Thomas G Spiro

List of Publications by Year
in descending order

23	752	759233 12	713466 21
papers	citations	h-index	g-index

23	23	23	1093
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bacteriogenic Manganese Oxides. Accounts of Chemical Research, 2010, 43, 2-9.	15.6	213
2	CO, NO and O2 as vibrational probes of heme protein interactions. Coordination Chemistry Reviews, 2013, 257, 511-527.	18.8	128
3	Resonance Raman characterization of the radical anion and triplet states of zinc tetraphenylporphine. The Journal of Physical Chemistry, 1991, 95, 9720-9727.	2.9	68
4	Biogenic and Synthetic MnO₂ Nanoparticles: Size and Growth Probed with Absorption and Raman Spectroscopies and Dynamic Light Scattering. Environmental Science & Technology, 2019, 53, 4185-4197.	10.0	63
5	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Coordinated Two-Stage Mn(II)/(III) and Mn(III)/(IV) Mechanism. Journal of the American Chemical Society, 2017, 139, 11381-11391.	13.7	58
6	Mn(II) Oxidation by the Multicopper Oxidase Complex Mnx: A Binuclear Activation Mechanism. Journal of the American Chemical Society, 2017, 139, 11369-11380.	13.7	39
7	Activity-Related Microsecond Dynamics Revealed by Temperature-Jump FÃ¶rster Resonance Energy Transfer Measurements on Thermophilic Alcohol Dehydrogenase. Journal of the American Chemical Society, 2018, 140, 900-903.	13.7	25
8	Multicopper manganese oxidase accessory proteins bind Cu and heme. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1853-1859.	2.3	24
9	Ultrafast Charge Transfer in Nickel Phthalocyanine Probed by Femtosecond Raman-Induced Kerr Effect Spectroscopy. Journal of the American Chemical Society, 2014, 136, 8746-8754.	13.7	23
10	Temperature-Jump Fluorescence Provides Evidence for Fully Reversible Microsecond Dynamics in a Thermophilic Alcohol Dehydrogenase. Journal of the American Chemical Society, 2015, 137, 10060-10063.	13.7	19
11	Mn(II) Binding and Subsequent Oxidation by the Multicopper Oxidase MnxG Investigated by Electron Paramagnetic Resonance Spectroscopy. Journal of the American Chemical Society, 2015, 137, 10563-10575.	13.7	17
12	Copper Binding Sites in the Manganese-Oxidizing Mnx Protein Complex Investigated by Electron Paramagnetic Resonance Spectroscopy. Journal of the American Chemical Society, 2017, 139, 8868-8877.	13.7	14
13	Cysteineâ€linked aromatic nitriles as UV resonance Raman probes of protein structure. Journal of Raman Spectroscopy, 2012, 43, 1244-1249.	2.5	11
14	A Twist on Heme Signaling. ACS Chemical Biology, 2008, 3, 673-675.	3.4	9
15	Ambidentate H-bonding of NO and O2 in heme proteins. Journal of Inorganic Biochemistry, 2012, 115, 204-210.	3.5	8
16	Mn(III) species formed by the multi-copper oxidase MnxG investigated by electron paramagnetic resonance spectroscopy. Journal of Biological Inorganic Chemistry, 2018, 23, 1093-1104.	2.6	8
17	Photoinduced charge flow inside an iron porphyrazine complex. Chemical Communications, 2019, 55, 13606-13609.	4.1	8
18	Quaternary Speeding in Hemoglobin. Journal of Molecular Biology, 2010, 400, 949-950.	4.2	5

#	Article	IF	Citations
19	Alternative modes of O2 activation in P450 and NOS enzymes are clarified by DFT modeling and resonance Raman spectroscopy. Journal of Inorganic Biochemistry, 2020, 207, 111054.	3.5	5
20	Computational Studies of Catalytic Loop Dynamics in Yersinia Protein Tyrosine Phosphatase Using Pathway Optimization Methods. Journal of Physical Chemistry B, 2019, 123, 7840-7851.	2.6	4
21	Metallo-inhibition of Mnx, a bacterial manganese multicopper oxidase complex. Journal of Inorganic Biochemistry, 2021, 224, 111547.	3.5	3
22	Co-Evolution Of Lasers And Raman Spectroscopy: A Personal Account. , 2010, , .		0
23	Early Steps in Cytochrome C Unfolding Probed by Nanosecond Laser Induced T-jumpâˆ•UV Resonance Raman Spectroscopy. , 2010, , .		0