

# Meng Zhao

## List of Publications by Year in descending order

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21  
papers

761  
citations

687363

13  
h-index

713466

21  
g-index

23  
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23  
docs citations

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times ranked

1193  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the structure of the frameshift-stimulatory pseudoknot in SARS-CoV-2 reveals multiple possible conformers. <i>PLoS Computational Biology</i> , 2021, 17, e1008603.	3.2	38
2	Mechanical strength of RNA knot in Zika virus protects against cellular defenses. <i>Nature Chemical Biology</i> , 2021, 17, 975-981.	8.0	29
3	Structural dynamics of single SARS-CoV-2 pseudoknot molecules reveal topologically distinct conformers. <i>Nature Communications</i> , 2021, 12, 4749.	12.8	29
4	Anti-Frameshifting Ligand Active against SARS Coronavirus-2 Is Resistant to Natural Mutations of the Frameshift-Stimulatory Pseudoknot. <i>Journal of Molecular Biology</i> , 2020, 432, 5843-5847.	4.2	45
5	Site-Specific Dual-Color Labeling of Long RNAs. <i>Methods in Molecular Biology</i> , 2020, 2106, 253-270.	0.9	1
6	Site-specific dual-color labeling of long RNAs for single-molecule spectroscopy. <i>Nucleic Acids Research</i> , 2018, 46, e13-e13.	14.5	28
7	Enantioselective Hydrolysis of Amino Acid Esters Promoted by Bis( $\beta$ -cyclodextrin) Copper Complexes. <i>Scientific Reports</i> , 2016, 6, 22080.	3.3	14
8	Enantioselective hydrolysis of amino acid esters by non-chiral copper complexes equipped with bis( $\beta$ -cyclodextrin)s. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 297-303.	4.8	10
9	Sequence-Specific Post-Synthetic Oligonucleotide Labeling for Single-Molecule Fluorescence Applications. <i>ACS Chemical Biology</i> , 2016, 11, 2558-2567.	3.4	14
10	Phosphate ester hydrolysis catalyzed by a dinuclear cobalt(II) complex equipped with intramolecular $\beta$ -cyclodextrins. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 346-352.	4.8	12
11	Dual-Enzyme Characteristics of Polyvinylpyrrolidone-Capped Iridium Nanoparticles and Their Cellular Protective Effect against H <sub>2</sub> O <sub>2</sub> -Induced Oxidative Damage. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 8233-8242.	8.0	169
12	An anthracene-modified $\beta$ -cyclodextrin that distinguishes adenosine phosphates fluorescently. <i>Tetrahedron Letters</i> , 2014, 55, 1802-1805.	1.4	6
13	Enhanced anti-cancer efficacy to cancer cells by doxorubicin loaded water-soluble amino acid-modified $\beta$ -cyclodextrin platinum complexes. <i>Journal of Inorganic Biochemistry</i> , 2014, 137, 31-39.	3.5	10
14	$\beta$ -Biguanidinium-cyclodextrin: a supramolecular mimic of mitochondrial ADP/ATP carrier protein. <i>Tetrahedron</i> , 2014, 70, 2378-2382.	1.9	5
15	Insights into metalloenzyme microenvironments: biomimetic metal complexes with a functional second coordination sphere. <i>Chemical Society Reviews</i> , 2013, 42, 8360.	38.1	189
16	Rapid hydrolysis of phosphate ester promoted by Ce(IV) conjugating with a $\beta$ -cyclodextrin monomer and dimer. <i>Dalton Transactions</i> , 2012, 41, 4469.	3.3	17
17	Unexpected phosphodiesterase activity at low pH of a dinuclear copper $\beta$ -cyclodextrin complex. <i>Chemical Communications</i> , 2011, 47, 7344.	4.1	29
18	Effect of hydrophobic interaction cooperating with double Lewis acid activation in a zinc(II) phosphodiesterase mimic. <i>Chemical Communications</i> , 2010, 46, 6497.	4.1	27

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19	Effect of cyclodextrin dimers with bipyridyl and biphenyl linking groups on carboxyl ester hydrolysis catalyzed by zinc complex. <i>Journal of Molecular Catalysis A</i> , 2009, 308, 61-67.	4.8	19
20	Ester Hydrolysis by a Cyclodextrin Dimer Catalyst with a Metallophenanthroline Linking Group. <i>Chemistry - A European Journal</i> , 2008, 14, 7193-7201.	3.3	53
21	Carboxylic ester hydrolysis catalyzed by a host-guest system constructed by cyclodextrin dimer and zinc complex. <i>Journal of Molecular Catalysis A</i> , 2008, 293, 59-64.	4.8	13