

Nan Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

1,282
citations

18
h-index

35
g-index

46
ext. papers

1,554
ext. citations

6.5
avg, IF

4.46
L-index

#	Paper	IF	Citations
44	Transferrin receptor-mediated internalization and intracellular fate of conjugates of a DNA aptamer.. <i>Molecular Therapy - Nucleic Acids</i> , 2022 , 27, 1249-1259	10.7	2
43	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	4.4	1
42	A mitochondria-targeted near-infrared fluorescent probe for detection and imaging of HSO in living cells.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 278, 121305	4.4	0
41	A DNA Aptameric Ligand of Human Transferrin Receptor Generated by Cell-SELEX. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
40	A 4-aminonaphthalimide-based fluorescent traceable prodrug with excellent photoinduced cytotoxicity. <i>Chemical Communications</i> , 2021 , 57, 6558-6561	5.8	1
39	Immunomodulatory Effects of Polysaccharide Extract and Its Uptake Behaviors at the Cellular Level. <i>Molecules</i> , 2020 , 25,	4.8	17
38	Detection of Circulating Tumor-Related Materials by Aptamer Capturing and Endogenous Enzyme-Signal Amplification. <i>Analytical Chemistry</i> , 2020 , 92, 5370-5378	7.8	8
37	Thiazole Orange Styryl Derivatives as Fluorescent Probes for G-Quadruplex DNA.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2643-2650	4.1	15
36	Ratiometric detection and imaging of hydrogen sulfide in mitochondria based on a cyanine/naphthalimide hybrid fluorescent probe. <i>Analyt, The</i> , 2020 , 145, 6549-6555	5	12
35	FnCas12a/crRNA assisted dumbbell-PCR detection of IsomiRs with terminal and inner sequence variants. <i>Chemical Communications</i> , 2020 , 56, 10038-10041	5.8	4
34	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	2.4	1
33	A Nucleus-Targeting DNA Aptamer for Dead Cell Indication. <i>ACS Sensors</i> , 2019 , 4, 1612-1618	9.2	11
32	The Mechanism of the Selective Antiproliferation Effect of Guanine-Based Biomolecules and Its Compensation. <i>ACS Chemical Biology</i> , 2019 , 14, 1164-1173	4.9	6
31	Comparative Study of the Chemical Constituents and Bioactivities of the Extracts from Fruits, Leaves and Root Barks of. <i>Molecules</i> , 2019 , 24,	4.8	14
30	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	7.8	4
29	A Mitochondria-Targeted Ratiometric Fluorescent pH Probe.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1368-1375	7.5	18
28	In vitro selection of DNA aptamers recognizing drug-resistant ovarian cancer by cell-SELEX. <i>Talanta</i> , 2019 , 194, 437-445	6.2	25

27	Flow Cytometric Bead Sandwich Assay Based on a Split Aptamer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2312-2318	9.5	4
26	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	9.5	33
25	Oxidative degradation of polyamines by serum supplement causes cytotoxicity on cultured cells. <i>Scientific Reports</i> , 2018 , 8, 10384	4.9	13
24	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	16.4	30
23	3D Nitrogen-Anion-Decorated Nickel Sulfides for Highly Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2017 , 29, 1701584	24	375
22	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	3.7	43
21	Development of squaraine based G-quadruplex ligands using click chemistry. <i>Scientific Reports</i> , 2017 , 7, 4766	4.9	20
20	Design of two electrode system for detection of antioxidant capacity with photoelectrochemical platform. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 458-64	11.8	10
19	Intercellular Connections Related to Cell-Cell Crosstalk Specifically Recognized by an Aptamer. <i>Angewandte Chemie</i> , 2016 , 128, 3982-3986	3.6	2
18	Controlled electrodeposition of CoMo _x on carbon cloth: A 3D cathode for highly-efficient electrocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 3811-3819	6.7	36
17	Intercellular Connections Related to Cell-Cell Crosstalk Specifically Recognized by an Aptamer. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3914-8	16.4	31
16	A Bis(methylpiperazinylstyryl)phenanthroline as a Fluorescent Ligand for G-Quadruplexes. <i>Chemistry - A European Journal</i> , 2016 , 22, 6037-47	4.8	35
15	The fluorescence detection of glutathione by DH radicals elimination with catalyst of MoS ₂ /rGO under full spectrum visible light irradiation. <i>Talanta</i> , 2015 , 144, 551-8	6.2	30
14	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, 12193-202	9.5	139
13	Biomolecule-free, selective detection of o-diphenol and its derivatives with WS ₂ /TiO ₂ -based photoelectrochemical platform. <i>Analytical Chemistry</i> , 2015 , 87, 4844-50	7.8	54
12	Ratiometric fluorescent silver nanoclusters for the determination of mercury and copper ions. <i>Analytical Methods</i> , 2015 , 7, 8019-8024	3.2	11
11	Edge-rich MoS ₂ Nanosheets Rooting into Polyaniline Nanofibers as Effective Catalyst for Electrochemical Hydrogen Evolution. <i>Electrochimica Acta</i> , 2015 , 180, 155-163	6.7	62
10	Cytotoxicity of guanine-based degradation products contributes to the antiproliferative activity of guanine-rich oligonucleotides. <i>Chemical Science</i> , 2015 , 6, 3831-3838	9.4	27

- 9 Activity enhancement of G-quadruplex/hemin DNAzyme by spermine. *RSC Advances*, **2014**, 4, 1441-1448 3.7 41
- 8 Exact tailoring of an ATP controlled streptavidin binding aptamer. *RSC Advances*, **2014**, 4, 15111 3.7 4
- 7 DNA aptamer evolved by cell-SELEX for recognition of prostate cancer. *PLoS ONE*, **2014**, 9, e100243 3.7 45
- 6 Direct electron transfer of Cytochrome c at mono-dispersed and negatively charged perylene-graphene matrix. *Talanta*, **2013**, 107, 195-202 6.2 22
- 5 Formation and Photodissociation of Transition Metal-Sulfur Binary Cluster Ions. *Journal of the Chinese Chemical Society*, **1995**, 42, 455-460 1.5 4
- 4 Aluminum-Sulfur cluster ions: Formation and photolysis. *Journal of Chemical Physics*, **1994**, 101, 1219-1224 3.9 11
- 3 The formation, photodissociation, and bond structure of cobalt-Sulfur cluster ions. *Journal of Chemical Physics*, **1994**, 101, 9528-9533 3.9 13
- 2 The production and photodissociation of iron-Sulfur cluster ions. *Journal of Chemical Physics*, **1993**, 99, 1765-1770 3.9 43
- 1 The formation and photolysis of tantalum sulfide cluster ions. *Zeitschrift für Physik D-Atoms Molecules and Clusters*, **1993**, 26, 246-248