

Nan Zhang

List of Publications by Year in descending order

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46
papers

1,751
citations

304368

22
h-index

276539

41
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46
docs citations

46
times ranked

3128
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Nitrogen-Anion-Decorated Nickel Sulfides for Highly Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2017, 29, 1701584.	11.1	478
2	Growth Control of MoS ₂ Nanosheets on Carbon Cloth for Maximum Active Edges Exposed: An Excellent Hydrogen Evolution 3D Cathode. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12193-12202.	4.0	176
3	Edge-rich MoS ₂ Nanosheets Rooting into Polyaniline Nanofibers as Effective Catalyst for Electrochemical Hydrogen Evolution. <i>Electrochimica Acta</i> , 2015, 180, 155-163.	2.6	82
4	Biomolecule-Free, Selective Detection of o-Diphenol and Its Derivatives with WS ₂ /TiO ₂ -Based Photoelectrochemical Platform. <i>Analytical Chemistry</i> , 2015, 87, 4844-4850.	3.2	67
5	MoS ₂ /Ni ₃ S ₂ nanorod arrays well-aligned on Ni foam: a 3D hierarchical efficient bifunctional catalytic electrode for overall water splitting. <i>RSC Advances</i> , 2017, 7, 46286-46296.	1.7	60
6	Activity enhancement of G-quadruplex/hemin DNAzyme by spermine. <i>RSC Advances</i> , 2014, 4, 1441-1448.	1.7	54
7	DNA Aptamer Evolved by Cell-SELEX for Recognition of Prostate Cancer. <i>PLoS ONE</i> , 2014, 9, e100243.	1.1	52
8	Imaging of Neurite Network with an Anti-L1CAM Aptamer Generated by Neurite-SELEX. <i>Journal of the American Chemical Society</i> , 2018, 140, 18066-18073.	6.6	49
9	Thiazole Orange-Modified Carbon Dots for Ratiometric Fluorescence Detection of G-Quadruplex and Double-Stranded DNA. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25166-25173.	4.0	49
10	The production and photodissociation of iron-sulfur cluster ions. <i>Journal of Chemical Physics</i> , 1993, 99, 1765-1770.	1.2	45
11	Immunomodulatory Effects of Lycium barbarum Polysaccharide Extract and Its Uptake Behaviors at the Cellular Level. <i>Molecules</i> , 2020, 25, 1351.	1.7	42
12	Controlled electrodeposition of CoMoS _x on carbon cloth: A 3D cathode for highly-efficient electrocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 3811-3819.	3.8	41
13	A Mitochondria-Targeted Ratiometric Fluorescent pH Probe. <i>ACS Applied Bio Materials</i> , 2019, 2, 1368-1375.	2.3	41
14	A Bis(methylpiperazinylstyryl)phenanthroline as a Fluorescent Ligand for G-Quadruplexes. <i>Chemistry - A European Journal</i> , 2016, 22, 6037-6047.	1.7	40
15	The fluorescence detection of glutathione by $\cdot\text{OH}$ radicals elimination with catalyst of MoS ₂ /rGO under full spectrum visible light irradiation. <i>Talanta</i> , 2015, 144, 551-558.	2.9	38
16	Cytotoxicity of guanine-based degradation products contributes to the antiproliferative activity of guanine-rich oligonucleotides. <i>Chemical Science</i> , 2015, 6, 3831-3838.	3.7	37
17	Intercellular Connections Related to Cell-Cell Crosstalk Specifically Recognized by an Aptamer. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3914-3918.	7.2	36
18	In vitro selection of DNA aptamers recognizing drug-resistant ovarian cancer by cell-SELEX. <i>Talanta</i> , 2019, 194, 437-445.	2.9	35

