

Bo Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1794493/publications.pdf>

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	Nanoscale nickel oxide/nickel heterostructures for active hydrogen evolution electrocatalysis. Nature Communications, 2014, 5, 4695.	12.8	1,413
2	A small-molecule dye for NIR-II imaging. Nature Materials, 2016, 15, 235-242.	27.5	1,314
3	Advanced zinc-air batteries based on high-performance hybrid electrocatalysts. Nature Communications, 2013, 4, 1805.	12.8	976
4	Through-skull fluorescence imaging of the brain in a new near-infrared window. Nature Photonics, 2014, 8, 723-730.	31.4	829
5	Ultrafast fluorescence imaging in vivo with conjugated polymer fluorophores in the second near-infrared window. Nature Communications, 2014, 5, 4206.	12.8	470
6	In Vivo Fluorescence Imaging in the Second Near-Infrared Window with Long Circulating Carbon Nanotubes Capable of Ultrahigh Tumor Uptake. Journal of the American Chemical Society, 2012, 134, 10664-10669.	13.7	373
7	Fluorescence Imaging In Vivo at Wavelengths beyond 1500nm. Angewandte Chemie - International Edition, 2015, 54, 14758-14762.	13.8	310
8	Ultrafast high-capacity NiZn battery with NiAlCo-layered double hydroxide. Energy and Environmental Science, 2014, 7, 2025.	30.8	265
9	Biological Imaging Using Nanoparticles of Small Organic Molecules with Fluorescence Emission at Wavelengths Longer than 1000nm. Angewandte Chemie - International Edition, 2013, 52, 13002-13006.	13.8	261
10	Molecular imaging of biological systems with a clickable dye in the broad 800- to 1,700-nm near-infrared window. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 962-967.	7.1	230
11	Plasmonic substrates for multiplexed protein microarrays with femtomolar sensitivity and broad dynamic range. Nature Communications, 2011, 2, 466.	12.8	221
12	Direct Growth of Semiconducting Single-Walled Carbon Nanotube Array. Journal of the American Chemical Society, 2009, 131, 14642-14643.	13.7	143
13	A plasmonic chip for biomarker discovery and diagnosis of type 1 diabetes. Nature Medicine, 2014, 20, 948-953.	30.7	142
14	Diagnosis of Zika virus infection on a nanotechnology platform. Nature Medicine, 2017, 23, 548-550.	30.7	130
15	Engineering manganese oxide/nanocarbon hybrid materials for oxygen reduction electrocatalysis. Nano Research, 2012, 5, 718-725.	10.4	104
16	High Performance, Multiplexed Lung Cancer Biomarker Detection on a Plasmonic Gold Chip. Advanced Functional Materials, 2016, 26, 7994-8002.	14.9	84
17	Near-Infrared-Enhanced Molecular Imaging of Live Cells on Gold Substrates. Angewandte Chemie - International Edition, 2011, 50, 4644-4648.	13.8	78
18	Three-dimensional imaging of single nanotube molecule endocytosis on plasmonic substrates. Nature Communications, 2012, 3, 700.	12.8	76

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Nickel-coated silicon photocathode for water splitting in alkaline electrolytes. <i>Nano Research</i> , 2015, 8, 1577-1583.	10.4	63
22	Multiplexed cytokine detection on plasmonic gold substrates with enhanced near-infrared fluorescence. <i>Nano Research</i> , 2013, 6, 113-120.	10.4	42
23	Plasmonic micro-beads for fluorescence enhanced, multiplexed protein detection with flow cytometry. <i>Chemical Science</i> , 2014, 5, 4070-4075.	7.4	38
24	Graphene Nanoribbons Under Mechanical Strain. <i>Advanced Materials</i> , 2015, 27, 303-309.	21.0	36
25	Visible to Near-Infrared Fluorescence Enhanced Cellular Imaging on Plasmonic Gold Chips. <i>Small</i> , 2016, 12, 457-465.	10.0	33
26	Grow Single-Walled Carbon Nanotubes Cross-Bar in One Batch. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5341-5344.	3.1	27
27	An Integrated Peptide-Antigen Microarray on Plasmonic Gold Films for Sensitive Human Antibody Profiling. <i>PLoS ONE</i> , 2013, 8, e71043.	2.5	27
28	Single Chirality (6,4) Single-Walled Carbon Nanotubes for Fluorescence Imaging with Silicon Detectors. <i>Small</i> , 2015, 11, 6325-6330.	10.0	26
29	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
30	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
31	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
32	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
33	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
34	High-resolution DNA size enrichment using a magnetic nano-platform and application in non-invasive prenatal testing. <i>Analyst</i> , 2020, 145, 5733-5739.	3.5	7
35	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