with High Sensitivity and Electrocatalytic Activity. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 326-331. | 2.3 | 25 |
| 36 | A Molecular Beacon-Based Signal-Off Surface-Enhanced Raman Scattering Strategy for Highly Sensitive, Reproducible, and Multiplexed DNA Detection. <i>Small</i> , 2013, 9, 2493-2499. | 10.0 | 87 |

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|----|--|------|-----------|
| 37 | In Vivo behavior of near infrared-emitting quantum dots. <i>Biomaterials</i> , 2013, 34, 4302-4308. | 11.4 | 42 |
| 38 | Surface-Enhanced Raman Scattering-Based Sensing In Vitro: Facile and Label-Free Detection of Apoptotic Cells at the Single-Cell Level. <i>Analytical Chemistry</i> , 2013, 85, 2809-2816. | 6.5 | 85 |
| 39 | Photostable water-dispersible NIR-emitting CdTe/CdS/ZnS core-shell quantum dots for high-resolution tumor targeting. <i>Biomaterials</i> , 2013, 34, 9509-9518. | 11.4 | 47 |
| 40 | Aqueous synthesized near-infrared-emitting quantum dots for RGD-based <i>in vivo</i> active tumour targeting. <i>Nanotechnology</i> , 2013, 24, 135101. | 2.6 | 36 |
| 41 | A silicon-based electrochemical sensor for highly sensitive, specific, label-free and real-time DNA detection. <i>Nanotechnology</i> , 2013, 24, 444012. | 2.6 | 4 |
| 42 | Gold Nanoparticles-Decorated Silicon Nanowires as Highly Efficient Near-Infrared Hyperthermia Agents for Cancer Cells Destruction. <i>Nano Letters</i> , 2012, 12, 1845-1850. | 9.1 | 162 |
| 43 | Silicon Nanowire-Based Molecular Beacons for High-Sensitivity and Sequence-Specific DNA Multiplexed Analysis. <i>ACS Nano</i> , 2012, 6, 2582-2590. | 14.6 | 100 |
| 44 | Microwave-Assisted Synthesis of Biofunctional and Fluorescent Silicon Nanoparticles Using Proteins as Hydrophilic Ligands. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8485-8489. | 13.8 | 123 |
| 45 | One-Pot Microwave Synthesis of Water-Dispersible, Ultraphoto- and pH-Stable, and Highly Fluorescent Silicon Quantum Dots. <i>Journal of the American Chemical Society</i> , 2011, 133, 14192-14195. | 13.7 | 249 |
| 46 | Water-Dispersed Near-Infrared-Emitting Quantum Dots of Ultrasmall Sizes for <i>In Vitro</i> and <i>In Vivo</i> Imaging. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5695-5698. | 13.8 | 124 |
| 47 | Highly Luminescent Water-Dispersible Silicon Nanowires for Long-Term Immunofluorescent Cellular Imaging. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3080-3083. | 13.8 | 60 |
| 48 | Back Cover: Highly Luminescent Water-Dispersible Silicon Nanowires for Long-Term Immunofluorescent Cellular Imaging (<i>Angew. Chem. Int. Ed.</i> 13/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3090-3090. | 13.8 | 0 |
| 49 | In vivo distribution, pharmacokinetics, and toxicity of aqueous synthesized cadmium-containing quantum dots. <i>Biomaterials</i> , 2011, 32, 5855-5862. | 11.4 | 177 |
| 50 | Silicon nanowires-based highly-efficient SERS-active platform for ultrasensitive DNA detection. <i>Nano Today</i> , 2011, 6, 122-130. | 11.9 | 257 |