

Kai Cai

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22
papers

675
citations

15
h-index

25
g-index

28
ext. papers

881
ext. citations

6.6
avg, IF

3.9
L-index

#	Paper	IF	Citations
22	Synthesis, Structures, and Properties of Zinc(II) and Cadmium(II) Complexes with 1,2,4,5-Tetrakis(imidazol-1-ylmethyl)benzene and Multicarboxylate Ligands. <i>Crystal Growth and Design</i> , 2010 , 10, 2553-2562	3.5	75
21	Cadmium(II) complexes with 3,5-di(1H-imidazol-1-yl)benzoate: topological and structural diversity tuned by counteranions. <i>CrystEngComm</i> , 2010 , 12, 100-108	3.3	65
20	Mitochondrial metabolism promotes adaptation to proteotoxic stress. <i>Nature Chemical Biology</i> , 2019 , 15, 681-689	11.7	62
19	Metamorphic protein IscU alternates conformations in the course of its role as the scaffold protein for iron-sulfur cluster biosynthesis and delivery. <i>FEBS Letters</i> , 2013 , 587, 1172-9	3.8	57
18	Human Mitochondrial Ferredoxin 1 (FDX1) and Ferredoxin 2 (FDX2) Both Bind Cysteine Desulfurase and Donate Electrons for Iron-Sulfur Cluster Biosynthesis. <i>Biochemistry</i> , 2017 , 56, 487-499	3.2	46
17	Human mitochondrial chaperone (mtHSP70) and cysteine desulfurase (NFS1) bind preferentially to the disordered conformation, whereas co-chaperone (HSC20) binds to the structured conformation of the iron-sulfur cluster scaffold protein (ISCU). <i>Journal of Biological Chemistry</i> , 2013 , 288, 28755-70	5.4	44
16	Structural/Functional Properties of Human NFU1, an Intermediate [4Fe-4S] Carrier in Human Mitochondrial Iron-Sulfur Cluster Biogenesis. <i>Structure</i> , 2016 , 24, 2080-2091	5.2	37
15	Interactions of iron-bound frataxin with ISCU and ferredoxin on the cysteine desulfurase complex leading to Fe-S cluster assembly. <i>Journal of Inorganic Biochemistry</i> , 2018 , 183, 107-116	4.2	35
14	pH-dependent self-assembly of copper(II) complexes with a new imidazole-containing polyamine ligand: Synthesis, structure and magnetic property. <i>Polyhedron</i> , 2008 , 27, 2672-2680	2.7	27
13	Mitochondrial Cysteine Desulfurase and ISD11 Coexpressed in Escherichia coli Yield Complex Containing Acyl Carrier Protein. <i>ACS Chemical Biology</i> , 2017 , 12, 918-921	4.9	23
12	Imidazolate-bridged dicopper(II) and copper(II)-zinc(II) complexes of macrocyclic ligand with methylimidazol pendants: Model study of copper(II)-zinc(II) superoxide dismutase. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 1156-61	4.2	21
11	The specialized Hsp70 (HscA) interdomain linker binds to its nucleotide-binding domain and stimulates ATP hydrolysis in both cis and trans configurations. <i>Biochemistry</i> , 2014 , 53, 7148-59	3.2	20
10	Imidazolate-bridged dinuclear copper(II) complex with new macrocyclic ligand bearing two 1H-imidazol-4-yl-pendants. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 847-851	3.1	16
9	Architectural Features of Human Mitochondrial Cysteine Desulfurase Complexes from Crosslinking Mass Spectrometry and Small-Angle X-Ray Scattering. <i>Structure</i> , 2018 , 26, 1127-1136.e4	5.2	15
8	ISCU(M108I) and ISCU(D39V) Differ from Wild-Type ISCU in Their Failure To Form Cysteine Desulfurase Complexes Containing Both Frataxin and Ferredoxin. <i>Biochemistry</i> , 2018 , 57, 1491-1500	3.2	12
7	ISCU interacts with NFU1, and ISCU[4Fe-4S] transfers its Fe-S cluster to NFU1 leading to the production of holo-NFU1. <i>Journal of Structural Biology</i> , 2020 , 210, 107491	3.4	10
6	Copper(II) and zinc(II) complexes with macrocyclic ligand: Structure variation via counteranion and co-ligand. <i>Journal of Molecular Structure</i> , 2010 , 973, 104-115	3.4	7

5	Electron transfer mechanism of the Rieske protein from <i>Thermus thermophilus</i> from solution nuclear magnetic resonance investigations. <i>Biochemistry</i> , 2013 , 52, 2862-73	3.2	5
4	Conformational flexibility in the enterovirus RNA replication platform. <i>Rna</i> , 2019 , 25, 376-387	5.8	5
3	NMR as a Tool to Investigate the Processes of Mitochondrial and Cytosolic Iron-Sulfur Cluster Biosynthesis. <i>Molecules</i> , 2018 , 23,	4.8	5
2	Zinc(II) Complexes with 1H-Imidazol-4-yl-Containing Polyamine Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 2009-2015	1.3	4
1	Structural organization of the C1b projection within the ciliary central apparatus. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	2