

Xiaohong Li

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

6,588
citations

136740

32
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85405

71
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72
all docs

72
docs citations

72
times ranked

6991
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Carbon dots: An innovative luminescent nanomaterial. <i>Aggregate</i> , 2022, 3, e108. | 5.2 | 31 |
| 2 | Toward phosphorescent and delayed fluorescent carbon quantum dots for next-generation electroluminescent displays. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2333-2348. | 2.7 | 23 |
| 3 | Buffer species-dependent catalytic activity of Cu-Adenine as a laccase mimic for constructing sensor array to identify multiple phenols. <i>Analytica Chimica Acta</i> , 2022, 1204, 339725. | 2.6 | 18 |
| 4 | “”é†œçš,,ăŽŸç†ă€€“ă½œă€€æ³”æ,,ă°<é;1ăŠă”ç””. <i>Chinese Science Bulletin</i> , 2022, , . | 0.4 | 1 |
| 5 | Feâ€N/C single-atom nanozyme-based colorimetric sensor array for discriminating multiple biological antioxidants. <i>Analyst, The</i> , 2021, 146, 207-212. | 1.7 | 32 |
| 6 | Recent Advance in Carbon Dots: From Properties to Applications. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1364-1388. | 2.6 | 24 |
| 7 | Glucose oxidase decorated fluorescent metalâ€organic frameworks as biomimetic cascade nanozymes for glucose detection through the inner filter effect. <i>Analyst, The</i> , 2021, 146, 4188-4194. | 1.7 | 24 |
| 8 | Gramâ€Scale Synthesis of Highly Efficient Rareâ€Earthâ€Elementâ€Free Red/Green/Blue Solidâ€State Bandgap Fluorescent Carbon Quantum Rings for White Lightâ€Emitting Diodes. <i>Angewandte Chemie</i> , 2021, 133, 16479-16484. | 1.6 | 11 |
| 9 | Gramâ€Scale Synthesis of Highly Efficient Rareâ€Earthâ€Elementâ€Free Red/Green/Blue Solidâ€State Bandgap Fluorescent Carbon Quantum Rings for White Lightâ€Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16343-16348. | 7.2 | 70 |
| 10 | Plasmonic Hot Hole Extraction from CuS Nanodisks Enables Significant Acceleration of Oxygen Evolution Reactions. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7988-7996. | 2.1 | 14 |
| 11 | Applications of carbon dots on tumour theranostics. <i>View</i> , 2021, 2, 20200061. | 2.7 | 30 |
| 12 | Red Phosphorescent Carbon Quantum Dot Organic Framework-Based Electroluminescent Light-Emitting Diodes Exceeding 5% External Quantum Efficiency. <i>Journal of the American Chemical Society</i> , 2021, 143, 18941-18951. | 6.6 | 54 |
| 13 | Carbon dots: a booming material for biomedical applications. <i>Materials Chemistry Frontiers</i> , 2020, 4, 821-836. | 3.2 | 150 |
| 14 | Cobalt-based metal organic frameworks: a highly active oxidase-mimicking nanozyme for fluorescence â€return-onâ€assays of biothiol. <i>Chemical Communications</i> , 2020, 56, 659-662. | 2.2 | 68 |
| 15 | One-pot and high-yield preparation of ultrathin Î²-PbO nanowires and nanosheets for high-capacity positive electrodes in lead-acid batteries. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154845. | 2.8 | 12 |
| 16 | Targeted tumour theranostics in mice via carbon quantum dots structurally mimicking large amino acids. <i>Nature Biomedical Engineering</i> , 2020, 4, 704-716. | 11.6 | 243 |
| 17 | Recent advances in white light-emitting diodes of carbon quantum dots. <i>Nanoscale</i> , 2020, 12, 4826-4832. | 2.8 | 98 |
| 18 | Red-Emissive Carbon Quantum Dots for Nuclear Drug Delivery in Cancer Stem Cells. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1357-1363. | 2.1 | 127 |

