

Shiliang Tian

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

2,435
citations

623734

14
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

3735
citing authors

#	ARTICLE	IF	CITATIONS
1	Stepwise nitrosylation of the nonheme iron site in an engineered azurin and a molecular basis for nitric oxide signaling mediated by nonheme iron proteins. <i>Chemical Science</i> , 2021, 12, 6569-6579.	7.4	2
2	Electron Transfer to the Trinuclear Copper Cluster in Electrocatalysis by the Multicopper Oxidases. <i>Journal of the American Chemical Society</i> , 2021, 143, 17236-17249.	13.7	11
3	Structural Basis for a Quadratic Relationship between Electronic Absorption and Electronic Paramagnetic Resonance Parameters of Type 1 Copper Proteins. <i>Inorganic Chemistry</i> , 2020, 59, 10620-10627.	4.0	0
4	Role of a Tyrosine Radical in Human Ceruloplasmin Catalysis. <i>ACS Central Science</i> , 2020, 6, 1835-1843.	11.3	11
5	Chloride Control of the Mechanism of Human Serum Ceruloplasmin (Cp) Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 10736-10743.	13.7	15
6	Probing the role of the backbone carbonyl interaction with the Cu _A center in azurin by replacing the peptide bond with an ester linkage. <i>Chemical Communications</i> , 2017, 53, 224-227.	4.1	15
7	Capturing Phase Evolution during Solvothermal Synthesis of Metastable Cu ₄ O ₃ . <i>Chemistry of Materials</i> , 2016, 28, 3080-3089.	6.7	22
8	A Purple Cupredoxin from <i>Nitrosopumilus maritimus</i> Containing a Mononuclear Type 1 Copper Center with an Open Binding Site. <i>Journal of the American Chemical Society</i> , 2016, 138, 6324-6327.	13.7	23
9	Reversible S-nitrosylation in an engineered azurin. <i>Nature Chemistry</i> , 2016, 8, 670-677.	13.6	41
10	Photocaged DNAzymes as a General Method for Sensing Metal Ions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13798-13802.	13.8	181
11	Photocaged DNAzymes as a General Method for Sensing Metal Ions in Living Cells. <i>Angewandte Chemie</i> , 2014, 126, 14018-14022.	2.0	43
12	Copper-sulfenate complex from oxidation of a cavity mutant of <i>Pseudomonas aeruginosa</i> azurin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 924-929.	7.1	46
13	Redesigning the Blue Copper Azurin into a Redox-Active Mononuclear Nonheme Iron Protein: Preparation and Study of Fe(II)-M121E Azurin. <i>Journal of the American Chemical Society</i> , 2014, 136, 12337-12344.	13.7	25
14	Metalloproteins Containing Cytochrome, Iron-Sulfur, or Copper Redox Centers. <i>Chemical Reviews</i> , 2014, 114, 4366-4469.	47.7	672
15	Electrocatalytic and Photocatalytic Hydrogen Production in Aqueous Solution by a Molecular Cobalt Complex. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5941-5944.	13.8	280
16	Roles of glutamates and metal ions in a rationally designed nitric oxide reductase based on myoglobin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8581-8586.	7.1	106
17	Lysozyme-stabilized gold fluorescent cluster: Synthesis and application as Hg ²⁺ sensor. <i>Analyst</i> , The, 2010, 135, 1406.	3.5	405
18	Multiple C-H Activations To Construct Biologically Active Molecules in a Process Completely Free of Organohalogen and Organometallic Components. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1115-1118.	13.8	478