

Kai Cai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4680010/publications.pdf>

Version: 2024-02-01

24
papers

965
citations

623574

14
h-index

580701

25
g-index

28
all docs

28
docs citations

28
times ranked

1040
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial metabolism promotes adaptation to proteotoxic stress. <i>Nature Chemical Biology</i> , 2019, 15, 681-689.	3.9	275
2	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.	1.2	89
3	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.	1.4	80
4	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.	1.3	70
5	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, 1172-1179.	1.3	70
6	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.	1.5	51
7	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, 28755-28770.	1.6	50
8	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.	1.6	45
9	Mitochondrial Cysteine Desulfurase and ISD11 Coexpressed in <i>Escherichia coli</i> Yield Complex Containing Acyl Carrier Protein. <i>ACS Chemical Biology</i> , 2017, 12, 918-921.	1.6	32
10	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.	1.0	27
11	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, 1156-1161.	1.5	24
12	The Specialized Hsp70 (HscA) Interdomain Linker Binds to Its Nucleotide-Binding Domain and Stimulates ATP Hydrolysis in Both <i>cis</i> and <i>trans</i> Configurations. <i>Biochemistry</i> , 2014, 53, 7148-7159.	1.2	24
13	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.	1.6	20
14	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.	1.8	17
15	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.	1.2	16
16	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.	1.3	13
17	Conformational flexibility in the enterovirus RNA replication platform. <i>Rna</i> , 2019, 25, 376-387.	1.6	9
18	NMR as a Tool to Investigate the Processes of Mitochondrial and Cytosolic Iron-Sulfur Cluster Biosynthesis. <i>Molecules</i> , 2018, 23, 2213.	1.7	8

#	ARTICLE	IF	CITATIONS
19	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.	1.8	7
20	Cryo-electron Microscopic Analysis of Single-Pass Transmembrane Receptors. <i>Chemical Reviews</i> , 2022, 122, 13952-13988.	23.0	7
21	Electron Transfer Mechanism of the Rieske Protein from <i>Thermus thermophilus</i> from Solution Nuclear Magnetic Resonance Investigations. <i>Biochemistry</i> , 2013, 52, 2862-2873.	1.2	6
22	Zinc(II) Complexes with 1H-imidazole-4-yl-containing Polyamine Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 2009-2015.	0.6	4
23	Structural organization of the C1b projection within the ciliary central apparatus. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	3
24	Interactions of Frataxin with ISCU and Ferredoxin on the Cysteine Desulfurase Complex Leading to Fe-S Cluster Assembly. <i>Biophysical Journal</i> , 2018, 114, 571a.	0.2	0