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19	Comparative Study of the Chemical Constituents and Bioactivities of the Extracts from Fruits, Leaves and Root Barks of <i>Lycium barbarum</i> . <i>Molecules</i> , 2019, 24, 1585.	1.7	33
20	Oxidative degradation of polyamines by serum supplement causes cytotoxicity on cultured cells. <i>Scientific Reports</i> , 2018, 8, 10384.	1.6	28
21	Thiazole Orange Styryl Derivatives as Fluorescent Probes for G-Quadruplex DNA. <i>ACS Applied Bio Materials</i> , 2020, 3, 2643-2650.	2.3	26
22	Development of squaraine based G-quadruplex ligands using click chemistry. <i>Scientific Reports</i> , 2017, 7, 4766.	1.6	24
23	Direct electron transfer of cytochrome c at mono-dispersed and negatively charged perylene-graphene matrix. <i>Talanta</i> , 2013, 107, 195-202.	2.9	23
24	Ratiometric detection and imaging of hydrogen sulfide in mitochondria based on a cyanine/naphthalimide hybrid fluorescent probe. <i>Analyst</i> , The, 2020, 145, 6549-6555.	1.7	23
25	A Nucleus-Targeting DNA Aptamer for Dead Cell Indication. <i>ACS Sensors</i> , 2019, 4, 1612-1618.	4.0	19
26	Detection of Circulating Tumor-Related Materials by Aptamer Capturing and Endogenous Enzyme-Signal Amplification. <i>Analytical Chemistry</i> , 2020, 92, 5370-5378.	3.2	14
27	The formation, photodissociation, and bond structure of cobalt-sulfur cluster ions. <i>Journal of Chemical Physics</i> , 1994, 101, 9528-9533.	1.2	13
28	Aluminum-sulfur cluster ions: Formation and photolysis. <i>Journal of Chemical Physics</i> , 1994, 101, 1219-1224.	1.2	12
29	Ratiometric fluorescent silver nanoclusters for the determination of mercury and copper ions. <i>Analytical Methods</i> , 2015, 7, 8019-8024.	1.3	12
30	The Mechanism of the Selective Antiproliferation Effect of Guanine-Based Biomolecules and Its Compensation. <i>ACS Chemical Biology</i> , 2019, 14, 1164-1173.	1.6	12
31	A DNA Aptameric Ligand of Human Transferrin Receptor Generated by Cell-SELEX. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8923.	1.8	12
32	Design of two electrode system for detection of antioxidant capacity with photoelectrochemical platform. <i>Biosensors and Bioelectronics</i> , 2016, 75, 458-464.	5.3	11
33	Transferrin receptor-mediated internalization and intracellular fate of conjugates of a DNA aptamer. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 1249-1259.	2.3	10
34	p-Aminostyryl thiazole orange derivatives for monitoring mitochondrial viscosity in live cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 265, 120394.	2.0	7
35	Aptamer-Based Cell Nucleus Imaging via Expansion Microscopy. <i>Analytical Chemistry</i> , 2022, 94, 6044-6049.	3.2	7
36	Flow Cytometric Bead Sandwich Assay Based on a Split Aptamer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2312-2318.	4.0	6

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37	Dual-Monitoring Glycosylation and Local pH in Live Cells by Metabolic Oligosaccharide Engineering with a Ratiometric Fluorescent Tag. <i>Analytical Chemistry</i> , 2019, 91, 13720-13728.	3.2	6
38	FnCas12a/crRNA assisted dumbbell-PCR detection of IsomiRs with terminal and inner sequence variants. <i>Chemical Communications</i> , 2020, 56, 10038-10041.	2.2	6
39	A mitochondria-targeted near-infrared fluorescent probe for detection and imaging of HSO ₃ ⁻ in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121305.	2.0	6
40	Exact tailoring of an ATP controlled streptavidin binding aptamer. <i>RSC Advances</i> , 2014, 4, 15111.	1.7	5
41	Formation and Photodissociation of Transition Metal-Sulfur Binary Cluster Ions. <i>Journal of the Chinese Chemical Society</i> , 1995, 42, 455-460.	0.8	4
42	A 4-aminonaphthalimide-based fluorescent traceable prodrug with excellent photoinduced cytotoxicity. <i>Chemical Communications</i> , 2021, 57, 6558-6561.	2.2	4
43	Intercellular Connections Related to Cell-Cell Crosstalk Specifically Recognized by an Aptamer. <i>Angewandte Chemie</i> , 2016, 128, 3982-3986.	1.6	2
44	Role of Oxygen Potential and Oxygen Ions on Phosphorus Removal from Silicon via Addition of FeO into Slag. <i>Silicon</i> , 2020, 12, 1145-1156.	1.8	2
45	Characterization and Identification of Aptamers against CD49c for the Detection, Capture, and Release of Cancer Cells. <i>ACS Applied Bio Materials</i> , 2022, 5, 3461-3468.	2.3	2
46	The formation and photolysis of tantalum sulfide cluster ions. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993, 26, 246-248.	1.0	0