# Lihong Jing

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9575282/publications.pdf

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|---|---|---|---|
| 58 papers | 3,509 citations | 172386 29 h-index | 149623 56 g-index |
| 61 all docs | 61 docs citations | 61 times ranked | 6051 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Aqueous Based Semiconductor Nanocrystals. Chemical Reviews, 2016, 116, 10623-10730. | 23.0 | 364 |
| 2 | Biocompatible Semiconductor Quantum Dots as Cancer Imaging Agents. Advanced Materials, 2018, 30, e1706356. | 11.1 | 227 |
| 3 | Lateral Flow Immunochromatographic Assay for Sensitive Pesticide Detection by Using Fe<sub>3</sub>O<sub>4</sub>Nanoparticle Aggregates as Color Reagents. Analytical Chemistry, 2011, 83, 6778-6784. | 3.2 | 216 |
| 4 | Growth mechanism of strongly emitting CH3NH3PbBr3 perovskite nanocrystals with a tunable bandgap. Nature Communications, 2017, 8, 996. | 5.8 | 210 |
| 5 | Dual-Ratiometric Target-Triggered Fluorescent Probe for Simultaneous Quantitative Visualization of Tumor Microenvironment Protease Activity and pH in Vivo. Journal of the American Chemical Society, 2018, 140, 211-218. | 6.6 | 207 |
| 6 | Anchoring Group Effects of Surface Ligands on Magnetic Properties of Fe<sub>3</sub>O<sub>4</sub> Nanoparticles: Towards High Performance MRI Contrast Agents. Advanced Materials, 2014, 26, 2694-2698. | 11.1 | 194 |
| 7 | Coating Aqueous Quantum Dots with Silica via Reverse Microemulsion Method:â€‰ Toward Size-Controllable and Robust Fluorescent Nanoparticles. Chemistry of Materials, 2007, 19, 4123-4128. | 3.2 | 176 |
| 8 | Magnetically Engineered Semiconductor Quantum Dots as Multimodal Imaging Probes. Advanced Materials, 2014, 26, 6367-6386. | 11.1 | 145 |
| 9 | Magnetically engineered Cd-free quantum dots as dual-modality probes for fluorescence/magnetic resonance imaging of tumors. Biomaterials, 2014, 35, 1608-1617. | 5.7 | 110 |
| 10 | Highly Fluorescent CdTe@SiO<sub>2</sub> Particles Prepared via Reverse Microemulsion Method. Chemistry of Materials, 2010, 22, 420-427. | 3.2 | 107 |
| 11 | Aqueous synthesis of CdTe nanocrystals: progresses and perspectives. Chemical Communications, 2011, 47, 9293. | 2.2 | 99 |
| 12 | Biocompatible near-infrared quantum dots delivered to the skin by microneedle patches record vaccination. Science Translational Medicine, 2019, 11, . | 5.8 | 95 |
| 13 | Insight into Strain Effects on Band Alignment Shifts, Carrier Localization and Recombination Kinetics in CdTe/CdS Core/Shell Quantum Dots. Journal of the American Chemical Society, 2015, 137, 2073-2084. | 6.6 | 81 |
| 14 | Materials aspects of semiconductor nanocrystals for optoelectronic applications. Materials Horizons, 2017, 4, 155-205. | 6.4 | 78 |
| 15 | Thermally Activated Upconversion Nearâ€‰Infrared Photoluminescence from Carbon Dots Synthesized via Microwave Assisted Exfoliation. Small, 2019, 15, e1905050. | 5.2 | 70 |
| 16 | Aqueous synthesis of PEGylated copper sulfide nanoparticles for photoacoustic imaging of tumors. Nanoscale, 2015, 7, 11075-11081. | 2.8 | 68 |
| 17 | Gelification: An Effective Measure for Achieving Differently Sized Biocompatible Fe<sub>3</sub>O<sub>4</sub> Nanocrystals through a Single Preparation Recipe. Journal of the American Chemical Society, 2011, 133, 19512-19523. | 6.6 | 66 |
| 18 | Flow Synthesis of Biocompatible Fe<sub>3</sub>O<sub>4</sub> Nanoparticles: Insight into the Effects of Residence Time, Fluid Velocity, and Tube Reactor Dimension on Particle Size Distribution. Chemistry of Materials, 2015, 27, 1299-1305. | 3.2 | 64 |