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|----|--|-----|-----------|
| 19 | Synergistic tuning of oxygen vacancies and d-band centers of ultrathin cobaltous dihydroxycarbonate nanowires for enhanced electrocatalytic oxygen evolution. <i>Nanoscale</i> , 2020, 12, 11735-11745. | 2.8 | 10 |
| 20 | A versatile fluorometric <i>in situ</i> hybridization method for the quantitation of hairpin conformations in DNA self-assembled monolayers. <i>Analyst</i> , 2020, 145, 4522-4531. | 1.7 | 1 |
| 21 | Fluorescence-phosphorescence dual emissive carbon nitride quantum dots show 25% white emission efficiency enabling single-component WLEDs. <i>Chemical Science</i> , 2019, 10, 9801-9806. | 3.7 | 115 |
| 22 | Investigation of Na ⁺ and K ⁺ Competitively Binding with a G-Quadruplex and Discovery of a Stable K ⁺ -Na ⁺ -Quadruplex. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5405-5411. | 1.2 | 20 |
| 23 | Highly efficient and stable white LEDs based on pure red narrow bandwidth emission triangular carbon quantum dots for wide-color gamut backlight displays. <i>Nano Research</i> , 2019, 12, 1669-1674. | 5.8 | 107 |
| 24 | Carbon quantum dots: an emerging material for optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6820-6835. | 2.7 | 225 |
| 25 | Ultrabroad-band, red sufficient, solid white emission from carbon quantum dot aggregation for single component warm white light emitting diodes with a 91 high color rendering index. <i>Chemical Communications</i> , 2019, 55, 6531-6534. | 2.2 | 62 |
| 26 | Electroluminescent Warm White Light-Emitting Diodes Based on Passivation Enabled Bright Red Bandgap Emission Carbon Quantum Dots. <i>Advanced Science</i> , 2019, 6, 1900397. | 5.6 | 174 |
| 27 | Systematic truncating of aptamers to create high-performance graphene oxide (GO)-based aptasensors for the multiplex detection of mycotoxins. <i>Analyst</i> , 2019, 144, 3826-3835. | 1.7 | 16 |
| 28 | Ag@SiO ₂ nanoparticles performing as a nanoprobe for selective analysis of 2-aminoanthracene in wastewater samples via metal-enhanced fluorescence. <i>Talanta</i> , 2019, 200, 242-248. | 2.9 | 10 |
| 29 | Diameter- and Length-controlled Synthesis of Ultrathin ZnS Nanowires and Their Size-Dependent UV Absorption Properties, Photocatalytical Activities and Band-Edge Energy Levels. <i>Nanomaterials</i> , 2019, 9, 220. | 1.9 | 12 |
| 30 | Metal-organic framework assisted and in situ synthesis of hollow CdS nanostructures with highly efficient photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , 2019, 48, 5649-5655. | 1.6 | 20 |
| 31 | Thioflavin T specifically brightening ϵ -Guanine Island in duplex-DNA: a novel fluorescent probe for single-nucleotide mutation. <i>Analyst</i> , 2019, 144, 2284-2290. | 1.7 | 10 |
| 32 | Ultrastable and Low-Threshold Random Lasing from Narrow-Bandwidth Emission Triangular Carbon Quantum Dots. <i>Advanced Optical Materials</i> , 2019, 7, 1801202. | 3.6 | 67 |
| 33 | Solution Grown Single-Unit-Cell Quantum Wires Affording Self-Powered Solar-Blind UV Photodetectors with Ultrahigh Selectivity and Sensitivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 3480-3488. | 6.6 | 44 |
| 34 | Insights into the Competition between K ⁺ and Pb ²⁺ Binding to a G-Quadruplex and Discovery of a Novel K ⁺ -Pb ²⁺ -Quadruplex Intermediate. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9382-9388. | 1.2 | 13 |
| 35 | Nitrogen-Rich D-3-A Structural Carbon Quantum Dots with a Bright Two-Photon Fluorescence for Deep-Tissue Imaging. <i>ACS Applied Bio Materials</i> , 2018, 1, 853-858. | 2.3 | 37 |
| 36 | Engineering triangular carbon quantum dots with unprecedented narrow bandwidth emission for multicolored LEDs. <i>Nature Communications</i> , 2018, 9, 2249. | 5.8 | 676 |

