

Karl J Koebke

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

321
citations

840776

11
h-index

888059

17
g-index

24
all docs

24
docs citations

24
times ranked

355
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalysis and Electron Transfer in <i>De Novo</i> Designed Metalloproteins. <i>Chemical Reviews</i> , 2022, 122, 12046-12109.	47.7	25
2	The pH-Induced Selectivity Between Cysteine or Histidine Coordinated Heme in an Artificial Helical Metalloprotein. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3974-3978.	13.8	10
3	The pH-Induced Selectivity Between Cysteine or Histidine Coordinated Heme in an Artificial Helical Metalloprotein. <i>Angewandte Chemie</i> , 2021, 133, 4020-4024.	2.0	2
4	Kinetic Analysis of Transient Intermediates in the Mechanism of Prenyl-Flavin-Dependent Ferulic Acid Decarboxylase. <i>Biochemistry</i> , 2021, 60, 125-134.	2.5	6
5	Molecular Structure of the Surface-Immobilized Super Uranyl Binding Protein. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7706-7716.	2.6	21
6	Nitrite reductase activity within an antiparallel de novo scaffold. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 855-862.	2.6	4
7	New Orange Ligand-Dependent Fluorescent Reporter for Anaerobic Imaging. <i>ACS Chemical Biology</i> , 2021, 16, 2109-2115.	3.4	9
8	Catalysis and Electron Transfer in <i>De Novo</i> Designed Helical Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7678-7699.	13.8	25
9	Katalyse und Elektronentransfer in helikalen <i>De Novo</i> Gerüststrukturen. <i>Angewandte Chemie</i> , 2020, 132, 7750-7773.	2.0	5
10	Refinement of protein Fe(II) binding characteristics utilizing a competition assay exploiting small molecule ferrous chelators. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110882.	3.5	7
11	Rational De Novo Design of a Cu Metalloenzyme for Superoxide Dismutation. <i>Chemistry - A European Journal</i> , 2020, 26, 249-258.	3.3	16
12	Traversing the Red-Green-Blue Color Spectrum in Rationally Designed Cupredoxins. <i>Journal of the American Chemical Society</i> , 2020, 142, 15282-15294.	13.7	10
13	Making or Breaking Metal-Dependent Catalytic Activity: The Role of Stammers in Designed Three-Stranded Coiled Coils. <i>Angewandte Chemie</i> , 2020, 132, 20625-20629.	2.0	0
14	Making or Breaking Metal-Dependent Catalytic Activity: The Role of Stammers in Designed Three-Stranded Coiled Coils. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20445-20449.	13.8	10
15	Probing Metal Ion Discrimination in a Protein Designed to Bind Uranyl Cation With Femtomolar Affinity. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 73.	3.5	6
16	Methylated Histidines Alter Tautomeric Preferences that Influence the Rates of Cu Nitrite Reductase Catalysis in Designed Peptides. <i>Journal of the American Chemical Society</i> , 2019, 141, 7765-7775.	13.7	15
17	Noncoded Amino Acids in <i>de Novo</i> Metalloprotein Design: Controlling Coordination Number and Catalysis. <i>Accounts of Chemical Research</i> , 2019, 52, 1160-1167.	15.6	13
18	Modifying the Steric Properties in the Second Coordination Sphere of Designed Peptides Leads to Enhancement of Nitrite Reductase Activity. <i>Angewandte Chemie</i> , 2018, 130, 4018-4021.	2.0	8

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19	Modifying the Steric Properties in the Second Coordination Sphere of Designed Peptides Leads to Enhancement of Nitrite Reductase Activity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3954-3957.	13.8	23
20	Clarifying the Copper Coordination Environment in a <i>de Novo</i> Designed Red Copper Protein. <i>Inorganic Chemistry</i> , 2018, 57, 12291-12302.	4.0	19
21	Development of <i>de Novo</i> Copper Nitrite Reductases: Where We Are and Where We Need To Go. <i>ACS Catalysis</i> , 2018, 8, 8046-8057.	11.2	16
22	Direct Monitoring of the Reaction between Photochemically Generated Nitric Oxide and <i>Mycobacterium tuberculosis</i> Truncated Hemoglobin N Wild Type and Variant Forms: An Assessment of Computational Mechanistic Predictions. <i>Biochemistry</i> , 2016, 55, 686-696.	2.5	9
23	Does the Oxidation of Nitric Oxide by oxyMyoglobin Share an Intermediate with the metMyoglobin-Catalyzed Isomerization of Peroxynitrite?. <i>Inorganic Chemistry</i> , 2013, 52, 7623-7632.	4.0	24
24	Polar Mixed-Solid Solute Systems in Supercritical Carbon Dioxide: Entrainer Effect and Its Influence on Solubility and Selectivity. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 415-421.	1.9	38