

Yuanqiang Sun

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,013
citations

257450

24
h-index

243625

44
g-index

49
all docs

49
docs citations

49
times ranked

1826
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Mechanisms for carbon dots-based chemosensing, biosensing, and bioimaging: A review. <i>Analytica Chimica Acta</i> , 2022, 1209, 338885. | 5.4 | 47 |
| 2 | Detection, detoxification, and removal of multiply heavy metal ions using a recyclable probe enabled by click and declick chemistry. <i>Journal of Hazardous Materials</i> , 2022, 423, 127242. | 12.4 | 20 |
| 3 | Teaching a fluorophore new tricks: Exploiting the light-driven organic oxidase nanozyme properties of thiazolothiazole for highly sensitive biomedical detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131226. | 7.8 | 16 |
| 4 | Dual microenvironmental parameter-responsive lysosome-targeting carbon dots for the high contrast discrimination of a broad spectrum of cancer cells. <i>Chinese Chemical Letters</i> , 2022, 33, 5051-5055. | 9.0 | 20 |
| 5 | Simultaneous monitoring of mitochondrial viscosity and membrane potential based on fluorescence changing and location switching of carbon dots in living cells. <i>Carbon</i> , 2022, 195, 112-122. | 10.3 | 16 |
| 6 | Meso-substituted pyronine: colorful emission and versatile platform for the rational design of fluorescent probes. <i>Coordination Chemistry Reviews</i> , 2022, 461, 214507. | 18.8 | 6 |
| 7 | Tuning asymmetric electronic structure endows carbon dots with unexpected huge stokes shift for high contrast in vivo imaging. <i>Chemical Engineering Journal</i> , 2022, 446, 136928. | 12.7 | 17 |
| 8 | Visual Monitoring of Nucleic Acid Dynamic Structures during Cellular Ferroptosis Using Rationally Designed Carbon Dots with Robust Anti-Interference Ability to Reactive Oxygen Species. <i>ACS Applied Bio Materials</i> , 2022, 5, 2703-2711. | 4.6 | 10 |
| 9 | High-fidelity carbon dots polarity probes: revealing the heterogeneity of lipids in oncology. <i>Light: Science and Applications</i> , 2022, 11, . | 16.6 | 39 |
| 10 | The recent development of fluorescent probes for the detection of NADH and NADPH in living cells and in vivo. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 245, 118919. | 3.9 | 28 |
| 11 | Fluorescent probes for iron, heme, and related enzymes. <i>Coordination Chemistry Reviews</i> , 2021, 429, 213645. | 18.8 | 25 |
| 12 | Engineering a lipid droplet targeting fluorescent probe with a large Stokes shift through ester substituent rotation for <i>in vivo</i> tumor imaging. <i>Analyst</i> , 2021, 146, 495-501. | 3.5 | 17 |
| 13 | Fluorescent Carbon Dots Shuttling between Mitochondria and the Nucleolus for <i>In Situ</i> Visualization of Cell Viability. <i>ACS Applied Bio Materials</i> , 2021, 4, 928-934. | 4.6 | 11 |
| 14 | A fluorescence-switchable carbon dot for the reversible turn-on sensing of molecular oxygen. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4300-4306. | 5.5 | 24 |
| 15 | Recent progress in carbon-dots-based nanozymes for chemosensing and biomedical applications. <i>Chinese Chemical Letters</i> , 2021, 32, 2994-3006. | 9.0 | 46 |
| 16 | A facile and highly efficient fluorescent turn-on switch strategy based on diketone isomerization and its application in peroxynitrite fluorescent imaging. <i>Sensors and Actuators B: Chemical</i> , 2021, 337, 129805. | 7.8 | 8 |
| 17 | Spying on the Polarity Dynamics during Wound Healing of Zebrafish by Using Rationally Designed Carbon Dots. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002268. | 7.6 | 34 |
| 18 | Quantitative Structure-Activity Relationship Enables the Rational Design of Lipid Droplet-Targeting Carbon Dots for Visualizing Bisphenol A-Induced Nonalcoholic Fatty Liver Disease-like Changes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44086-44095. | 8.0 | 33 |

