Julia J Griese

List of Publications by Year
in descending order

28 papers	943 citations	567281 15 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	1396 citing authors

#	Article	IF	Citations
1	Comparative structural analysis provides new insights into the function of R2â€like ligandâ€binding oxidase. FEBS Letters, 2022, 596, 1600-1610.	2.8	2
2	The bacterial iron sensor IdeR recognizes its DNA targets by indirect readout. Nucleic Acids Research, 2021, 49, 10120-10135.	14.5	6
3	Key Structural Motifs Balance Metal Binding and Oxidative Reactivity in a Heterobimetallic Mn/Fe Protein. Journal of the American Chemical Society, 2020, 142, 5338-5354.	13.7	23
4	The Bacillus anthracis class Ib ribonucleotide reductase subunit NrdF intrinsically selects manganese over iron. Journal of Biological Inorganic Chemistry, 2020, 25, 571-582.	2.6	15
5	Fate of oxygen species from O2 activation at dimetal cofactors in an oxidase enzyme revealed by 57Fe nuclear resonance X-ray scattering and quantum chemistry. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 148060.	1.0	1
6	Solving a new R2lox protein structure by microcrystal electron diffraction. Science Advances, 2019, 5, eaax4621.	10.3	65
7	Redox-induced structural changes in the di-iron and di-manganese forms of Bacillus anthracis ribonucleotide reductase subunit NrdF suggest a mechanism for gating of radical access. Journal of Biological Inorganic Chemistry, 2019, 24, 849-861.	2.6	9
8	DuoMab: a novel CrossMab-based IgG-derived antibody format for enhanced antibody-dependent cell-mediated cytotoxicity. MAbs, 2019, 11, 1402-1414.	5.2	8
9	Assembly of a heterodinuclear Mn/Fe cofactor is coupled to tyrosineâ€“valine ether cross-link formation in the R2-like ligand-binding oxidase. Journal of Biological Inorganic Chemistry, 2019, 24, 211-221.	2.6	7
10	Location-specific quantification of protein-bound metal ions by X-ray anomalous dispersion: Q-XAD. Acta Crystallographica Section D: Structural Biology, 2019, 75, 764-771.	2.3	5
11	Chemical flexibility of heterobimetallic Mn/Fe cofactors: R2lox and R2c proteins. Journal of Biological Chemistry, 2019, 294, 18372-18386.	3.4	8
12	Driving Protein Conformational Changes with Light: Photoinduced Structural Rearrangement in a Heterobimetallic Oxidase. Journal of the American Chemical Society, 2018, 140, 1471-1480.	13.7	11
13	Ether cross-link formation in the R2-like ligand-binding oxidase. Journal of Biological Inorganic Chemistry, 2018, 23, 879-886.	2.6	8
14	Protonation State of MnFe and FeFe Cofactors in a Ligand-Binding Oxidase Revealed by X-ray Absorption, Emission, and Vibrational Spectroscopy and QM/MM Calculations. Inorganic Chemistry, 2016, 55, 9869-9885.	4.0	15
15	Divergent assembly mechanisms of the manganese/iron cofactors in R2lox and R2c proteins. Journal of Inorganic Biochemistry, 2016, 162, 164-177.	3.5	24
16	Structural Basis for Oxygen Activation at a Heterodinuclear Manganese/Iron Cofactor. Journal of Biological Chemistry, 2015, 290, 25254-25272.	3.4	29
17	Crystal structure, biochemical and cellular activities demonstrate separate functions of MTH1 and MTH2. Nature Communications, 2015, 6, 7871.	12.8	96
18	Characterization of Oxygen Bridged Manganese Model Complexes Using Multifrequency ¹⁷O-Hyperfine EPR Spectroscopies and Density Functional Theory. Journal of Physical Chemistry B, 2015, 119, 13904-13921.	2.6	27

#	Article	IF	Citations
19	Electronic Structural Flexibility of Heterobimetallic Mn/Fe Cofactors: R2lox and R2c Proteins. Journal of the American Chemical Society, 2014, 136, 13399-13409.	13.7	37
20	Assembly of nonheme Mn/Fe active sites in heterodinuclear metalloproteins. Journal of Biological Inorganic Chemistry, 2014, 19, 759-774.	2.6	23
21	Direct observation of structurally encoded metal discrimination and ether bond formation in a heterodinuclear metalloprotein. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17189-17194.	7.1	49
22	Crystal Structure of an Anti-Ang2 CrossFab Demonstrates Complete Structural and Functional Integrity of the Variable Domain. PLoS ONE, 2013, 8, e61953.	2.5	30
23	X-ray reduction correlates with soaking accessibility as judged from four non-crystallographically related diiron sites. Metallomics, 2012, 4, 894.	2.4	8
24	Structure and DNAâ€binding activity of the Pyrococcus furiosus SMC protein hinge domain. Proteins: Structure, Function and Bioinformatics, 2011, 79, 558-568.	2.6	25
25	Structure and DNA binding activity of the mouse condensin hinge domain highlight common and diverse features of SMC proteins. Nucleic Acids Research, 2010, 38, 3454-3465.	14.5	82
26	Structure and mechanism of a bacterial light-regulated cyclic nucleotide phosphodiesterase. Nature, 2009, 459, 1015-1018.	27.8	249
27	Photodynamics of blue-light-regulated phosphodiesterase BlrP1 protein from Klebsiella pneumoniae and its photoreceptor BLUF domain. Chemical Physics, 2008, 354, 130-141.	1.9	26
28	Xenobiotic Reductase A in the Degradation of Quinoline by Pseudomonas putida 86: Physiological Function, Structure and Mechanism of 8-Hydroxycoumarin Reduction. Journal of Molecular Biology, 2006, 361, 140-152.	4.2	55