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|---|---|---|---|
| 19 | Penetration of Quantum Dot Particles Through Human Skin. Journal of Biomedical Nanotechnology, 2010, 6, 586-595. | 0.5 | 60 |
| 20 | Aqueous Manganese-Doped Core/Shell CdTe/ZnS Quantum Dots with Strong Fluorescence and High Relaxivity. Journal of Physical Chemistry C, 2013, 117, 18752-18761. | 1.5 | 58 |
| 21 | Theranostic nanoparticles with disease-specific administration strategies. Nano Today, 2022, 42, 101335. | 6.2 | 54 |
| 22 | In situ111In-doping for achieving biocompatible and non-leachable 111In-labeled Fe3O4 nanoparticles. Chemical Communications, 2014, 50, 2170. | 2.2 | 50 |
| 23 | Longer and Stronger: Improving Persistent Luminescence in Size-Tuned Zinc Gallate Nanoparticles by Alcohol-Mediated Chromium Doping. ACS Nano, 2020, 14, 12113-12124. | 7.3 | 50 |
| 24 | Emitting/Sensitizing Ions Spatially Separated Lanthanide Nanocrystals for Visualizing Tumors Simultaneously through Upâ€•and Downâ€€Conversion Nearâ€Infrared II Luminescence In Vivo. Small, 2019, 15, e1905344. | 5.2 | 41 |
| 25 | Twoâ€Pronged Intracellular Coâ€Delivery of Antigen and Adjuvant for Synergistic Cancer Immunotherapy. Advanced Materials, 2022, 34, e2202168. | 11.1 | 41 |
| 26 | Quantum dot-antisense oligonucleotide conjugates for multifunctional gene transfection, mRNA regulation, and tracking of biological processes. Biomaterials, 2011, 32, 1923-1931. | 5.7 | 40 |
| 27 | Detection of early primary colorectal cancer with upconversion luminescent NP-based molecular probes. Nanoscale, 2016, 8, 12579-12587. | 2.8 | 36 |
| 28 | Nanoparticles weaponized with builtâ€in functions for imagingâ€guided cancer therapy. View, 2020, 1, e19. | 2.7 | 35 |
| 29 | Revisiting the coordination chemistry for preparing manganese oxide nanocrystals in the presence of oleylamine and oleic acid. Nanoscale, 2014, 6, 5918. | 2.8 | 34 |
| 30 | Bright, Magnetic NIR-II Quantum Dot Probe for Sensitive Dual-Modality Imaging and Intensive Combination Therapy of Cancer. ACS Nano, 2022, 16, 8076-8094. | 7.3 | 31 |
| 31 | Nanotechnology-enhanced immunotherapy for metastatic cancer. Innovation(China), 2021, 2, 100174. | 5.2 | 29 |
| 32 | Decorating multi-walled carbon nanotubes with quantum dots for construction of multi-color fluorescent nanoprobes. Nanotechnology, 2010, 21, 045606. | 1.3 | 28 |
| 33 | Differently sized magnetic/upconversion luminescent NaGdF<sub>4</sub>:Yb,Er nanocrystals: flow synthesis and solvent effects. Chemical Communications, 2016, 52, 5872-5875. | 2.2 | 28 |
| 34 | Chemical Spacer Design for Engineering the Relaxometric Properties of Coreâ€“Shell Structured Rare Earth Nanoparticles. Chemistry of Materials, 2015, 27, 7918-7925. | 3.2 | 24 |
| 35 | Biocompatible off-stoichiometric copper indium sulfide quantum dots with tunable near-infrared emission via aqueous based synthesis. Chemical Communications, 2019, 55, 15053-15056. | 2.2 | 24 |
| 36 | A Cyclodextrinâ€Hosted Ir(III) Complex for Ratiometric Mapping of Tumor Hypoxia In Vivo. Advanced Science, 2021, 8, 2004044. | 5.6 | 22 |