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|----|--|------|-----------|
| 19 | Low Polarity-Triggered Basic Hydrolysis of Coumarin as an AND Logic Gate for Broad-Spectrum Cancer Diagnosis. <i>Analytical Chemistry</i> , 2021, 93, 12434-12440. | 6.5 | 19 |
| 20 | Runx1/miR-26a/Jagged1 signaling axis controls osteoclastogenesis and alleviates orthodontically induced inflammatory root resorption. <i>International Immunopharmacology</i> , 2021, 100, 107991. | 3.8 | 9 |
| 21 | One Stone, Three Birds: pH Triggered Transformation of Aminopyronine and Iminopyronine Based Lysosome Targeting Viscosity Probe for Cancer Visualization. <i>Analytical Chemistry</i> , 2021, 93, 1786-1791. | 6.5 | 77 |
| 22 | Lighting up Individual Organelles With Fluorescent Carbon Dots. <i>Frontiers in Chemistry</i> , 2021, 9, 784851. | 3.6 | 7 |
| 23 | Intrinsic lysosomal targeting fluorescent carbon dots with ultrastability for long-term lysosome imaging. <i>Journal of Materials Chemistry B</i> , 2020, 8, 736-742. | 5.8 | 36 |
| 24 | Simultaneous Detection of Human Serum Albumin and Sulfur Dioxide in Living Cells Based on a Catalyzed Michael Addition Reaction. <i>Analytical Chemistry</i> , 2020, 92, 16130-16137. | 6.5 | 51 |
| 25 | A wash-free lysosome targeting carbon dots for ultrafast imaging and monitoring cell apoptosis status. <i>Analytica Chimica Acta</i> , 2020, 1106, 207-215. | 5.4 | 33 |
| 26 | Carbonâ€Dipyrromethenes: Bright Cationic Fluorescent Dyes and Potential Application in Revealing Cellular Trafficking of Mitochondrial Glutathione Conjugates. <i>Journal of the American Chemical Society</i> , 2020, 142, 17069-17078. | 13.7 | 44 |
| 27 | Functionalized Two-Dimensional Nanomaterials for Biosensing and Bioimaging. <i>ACS Symposium Series</i> , 2020, , 143-165. | 0.5 | 1 |
| 28 | Fluorescent Carbon Dots for in Situ Monitoring of Lysosomal ATP Levels. <i>Analytical Chemistry</i> , 2020, 92, 7940-7946. | 6.5 | 82 |
| 29 | Fluorescence imaging of hypochlorous acid and peroxyxynitrite <i>in vitro</i> and <i>in vivo</i> with emission wavelength beyond 750 nm. <i>Chemical Communications</i> , 2020, 56, 7718-7721. | 4.1 | 24 |
| 30 | Rational Design of Far-Red to Near-Infrared Emitting Carbon Dots for Ultrafast Lysosomal Polarity Imaging. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31738-31744. | 8.0 | 71 |
| 31 | A novel fluorescence probe based on specific recognition of GABAA receptor for imaging cell membrane. <i>Talanta</i> , 2020, 219, 121317. | 5.5 | 3 |
| 32 | Spatiotemporally Monitoring Cell Viability through Programmable Mitochondrial Membrane Potential Transformation by Using Fluorescent Carbon Dots. <i>Advanced Biology</i> , 2020, 4, 1900261. | 3.0 | 10 |
| 33 | Anti-solvatochromic fluorescence of thiazole [5, 4-d] thiazole by forming hydrogen bond network and its application in fast detection of trace water. <i>Microchemical Journal</i> , 2020, 154, 104640. | 4.5 | 8 |
| 34 | RNA-responsive fluorescent carbon dots for fast and wash-free nucleolus imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 237, 118381. | 3.9 | 29 |
| 35 | A novel fluorescent probe for highly selective and sensitive detection of hypobromous acid in arthritis model mice. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128125. | 7.8 | 20 |
| 36 | Highly fluorescent organic polymers for quenchemetric determination of hydrogen peroxide and enzymatic determination of glucose. <i>Mikrochimica Acta</i> , 2019, 186, 160. | 5.0 | 8 |

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|----|--|------|-----------|
| 37 | Hydrogen-Bond-Induced Emission of Carbon Dots for Wash-Free Nucleus Imaging. <i>Analytical Chemistry</i> , 2019, 91, 9259-9265. | 6.5 | 113 |
| 38 | SciFinder-guided rational design of fluorescent carbon dots for ratiometric monitoring intracellular pH fluctuations under heat shock. <i>Chinese Chemical Letters</i> , 2019, 30, 1647-1651. | 9.0 | 37 |
| 39 | Retrosynthesis of Tunable Fluorescent Carbon Dots for Precise Long-Term Mitochondrial Tracking. <i>Small</i> , 2019, 15, e1901517. | 10.0 | 103 |
| 40 | Far-Red to Near-Infrared Carbon Dots: Preparation and Applications in Biotechnology. <i>Small</i> , 2019, 15, e1901507. | 10.0 | 169 |
| 41 | Lysosome-targeted carbon dots for ratiometric imaging of formaldehyde in living cells. <i>Nanoscale</i> , 2019, 11, 8458-8463. | 5.6 | 102 |
| 42 | Carbon Dots: Retrosynthesis of Tunable Fluorescent Carbon Dots for Precise Long-Term Mitochondrial Tracking (<i>Small</i> 48/2019). <i>Small</i> , 2019, 15, 1970259. | 10.0 | 5 |
| 43 | A rhodol-hemicyanine based ratiometric fluorescent probe for real-time monitoring of glutathione dynamics in living cells. <i>Analyst</i> , 2019, 144, 7457-7462. | 3.5 | 20 |
| 44 | High performance fluorescence biosensing of cysteine in human serum with superior specificity based on carbon dots and cobalt-derived recognition. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 62-68. | 7.8 | 56 |
| 45 | Synthesis of Luminescent Carbon Dots with Ultrahigh Quantum Yield and Inherent Folate Receptor-Positive Cancer Cell Targetability. <i>Scientific Reports</i> , 2018, 8, 1086. | 3.3 | 215 |
| 46 | Silver-Catalyzed Radical Cascade Cyclization toward 1,5-/1,3-Dicarbonyl Heterocycles: An Atom-/Step-Economical Strategy Leading to Chromenopyridines and Isoxazole-/Pyrazole-Containing Chroman-4-Ones. <i>Organic Letters</i> , 2018, 20, 6157-6160. | 4.6 | 75 |
| 47 | Silver-catalyzed decarboxylative cascade radical cyclization of <i>tert</i> -carboxylic acids and <i>o</i> -(allyloxy)arylaldehydes towards chroman-4-one derivatives. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2925-2929. | 4.5 | 70 |
| 48 | One-Pot Green Synthesis of Ultrabright N-Doped Fluorescent Silicon Nanoparticles for Cellular Imaging by Using Ethylenediaminetetraacetic Acid Disodium Salt as an Effective Reductant. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27979-27986. | 8.0 | 65 |
| 49 | A Multiheteroatom [3,3]-Sigmatropic Rearrangement: Disproportionative Entries into 2-(<i>N</i> -Heteroaryl)methyl Phosphates and \pm -Keto Phosphates. <i>Organic Letters</i> , 2017, 19, 5864-5867. | 4.6 | 34 |