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|----|---|------|-----------|
| 37 | Light-Emitting Diodes: Bright Multicolor Bandgap Fluorescent Carbon Quantum Dots for Electroluminescent Light-Emitting Diodes (Adv. Mater. 3/2017). Advanced Materials, 2017, 29, . | 11.1 | 5 |
| 38 | Ultrathin ZnSe nanowires: one-pot synthesis via a heat-triggered precursor slow releasing route, controllable Mn doping and application in UV and near-visible light detection. Nanoscale, 2017, 9, 15044-15055. | 2.8 | 27 |
| 39 | Interaction between G-Quadruplex and Zinc Cationic Porphyrin: The Role of the Axial Water. Scientific Reports, 2017, 7, 10951. | 1.6 | 18 |
| 40 | 53% Efficient Red Emissive Carbon Quantum Dots for High Color Rendering and Stable Warm White-Emitting Diodes. Advanced Materials, 2017, 29, 1702910. | 11.1 | 563 |
| 41 | Exceptionally High Payload of the IR780 Iodide on Folic Acid-Functionalized Graphene Quantum Dots for Targeted Photothermal Therapy. ACS Applied Materials & Interfaces, 2017, 9, 22332-22341. | 4.0 | 167 |
| 42 | Bright Multicolor Bandgap Fluorescent Carbon Quantum Dots for Electroluminescent Light-Emitting Diodes. Advanced Materials, 2017, 29, 1604436. | 11.1 | 643 |
| 43 | Graphene quantum dots as smart probes for biosensing. Analytical Methods, 2016, 8, 4001-4016. | 1.3 | 116 |
| 44 | Controlled calcination of ZnSe and ZnTe nanospheres to prepare visible-light catalysts with enhanced photostability and photoactivity. Journal of Materials Science, 2016, 51, 11021-11037. | 1.7 | 16 |
| 45 | Na ⁺ -Induced Conformational Change of Pb ²⁺ -Stabilized G-Quadruplex and Its Influence on Pb ²⁺ Detection. Analytical Chemistry, 2016, 88, 9375-9380. | 3.2 | 45 |
| 46 | Aptamer-Based K ⁺ Sensor: Process of Aptamer Transforming into G-Quadruplex. Journal of Physical Chemistry B, 2016, 120, 6606-6611. | 1.2 | 22 |
| 47 | Multicolor fluorescent graphene quantum dots colorimetrically responsive to all-pH and a wide temperature range. Nanoscale, 2015, 7, 11727-11733. | 2.8 | 187 |
| 48 | Electrochemical synthesis of small-sized red fluorescent graphene quantum dots as a bioimaging platform. Chemical Communications, 2015, 51, 2544-2546. | 2.2 | 297 |
| 49 | Electrochemical detection of benzo(a)pyrene in acetonitrile-water binary medium. Talanta, 2015, 138, 46-51. | 2.9 | 11 |
| 50 | A gold nanoparticle-based colorimetric probe for rapid detection of 1-hydroxypyrene in urine. Analyst, 2015, 140, 4662-4667. | 1.7 | 10 |
| 51 | Rhodamine-Functionalized Graphene Quantum Dots for Detection of Fe ³⁺ in Cancer Stem Cells. ACS Applied Materials & Interfaces, 2015, 7, 23958-23966. | 4.0 | 163 |
| 52 | DNA Molecular Beacon-Based Plastic Biochip: A Versatile and Sensitive Scanometric Detection Platform. ACS Applied Materials & Interfaces, 2014, 6, 21788-21797. | 4.0 | 30 |
| 53 | Surrounding media sensitive photoluminescence of boron-doped graphene quantum dots for highly fluorescent dyed crystals, chemical sensing and bioimaging. Carbon, 2014, 70, 149-156. | 5.4 | 232 |
| 54 | Highly dispersible and charge-tunable magnetic Fe ₃ O ₄ nanoparticles: facile fabrication and reversible binding to GO for efficient removal of dye pollutants. Journal of Materials Chemistry A, 2014, 2, 15763-15767. | 5.2 | 23 |

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|----|--|-----|-----------|
| 55 | Sulfur-Doped Graphene Quantum Dots as a Novel Fluorescent Probe for Highly Selective and Sensitive Detection of Fe ³⁺ . <i>Analytical Chemistry</i> , 2014, 86, 10201-10207. | 3.2 | 519 |
| 56 | A series of logic gates based on electrochemical reduction of Pb ²⁺ in self-assembled G-quadruplex on the gold electrode. <i>Chemical Communications</i> , 2014, 50, 2093. | 2.2 | 20 |
| 57 | Electrochemical detection of the amino-substituted naphthalene compounds based on intercalative interaction with hairpin DNA by electrochemical impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2013, 48, 238-243. | 5.3 | 26 |
| 58 | Electrochemical controlled synthesis and characterization of well-aligned IrO ₂ nanotube arrays with enhanced electrocatalytic activity toward oxygen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2013, 688, 269-274. | 1.9 | 54 |
| 59 | A novel colorimetric potassium sensor based on the substitution of lead from G-quadruplex. <i>Analyst</i> , 2013, 138, 856-862. | 1.7 | 50 |
| 60 | Highly sensitive detection of 1±-naphthol based on G-DNA modified gold electrode by electrochemical impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2013, 45, 46-51. | 5.3 | 30 |
| 61 | Impedimetric Immobilized DNA-Based Sensor for Simultaneous Detection of Pb ²⁺ , Ag ⁺ , and Hg ²⁺ . <i>Analytical Chemistry</i> , 2011, 83, 6896-6901. | 3.2 | 270 |
| 62 | Pb ²⁺ induced DNA conformational switch from hairpin to G-quadruplex: electrochemical detection of Pb ²⁺ . <i>Analyst</i> , 2011, 136, 2367. | 1.7 | 82 |
| 63 | Exploiting the interactions of PNA-DNA films with Ni ²⁺ ions: Detection of nucleobase mismatches and electrochemical genotyping of the single-nucleotide mismatch in apoE 4 related to Alzheimer's disease. <i>Biosensors and Bioelectronics</i> , 2011, 27, 187-191. | 5.3 | 16 |
| 64 | Exploiting the Interaction of Metal Ions and Peptide Nucleic Acids-DNA Duplexes for the Detection of a Single Nucleotide Mismatch by Electrochemical Impedance Spectroscopy. <i>Analytical Chemistry</i> , 2010, 82, 1166-1169. | 3.2 | 22 |
| 65 | Electrochemical Detection of Single-Nucleotide Mismatches Using an Electrode Microarray. <i>Analytical Chemistry</i> , 2006, 78, 6096-6101. | 3.2 | 64 |
| 66 | Chip-Based Microelectrodes for Detection of Single-Nucleotide Mismatch. <i>Analytical Chemistry</i> , 2005, 77, 5766-5769. | 3.2 | 28 |
| 67 | Ligand-Controlling Synthesis and Ordered Assembly of ZnS Nanorods and Nanodots. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16002-16011. | 1.2 | 165 |