

Liyun Zhang

List of Publications by Year in descending order

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34
papers

1,002
citations

430874

18
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

1680
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR/Cas12a-Derived electrochemical aptasensor for ultrasensitive detection of COVID-19 nucleocapsid protein. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113922.	10.1	54
2	Development of Aptamer-Based Molecular Tools for Rapid Intraoperative Diagnosis and <i>In Vivo</i> Imaging of Serous Ovarian Cancer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16118-16126.	8.0	15
3	Aptamers: The Powerful Molecular Tools for Virus Detection. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1298-1306.	3.3	12
4	Structural, Mechanistic, and Functional Insights into an <i>Arthrobacter nicotinovorans</i> Molybdenum Hydroxylase Involved in Nicotine Degradation. <i>Molecules</i> , 2021, 26, 4387.	3.8	2
5	Discovery of sandwich type COVID-19 nucleocapsid protein DNA aptamers. <i>Chemical Communications</i> , 2020, 56, 10235-10238.	4.1	132
6	Aerobic Photocatalytic H ₂ Production by a [NiFe] Hydrogenase Engineered to Place a Silver Nanocluster in the Electron Relay. <i>Journal of the American Chemical Society</i> , 2020, 142, 12699-12707.	13.7	21
7	Fast and Selective Photoreduction of CO ₂ to CO Catalyzed by a Complex of Carbon Monoxide Dehydrogenase, TiO ₂ , and Ag Nanoclusters. <i>ACS Catalysis</i> , 2018, 8, 2789-2795.	11.2	82
8	Direct visible light activation of a surface cysteine-engineered [NiFe]-hydrogenase by silver nanoclusters. <i>Energy and Environmental Science</i> , 2018, 11, 3342-3348.	30.8	26
9	Developing a combined strategy for monitoring the progress of aptamer selection. <i>Analyst, The</i> , 2017, 142, 3136-3139.	3.5	54
10	Development of a disaggregation-induced emission probe for the detection of RecA inteins from <i>Mycobacterium tuberculosis</i> . <i>Chemical Communications</i> , 2016, 52, 9086-9088.	4.1	6
11	A highly selective fluorogenic probe for the detection and <i>in vivo</i> imaging of Cu/Zn superoxide dismutase. <i>Chemical Communications</i> , 2016, 52, 9093-9096.	4.1	19
12	Development of a fraction collection approach in capillary electrophoresis SELEX for aptamer selection. <i>Analyst, The</i> , 2015, 140, 2664-2670.	3.5	42
13	Chloride-induced shape transformation of silver nanoparticles in a water environment. <i>Environmental Pollution</i> , 2015, 204, 145-151.	7.5	27
14	Development of fluorescent probes specific for parallel-stranded G-quadruplexes by a library approach. <i>Chemical Communications</i> , 2015, 51, 7386-7389.	4.1	27
15	“Orange alert”: A fluorescent detector for bisphenol A in water environments. <i>Analytica Chimica Acta</i> , 2014, 815, 51-56.	5.4	18
16	The role of “disaggregation” in optical probe development. <i>Chemical Society Reviews</i> , 2014, 43, 2402.	38.1	164
17	Discovery of a Structural-Element Specific G-Quadruplex “Light-Up” Probe. <i>Scientific Reports</i> , 2014, 4, 3776.	3.3	41
18	Interactions of disulfide-constrained cyclic tetrapeptides with Cu ²⁺ . <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 277-286.	2.6	4

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19	Make Caffeine Visible: a Fluorescent Caffeine "Traffic Light" Detector. <i>Scientific Reports</i> , 2013, 3, 2255.	3.3	43
20	Cu(II)- and disulfide bonds-induced stabilization during the guanidine hydrochloride- and thermal-induced denaturation of NAD-glycohydrolase from the venom of <i>Agkistrodon acutus</i> . <i>Metallomics</i> , 2012, 4, 166-173.	2.4	4
21	A Potential Bioenergy Tree: <i>Pistacia chinensis</i> Bunge. <i>Energy Procedia</i> , 2012, 16, 737-746.	1.8	25
22	Synchrotron vacuum ultraviolet (VUV) photo-induced fragmentation of cyclic dipeptides radical cations. <i>Amino Acids</i> , 2012, 43, 279-287.	2.7	2
23	Cisplatin Inhibits Protein Splicing, Suggesting Inteins as Therapeutic Targets in Mycobacteria. <i>Journal of Biological Chemistry</i> , 2011, 286, 1277-1282.	3.4	43
24	Identification of a nitric oxide-dependent hypotensive effect of anticoagulation factor II from the venom of <i>Agkistrodon acutus</i> . <i>Biochemical Pharmacology</i> , 2010, 79, 498-506.	4.4	8
25	Binding and Inhibition of Copper Ions to RecA Inteins from <i>Mycobacterium tuberculosis</i> . <i>Chemistry - A European Journal</i> , 2010, 16, 4297-4306.	3.3	24
26	Mg(II)-induced binding of factor IX-binding protein from the venom of <i>Agkistrodon Halys</i> Pallas with factor Xa. <i>Toxicon</i> , 2010, 55, 1358-1364.	1.6	3
27	Metal ions binding to NAD-glycohydrolase from the venom of <i>Agkistrodon acutus</i> : Regulation of multicatalytic activity. <i>Metallomics</i> , 2010, 2, 480.	2.4	11
28	Effect of metal ion substitutions in anticoagulation factor I from the venom of <i>Agkistrodon acutus</i> on the binding of activated coagulation factor X and on structural stability. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 559-571.	2.6	14
29	Identification of an unusual AT(D)Pase-like activity in multifunctional NAD glycohydrolase from the venom of <i>Agkistrodon acutus</i> . <i>Biochimie</i> , 2009, 91, 240-251.	2.6	6
30	Metal ions binding to recA inteins from <i>Mycobacterium tuberculosis</i> . <i>Molecular BioSystems</i> , 2009, 5, 644.	2.9	24
31	Oxygen-dependent Oxidation of Fe(II) to Fe(III) and Interaction of Fe(III) with Bovine Serum Albumin, Leading to a Hysteretic Effect on the Fluorescence of Bovine Serum Albumin. <i>Journal of Fluorescence</i> , 2008, 18, 193-201.	2.5	40
32	Metal ions- and pH-induced conformational changes of acutolysin A from <i>Agkistrodon acutus</i> venom probed by fluorescent spectroscopy. <i>Biopolymers</i> , 2007, 85, 81-90.	2.4	3
33	Calcium Ion-Induced Stabilization and Refolding of Agkisacutacin from <i>Agkistrodon Acutus</i> Venom Studied by Fluorescent Spectroscopy. <i>Journal of Fluorescence</i> , 2007, 17, 215-221.	2.5	4
34	Effects of Metal Ions on the Conformation and Activity of Acutolysin D from <i>Agkistrodon Acutus</i> Venom. <i>Protein Journal</i> , 2006, 25, 423-430.	1.6	2