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List of Publications by Year in descending order

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34
papers

1,337
citations

331259

21
h-index

377514

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all docs

34
docs citations

34
times ranked

1315
citing authors

#	ARTICLE	IF	CITATIONS
1	On the nature of decoherence in quantum circuits: Revealing the structural motif of the surface radicals in Al_2O_3 . <i>Science Advances</i> , 2022, 8, eabm6169.	4.7	5
2	Understanding the <i>g</i> -tensors of perchlorotriphenylmethyl and Finland-type trityl radicals. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20792-20800.	1.3	9
3	An evolutionary path to altered cofactor specificity in a metalloenzyme. <i>Nature Communications</i> , 2020, 11, 2738.	5.8	22
4	Wheat seed ageing viewed through the cellular redox environment and changes in pH. <i>Free Radical Research</i> , 2019, 53, 641-654.	1.5	23
5	Isoquinoline gas-phase absorption spectrum in the vacuum ultraviolet between 3.7 and 10.7 eV. New valence and Rydberg electronic states. <i>RSC Advances</i> , 2019, 9, 5121-5141.	1.7	2
6	A charge polarization model for the metal-specific activity of superoxide dismutases. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2363-2372.	1.3	7
7	VUV Absorption Spectra of Gas-Phase Quinoline in the 3.5–10.7 eV Photon Energy Range. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5832-5847.	1.1	8
8	Triple resonance EPR spectroscopy determines the Mn^{2+} coordination to ATP. <i>Journal of Magnetic Resonance</i> , 2018, 294, 143-152.	1.2	6
9	The Use of Mn(II) Bound to His-tags as Genetically Encodable Spin-Label for Nanometric Distance Determination in Proteins. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1072-1076.	2.1	22
10	Pulse Electron Double Resonance Detected Multinuclear NMR Spectra of Distant and Low Sensitivity Nuclei and Its Application to the Structure of Mn(II) Centers in Organisms. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13515-13523.	1.2	15
11	How Bonding in Manganous Phosphates Affects their $\text{Mn(II)}^{31}\text{P}$ Hyperfine Interactions. <i>Inorganic Chemistry</i> , 2015, 54, 10422-10428.	1.9	7
12	Nanometric distance measurements between Mn(ii)DOTA centers. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23368-23377.	1.3	21
13	Activation of a Unique Flavin-Dependent tRNA-Methylating Agent. <i>Biochemistry</i> , 2013, 52, 8949-8956.	1.2	27
14	Structure and Nature of Manganese(II) Imidazole Complexes in Frozen Aqueous Solutions. <i>Inorganic Chemistry</i> , 2013, 52, 3803-3813.	1.9	26
15	In Situ Determination of Manganese(II) Speciation in <i>Deinococcus radiodurans</i> by High Magnetic Field EPR. <i>Journal of Biological Chemistry</i> , 2013, 288, 5050-5055.	1.6	37
16	A Catalytic Intermediate and Several Flavin Redox States Stabilized by Folate-Dependent tRNA Methyltransferase from <i>Bacillus subtilis</i> . <i>Biochemistry</i> , 2011, 50, 5208-5219.	1.2	22
17	High-field EPR Study of the Effect of Chloride on Mn^{2+} Ions in Frozen Aqueous Solutions. <i>Applied Magnetic Resonance</i> , 2010, 37, 247-256.	0.6	7
18	Understanding the influence of the protein environment on the Mn(II) centers in Superoxide Dismutases using High-Field Electron Paramagnetic Resonance. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 308-317.	1.1	25

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19	pH-Dependent Structures of the Manganese Binding Sites in Oxalate Decarboxylase as Revealed by High-Field Electron Paramagnetic Resonance. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9016-9025.	1.2	31
20	Tuning the Redox Properties of Manganese(II) and Its Implications to the Electrochemistry of Manganese and Iron Superoxide Dismutases. <i>Inorganic Chemistry</i> , 2008, 47, 2897-2908.	1.9	61
21	High-Field 285 GHz Electron Paramagnetic Resonance Study of Indigenous Radicals of Humic Acids. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11860-11866.	1.1	54
22	The Relationship between the Manganese(II) Zero-Field Interaction and Mn(II)/Mn(III) Redox Potential of Mn(4-terpy)2 Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 13825-13827.	6.6	23
23	A Biomimetic Model of the Electron Transfer between P680 and the TyrZ-His190 Pair of PSII. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1536-1540.	7.2	87
24	The g-values and hyperfine coupling of amino acid radicals in proteins: comparison of experimental measurements with ab initio calculations. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, S229-S236.	1.1	43
25	Temperature-Dependent Coordination in E. coli Manganese Superoxide Dismutase. <i>Journal of the American Chemical Society</i> , 2005, 127, 6039-6047.	6.6	31
26	Manganese(II) Zero-Field Interaction in Cambialistic and Manganese Superoxide Dismutases and Its Relationship to the Structure of the Metal Binding Site. <i>Journal of the American Chemical Society</i> , 2004, 126, 2720-2726.	6.6	50
27	Protein-Based Radicals in the Catalase-Peroxidase of <i>Synechocystis</i> PCC6803: A Multifrequency EPR Investigation of Wild-Type and Variants on the Environment of the Heme Active Site. <i>Journal of the American Chemical Society</i> , 2003, 125, 14093-14102.	6.6	108
28	Direct Measurement of the Hyperfine and g-Tensors of a Mn(III)-Mn(IV) Complex in Polycrystalline and Frozen Solution Samples by High-Field EPR. <i>Journal of the American Chemical Society</i> , 2003, 125, 11637-11645.	6.6	23
29	Resolving intermediates in biological proton-coupled electron transfer: A tyrosyl radical prior to proton movement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8732-8735.	3.3	112
30	Multifrequency High-Field EPR Study of the Tryptophanyl and Tyrosyl Radical Intermediates in Wild-Type and the W191G Mutant of Cytochrome c Peroxidase. <i>Journal of the American Chemical Society</i> , 2001, 123, 5050-5058.	6.6	75
31	Sensitivity of Tyrosyl Radical g-Values to Changes in Protein Structure: A High-Field EPR Study of Mutants of Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2001, 123, 3048-3054.	6.6	61
32	High-Field EPR Characterization of Manganese Reconstituted Superoxide Dismutase from <i>Rhodobacter capsulatus</i> . <i>Journal of the American Chemical Society</i> , 2001, 123, 10123-10124.	6.6	27
33	245 GHz High-Field EPR Study of Tyrosine-D ⁺ and Tyrosine-Z ⁺ in Mutants of Photosystem II. <i>Biochemistry</i> , 1996, 35, 679-684.	1.2	119
34	g-Values as a Probe of the Local Protein Environment: High-Field EPR of Tyrosyl Radicals in Ribonucleotide Reductase and Photosystem II. <i>Journal of the American Chemical Society</i> , 1995, 117, 10713-10719.	6.6	141