Maurizio Benfatto

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10781939/publications.pdf

Version: 2024-02-01

19	752	687363 13	888059 17
papers	citations	h-index	g-index

19	19	19	1086
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Critical Reexamination of the Experimental Evidence of Orbital Ordering inLaMnO3andLa0.5Sr1.5MnO4. Physical Review Letters, 1999, 83, 636-639.	7.8	180
2	The Solution Structure of [Cu(aq)]2+and Its Implications for Rack-Induced Bonding in Blue Copper Protein Active Sites. Inorganic Chemistry, 2005, 44, 1922-1933.	4.0	134
3	X-ray structure analysis of a metalloprotein with enhanced active-site resolution using in situ x-ray absorption near edge structure spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6211-6216.	7.1	64
4	X-Ray Resonant Scattering as a Direct Probe of Orbital Ordering in Transition-Metal Oxides. Physical Review Letters, 1998, 80, 3400-3403.	7.8	59
5	X-ray Absorption Spectroscopy of Hemes and Hemeproteins in Solution: Multiple Scattering Analysis. Inorganic Chemistry, 2008, 47, 9905-9918.	4.0	52
6	Solution [Cu(amm)]²⁺ is a Strongly Solvated Square Pyramid: A Full Account of the Copper K-edge XAS Spectrum Within Single-Electron Theory. Inorganic Chemistry, 2008, 47, 4126-4139.	4.0	43
7	A high-resolution XAS study of aqueous Cu(II) in liquid and frozen solutions: Pyramidal, polymorphic, and non-centrosymmetric. Journal of Chemical Physics, 2015, 142, 084310.	3.0	43
8	Solvation structure of the halides from x-ray absorption spectroscopy. Journal of Chemical Physics, 2016, 145, 044318.	3.0	38
9	The X-ray Absorption Spectroscopic Model of the Copper(II) Imidazole Complex Ion in Liquid Aqueous Solution: A Strongly Solvated Square Pyramid. Inorganic Chemistry, 2012, 51, 2086-2096.	4.0	32
10	Equilibrium between 5- and 6-Fold Coordination in the First Hydration Shell of Cu(II). Journal of Physical Chemistry A, 2016, 120, 3958-3965.	2.5	17
11	MXAN Analysis of the XANES Energy Region of a Mononuclear Copper Complex:Â Applications to Bioinorganic Systems. Inorganic Chemistry, 2005, 44, 9652-9659.	4.0	16
12	Structural Features that Govern Enzymatic Activity in Carbonic Anhydrase from a Low-Temperature Adapted Fish, Chionodraco hamatus. Biophysical Journal, 2007, 93, 2781-2790.	0.5	15
13	A Close Look into the Low Energy Region of the XAS Spectra: The XANES Region. , 2015, , 213-240.		14
14	The x-ray absorption spectroscopy model of solvation about sulfur in aqueous L-cysteine. Journal of Chemical Physics, 2012, 137, 205103.	3.0	13
15	[Cu(aq)]2+ is structurally plastic and the axially elongated octahedron goes missing. Journal of Chemical Physics, 2018, 148, 204302.	3.0	13
16	The XAS model of dissolved Cu(II) and its significance to biological electron transfer. Journal of Physics: Conference Series, 2009, 190, 012059.	0.4	10
17	Comment on â€œX-Ray Anomalous Scattering Study of a Charge-Ordered State inNaV2O5â€• Physical Review Letters, 2001, 87, .	7.8	8
18	MXAN and Molecular Dynamics: A New Way to Look to the XANES (X-ray Absorption Near Edge) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.2	1

#	Article	IF	Citations
19	Symmetry Breaking in Solution-Phase [Cu(tsc)2(H2O)2]2+: Emergent Asymmetry in Cuâ€“S Distances and in Covalence. Journal of Physical Chemistry B, 2021, 125, 10779-10795.	2.6	0