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|---|---|---|---|
| 37 | Bifunctional Superparticles Achieved by Assembling Fluorescent CuInS2@ZnS Quantum Dots and Amphibious Fe3O4Nanocrystals. Journal of Physical Chemistry C, 2013, 117, 21014-21020. | 1.5 | 21 |
| 38 | Doping Lanthanide Nanocrystals With Non-lanthanide Ions to Simultaneously Enhance Up- and Down-Conversion Luminescence. Frontiers in Chemistry, 2020, 8, 832. | 1.8 | 21 |
| 39 | Bioinspired Cryoprotectants of Glucose-Based Carbon Dots. ACS Applied Bio Materials, 2020, 3, 3785-3791. | 2.3 | 21 |
| 40 | Enabling nanopore technology for sensing individual amino acids by a derivatization strategy. Journal of Materials Chemistry B, 2020, 8, 6792-6797. | 2.9 | 20 |
| 41 | Surface-biofunctionalized multicore/shell CdTe@SiO<sub>2</sub>composite particles for immunofluorescence assay. Nanotechnology, 2011, 22, 505104. | 1.3 | 18 |
| 42 | Manganese-Mediated Growth of ZnS Shell on KMnF<sub>3</sub>:Yb,Er Cores toward Enhanced Up/Downconversion Luminescence. ACS Applied Materials & Interfaces, 2020, 12, 11934-11944. | 4.0 | 18 |
| 43 | Narrowing the Photoluminescence of Aqueous CdTe Quantum Dots via Ostwald Ripening Suppression Realized by Programmed Dropwise Precursor Addition. Journal of Physical Chemistry C, 2018, 122, 11109-11118. | 1.5 | 16 |
| 44 | Semiconductor Nanocrystals Emitting in the Second Nearâ€Infrared Window: Optical Properties and Application in Biomedical Imaging. Advanced Optical Materials, 2022, 10, . | 3.6 | 16 |
| 45 | The Yin and Yang of coordinating co-solvents in the size-tuning of Fe<sub>3</sub>O<sub>4</sub> nanocrystals through flow synthesis. Nanoscale, 2017, 9, 18609-18612. | 2.8 | 14 |
| 46 | Two-Dimensional and Subnanometer-Thin Quasi-Copper-Sulfide Semiconductor Formed upon Copperâ€“Copper Bonding. ACS Nano, 2021, 15, 873-883. | 7.3 | 12 |
| 47 | Molecular mechanisms for delicately tuning the morphology and properties of Fe<sub>3</sub>O<sub>4</sub> nanoparticle clusters. CrystEngComm, 2018, 20, 2421-2429. | 1.3 | 11 |
| 48 | Turning-on persistent luminescence out of chromium-doped zinc aluminate nanoparticles by instilling antisite defects under mild conditions. Nanoscale, 2021, 13, 8514-8523. | 2.8 | 10 |
| 49 | Detection of Epsteinâ€“Barr virus infection in cancer by using highly specific nanoprobe based on dBSA capped CdTe quantum dots. RSC Advances, 2014, 4, 22545. | 1.7 | 9 |
| 50 | Upconversion luminescence mediated photodynamic therapy through hydrophilically engineered porphyrin. Chemical Engineering and Processing: Process Intensification, 2019, 142, 107551. | 1.8 | 9 |
| 51 | Effects of Repetitive Pressure on the Photoluminescence of Bare and ZnS-Capped CuInS<sub>2</sub> Quantum Dots: Implications for Nanoscale Stress Sensors. ACS Applied Nano Materials, 2022, 5, 5617-5624. | 2.4 | 9 |
| 52 | Continuous Flow Synthesis of Persistent Luminescent Chromium-Doped Zinc Gallate Nanoparticles. Journal of Physical Chemistry Letters, 2021, 12, 7067-7075. | 2.1 | 8 |
| 53 | Competitive induction of circularly polarized luminescence of CdSe/ZnS quantum dots in a nucleotideâ€“amino acid hydrogel. Materials Advances, 2022, 3, 682-688. | 2.6 | 5 |
| 54 | Nanoprobes for Visualization of Cancer Pathology in Vivo<sup>â€»</sup>. Acta Chimica Sinica, 2022, 80, 805. | 0.5 | 4 |

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|---|---|---|---|
| 55 | Aqueous synthesis of bright near-infrared-emitting Zn-Cu-In-Se quantum dots for multiplexed detection of tumor markers. Nano Research, 2022, 15, 8351-8359. | 5.8 | 3 |
| 56 | Photoluminescence: Thermally Activated Upconversion Nearâ€Infrared Photoluminescence from Carbon Dots Synthesized via Microwave Assisted Exfoliation (Small 50/2019). Small, 2019, 15, 1970288. | 5.2 | 2 |
| 57 | Super-stable centimetre-scale inverse opal belts integrated with CdTe QDs for narrow band fluorescence optical waveguiding. Journal of Materials Chemistry C, 2015, 3, 10964-10967. | 2.7 | 0 |
| 58 | Inside Back Cover: Nanoparticles weaponized with builtâ€in functions for imagingâ€guided cancer therapy (View 2/2020). View, 2020, 1, e30. | 2.7 | 0 |