

Bo Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

8,273
citations

201674

27
h-index

330143

37
g-index

37
all docs

37
docs citations

37
times ranked

11954
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Mannose modified zwitterionic polyester-conjugated second near-infrared organic fluorophore for targeted photothermal therapy. <i>Biomaterials Science</i> , 2021, 9, 4648-4661. | 5.4 | 14 |
| 2 | Multimodal and multifunctional nanoparticles with platelet targeting ability and phase transition efficiency for the molecular imaging and thrombolysis of coronary microthrombi. <i>Biomaterials Science</i> , 2020, 8, 5047-5060. | 5.4 | 20 |
| 3 | High-resolution DNA size enrichment using a magnetic nano-platform and application in non-invasive prenatal testing. <i>Analyst</i> , The, 2020, 145, 5733-5739. | 3.5 | 7 |
| 4 | Fe-based species anchored on N-doped carbon nanotubes as a bifunctional electrocatalyst for acidic/neutral/alkaline Zn-air batteries. <i>Nanotechnology</i> , 2020, 31, 265402. | 2.6 | 4 |
| 5 | Tailoring Active Sites in Mesoporous Defect-Rich NC/V ₂ O ₅ Heterostructure Array for Superior Electrocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2019, 9, 1803693. | 19.5 | 66 |
| 6 | Molecular imaging of biological systems with a clickable dye in the broad 800- to 1,700-nm near-infrared window. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 962-967. | 7.1 | 230 |
| 7 | Diagnosis of Zika virus infection on a nanotechnology platform. <i>Nature Medicine</i> , 2017, 23, 548-550. | 30.7 | 130 |
| 8 | A novel quantitative microarray antibody capture assay identifies an extremely high hepatitis delta virus prevalence among hepatitis B virus-infected mongolians. <i>Hepatology</i> , 2017, 66, 1739-1749. | 7.3 | 74 |
| 9 | Validation of IgG, IgM multiplex plasmonic gold platform in French clinical cohorts for the serodiagnosis and follow-up of <i>Toxoplasma gondii</i> infection. <i>Diagnostic Microbiology and Infectious Disease</i> , 2017, 87, 213-218. | 1.8 | 24 |
| 10 | Visible to Near-Infrared Fluorescence Enhanced Cellular Imaging on Plasmonic Gold Chips. <i>Small</i> , 2016, 12, 457-465. | 10.0 | 33 |
| 11 | High Performance, Multiplexed Lung Cancer Biomarker Detection on a Plasmonic Gold Chip. <i>Advanced Functional Materials</i> , 2016, 26, 7994-8002. | 14.9 | 84 |
| 12 | A small-molecule dye for NIR-II imaging. <i>Nature Materials</i> , 2016, 15, 235-242. | 27.5 | 1,314 |
| 13 | Single Chirality (6,4) Single-Walled Carbon Nanotubes for Fluorescence Imaging with Silicon Detectors. <i>Small</i> , 2015, 11, 6325-6330. | 10.0 | 26 |
| 14 | Nickel-coated silicon photocathode for water splitting in alkaline electrolytes. <i>Nano Research</i> , 2015, 8, 1577-1583. | 10.4 | 63 |
| 15 | Fluorescence Imaging In Vivo at Wavelengths beyond 1500 nm. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14758-14762. | 13.8 | 310 |
| 16 | Cytokine detection and simultaneous assessment of rheumatoid factor interference in human serum and synovial fluid using high-sensitivity protein arrays on plasmonic gold chips. <i>BMC Biotechnology</i> , 2015, 15, 73. | 3.3 | 18 |
| 17 | Graphene Nanoribbons Under Mechanical Strain. <i>Advanced Materials</i> , 2015, 27, 303-309. | 21.0 | 36 |
| 18 | Nanoscale nickel oxide/nickel heterostructures for active hydrogen evolution electrocatalysis. <i>Nature Communications</i> , 2014, 5, 4695. | 12.8 | 1,413 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Through-skull fluorescence imaging of the brain in a new near-infrared window. <i>Nature Photonics</i> , 2014, 8, 723-730. | 31.4 | 829 |
| 20 | A plasmonic chip for biomarker discovery and diagnosis of type 1 diabetes. <i>Nature Medicine</i> , 2014, 20, 948-953. | 30.7 | 142 |
| 21 | Plasmonic micro-beads for fluorescence enhanced, multiplexed protein detection with flow cytometry. <i>Chemical Science</i> , 2014, 5, 4070-4075. | 7.4 | 38 |
| 22 | Ly108 expression distinguishes subsets of invariant NKT cells that help autoantibody production and secrete IL-21 from those that secrete IL-17 in lupus prone NZB/W mice. <i>Journal of Autoimmunity</i> , 2014, 50, 87-98. | 6.5 | 20 |
| 23 | Ultrafast fluorescence imaging in vivo with conjugated polymer fluorophores in the second near-infrared window. <i>Nature Communications</i> , 2014, 5, 4206. | 12.8 | 470 |
| 24 | Ultrafast high-capacity NiZn battery with NiAlCo-layered double hydroxide. <i>Energy and Environmental Science</i> , 2014, 7, 2025. | 30.8 | 265 |
| 25 | Multiplexed cytokine detection on plasmonic gold substrates with enhanced near-infrared fluorescence. <i>Nano Research</i> , 2013, 6, 113-120. | 10.4 | 42 |
| 26 | Advanced zinc-air batteries based on high-performance hybrid electrocatalysts. <i>Nature Communications</i> , 2013, 4, 1805. | 12.8 | 976 |
| 27 | Biological Imaging Using Nanoparticles of Small Organic Molecules with Fluorescence Emission at Wavelengths Longer than 1000 nm. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13002-13006. | 13.8 | 261 |
| 28 | An Integrated Peptide-Antigen Microarray on Plasmonic Gold Films for Sensitive Human Antibody Profiling. <i>PLoS ONE</i> , 2013, 8, e71043. | 2.5 | 27 |
| 29 | In Vivo Fluorescence Imaging in the Second Near-Infrared Window with Long Circulating Carbon Nanotubes Capable of Ultrahigh Tumor Uptake. <i>Journal of the American Chemical Society</i> , 2012, 134, 10664-10669. | 13.7 | 373 |
| 30 | Engineering manganese oxide/nanocarbon hybrid materials for oxygen reduction electrocatalysis. <i>Nano Research</i> , 2012, 5, 718-725. | 10.4 | 104 |
| 31 | Three-dimensional imaging of single nanotube molecule endocytosis on plasmonic substrates. <i>Nature Communications</i> , 2012, 3, 700. | 12.8 | 76 |
| 32 | Plasmonic substrates for multiplexed protein microarrays with femtomolar sensitivity and broad dynamic range. <i>Nature Communications</i> , 2011, 2, 466. | 12.8 | 221 |
| 33 | Near-Infrared-Fluorescence-Enhanced Molecular Imaging of Live Cells on Gold Substrates. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4644-4648. | 13.8 | 78 |
| 34 | Direct Growth of Semiconducting Single-Walled Carbon Nanotube Array. <i>Journal of the American Chemical Society</i> , 2009, 131, 14642-14643. | 13.7 | 143 |
| 35 | Grow Single-Walled Carbon Nanotubes Cross-Bar in One Batch. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5341-5344. | 3.1 | 27 |