

Liyun Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

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 | The role of "disaggregation" in optical probe development. <i>Chemical Society Reviews</i> , 2014, 43, 2402. | 38.1 | 164 |
| 2 | Discovery of sandwich type COVID-19 nucleocapsid protein DNA aptamers. <i>Chemical Communications</i> , 2020, 56, 10235-10238. | 4.1 | 132 |
| 3 | 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 |
| 4 | Developing a combined strategy for monitoring the progress of aptamer selection. <i>Analyst, The</i> , 2017, 142, 3136-3139. | 3.5 | 54 |
| 5 | CRISPR/Cas12a-Derived electrochemical aptasensor for ultrasensitive detection of COVID-19 nucleocapsid protein. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113922. | 10.1 | 54 |
| 6 | Cisplatin Inhibits Protein Splicing, Suggesting Inteins as Therapeutic Targets in Mycobacteria. <i>Journal of Biological Chemistry</i> , 2011, 286, 1277-1282. | 3.4 | 43 |
| 7 | Make Caffeine Visible: a Fluorescent Caffeine "Traffic Light" Detector. <i>Scientific Reports</i> , 2013, 3, 2255. | 3.3 | 43 |
| 8 | Development of a fraction collection approach in capillary electrophoresis SELEX for aptamer selection. <i>Analyst, The</i> , 2015, 140, 2664-2670. | 3.5 | 42 |
| 9 | Discovery of a Structural-Element Specific G-Quadruplex "Light-Up" Probe. <i>Scientific Reports</i> , 2014, 4, 3776. | 3.3 | 41 |
| 10 | 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 |
| 11 | Chloride-induced shape transformation of silver nanoparticles in a water environment. <i>Environmental Pollution</i> , 2015, 204, 145-151. | 7.5 | 27 |
| 12 | 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 |
| 13 | 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 |
| 14 | A Potential Bioenergy Tree: <i>Pistacia chinensis</i> Bunge. <i>Energy Procedia</i> , 2012, 16, 737-746. | 1.8 | 25 |
| 15 | Metal ions binding to recA inteins from <i>Mycobacterium tuberculosis</i> . <i>Molecular BioSystems</i> , 2009, 5, 644. | 2.9 | 24 |
| 16 | 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 |
| 17 | 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 |
| 18 | A highly selective fluorogenic probe for the detection and in vivo imaging of Cu/Zn superoxide dismutase. <i>Chemical Communications</i> , 2016, 52, 9093-9096. | 4.1 | 19 |

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|----|---|-----|-----------|
| 19 | “Orange alert” A fluorescent detector for bisphenol A in water environments. <i>Analytica Chimica Acta</i> , 2014, 815, 51-56. | 5.4 | 18 |
| 20 | 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 |
| 21 | 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 |
| 22 | Aptamers: The Powerful Molecular Tools for Virus Detection. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1298-1306. | 3.3 | 12 |
| 23 | 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 |
| 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 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Interactions of disulfide-constrained cyclic tetrapeptides with Cu ²⁺ . <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 277-286. | 2.6 | 4 |
| 30 | 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 |
| 31 | Mg(II)-induced binding of factor IX-binding protein from the venom of <i>Agkistrodon Halys Pallas</i> with factor Xa. <i>Toxicon</i> , 2010, 55, 1358-1364. | 1.6 | 3 |
| 32 | 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 |
| 33 | Synchrotron vacuum ultraviolet (VUV) photo-induced fragmentation of cyclic dipeptides radical cations. <i>Amino Acids</i> , 2012, 43, 279-287. | 2.7 | 2 |
| 34 | 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 |