Meng Zhao

List of Publications by Year
in descending order

21 papers	761 citations	687363 13 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	1193 citing authors

#	Article	IF	Citations
1	Insights into metalloenzyme microenvironments: biomimetic metal complexes with a functional second coordination sphere. Chemical Society Reviews, 2013, 42, 8360.	38.1	189
2	Dual-Enzyme Characteristics of Polyvinylpyrrolidone-Capped Iridium Nanoparticles and Their Cellular Protective Effect against H₂O₂-Induced Oxidative Damage. ACS Applied Materials & Interfaces, 2015, 7, 8233-8242.	8.0	169
3	Ester Hydrolysis by a Cyclodextrin Dimer Catalyst with a Metallophenanthroline Linking Group. Chemistry - A European Journal, 2008, 14, 7193-7201.	3.3	53
4	Anti-Frameshifting Ligand Active against SARS Coronavirus-2 Is Resistant to Natural Mutations of the Frameshift-Stimulatory Pseudoknot. Journal of Molecular Biology, 2020, 432, 5843-5847.	4.2	45
5	Modeling the structure of the frameshift-stimulatory pseudoknot in SARS-CoV-2 reveals multiple possible conformers. PLoS Computational Biology, 2021, 17, e1008603.	3.2	38
6	Unexpected phosphodiesterase activity at low pH of a dinuclear copperâ€“Î²-cyclodextrin complex. Chemical Communications, 2011, 47, 7344.	4.1	29
7	Mechanical strength of RNA knot in Zika virus protects against cellular defenses. Nature Chemical Biology, 2021, 17, 975-981.	8.0	29
8	Structural dynamics of single SARS-CoV-2 pseudoknot molecules reveal topologically distinct conformers. Nature Communications, 2021, 12, 4749.	12.8	29
9	Site-specific dual-color labeling of long RNAs for single-molecule spectroscopy. Nucleic Acids Research, 2018, 46, e13-e13.	14.5	28
10	Effect of hydrophobic interaction cooperating with double Lewis acid activation in a zinc(ii) phosphodiesterase mimic. Chemical Communications, 2010, 46, 6497.	4.1	27
11	Effect of cyclodextrin dimers with bipyridyl and biphenyl linking groups on carboxyl ester hydrolysis catalyzed by zinc complex. Journal of Molecular Catalysis A, 2009, 308, 61-67.	4.8	19
12	Rapid hydrolysis of phosphate ester promoted by Ce(iv) conjugating with a Î²-cyclodextrin monomer and dimer. Dalton Transactions, 2012, 41, 4469.	3.3	17
13	Enantioselective Hydrolysis of Amino Acid Esters Promoted by Bis(Î²-cyclodextrin) Copper Complexes. Scientific Reports, 2016, 6, 22080.	3.3	14
14	Sequence-Specific Post-Synthetic Oligonucleotide Labeling for Single-Molecule Fluorescence Applications. ACS Chemical Biology, 2016, 11, 2558-2567.	3.4	14
15	Carboxylic ester hydrolysis catalyzed by a hostâ€“guest system constructed by cyclodextrin dimer and zinc complex. Journal of Molecular Catalysis A, 2008, 293, 59-64.	4.8	13
16	Phosphate ester hydrolysis catalyzed by a dinuclear cobalt(II) complex equipped with intramolecular Î²-cyclodextrins. Journal of Molecular Catalysis A, 2015, 396, 346-352.	4.8	12
17	Enhanced anti-cancer efficacy to cancer cells by doxorubicin loaded water-soluble amino acid-modified Î²-cyclodextrin platinum complexes. Journal of Inorganic Biochemistry, 2014, 137, 31-39.	3.5	10
18	Enantioselective hydrolysis of amino acid esters by non-chiral copper complexes equipped with bis (Î²-cyclodextrin)s. Journal of Molecular Catalysis A, 2016, 424, 297-303.	4.8	10

#	Article	IF	Citations
19	An anthracene-modified Î²-cyclodextrin that distinguishes adenosine phosphates fluorescently. Tetrahedron Letters, 2014, 55, 1802-1805.	1.4	6
20	Î²-Biguanidinium-cyclodextrin: a supramolecular mimic of mitochondrial ADP/ATP carrier protein. Tetrahedron, 2014, 70, 2378-2382.	1.9	5
21	Site-Specific Dual-Color Labeling of Long RNAs. Methods in Molecular Biology, 2020, 2106, 253-270.	0.9	1