

Maurizio Benfatto

List of Publications by Year in descending order

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19
papers

752
citations

687363

13
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

1086
citing authors

#	ARTICLE	IF	CITATIONS
1	Symmetry Breaking in Solution-Phase $[\text{Cu}(\text{tsc})_2(\text{H}_2\text{O})_2]^{2+}$: Emergent Asymmetry in Cu-S Distances and in Covalence. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10779-10795.	2.6	0
2	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 7	0.2	1
3	$[\text{Cu}(\text{aq})]^{2+}$ is structurally plastic and the axially elongated octahedron goes missing. <i>Journal of Chemical Physics</i> , 2018, 148, 204302.	3.0	13
4	Solvation structure of the halides from x-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2016, 145, 044318.	3.0	38
5	Equilibrium between 5- and 6-Fold Coordination in the First Hydration Shell of Cu(II). <i>Journal of Physical Chemistry A</i> , 2016, 120, 3958-3965.	2.5	17
6	A high-resolution XAS study of aqueous Cu(II) in liquid and frozen solutions: Pyramidal, polymorphic, and non-centrosymmetric. <i>Journal of Chemical Physics</i> , 2015, 142, 084310.	3.0	43
7	A Close Look into the Low Energy Region of the XAS Spectra: The XANES Region. , 2015, , 213-240.		14
8	The x-ray absorption spectroscopy model of solvation about sulfur in aqueous L-cysteine. <i>Journal of Chemical Physics</i> , 2012, 137, 205103.	3.0	13
9	The X-ray Absorption Spectroscopic Model of the Copper(II) Imidazole Complex Ion in Liquid Aqueous Solution: A Strongly Solvated Square Pyramid. <i>Inorganic Chemistry</i> , 2012, 51, 2086-2096.	4.0	32
10	The XAS model of dissolved Cu(II) and its significance to biological electron transfer. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012059.	0.4	10
11	Solution $[\text{Cu}(\text{amm})]^{2+}$ is a Strongly Solvated Square Pyramid: A Full Account of the Copper K-edge XAS Spectrum Within Single-Electron Theory. <i>Inorganic Chemistry</i> , 2008, 47, 4126-4139.	4.0	43
12	X-ray Absorption Spectroscopy of Hemes and Hemoproteins in Solution: Multiple Scattering Analysis. <i>Inorganic Chemistry</i> , 2008, 47, 9905-9918.	4.0	52
13	X-ray structure analysis of a metalloprotein with enhanced active-site resolution using in situ x-ray absorption near edge structure spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6211-6216.	7.1	64
14	Structural Features that Govern Enzymatic Activity in Carbonic Anhydrase from a Low-Temperature Adapted Fish, <i>Chionodraco hamatus</i> . <i>Biophysical Journal</i> , 2007, 93, 2781-2790.	0.5	15
15	The Solution Structure of $[\text{Cu}(\text{aq})]^{2+}$ and Its Implications for Rack-Induced Bonding in Blue Copper Protein Active Sites. <i>Inorganic Chemistry</i> , 2005, 44, 1922-1933.	4.0	134
16	MXAN Analysis of the XANES Energy Region of a Mononuclear Copper Complex: Applications to Bioinorganic Systems. <i>Inorganic Chemistry</i> , 2005, 44, 9652-9659.	4.0	16
17	Comment on "X-Ray Anomalous Scattering Study of a Charge-Ordered State in NaV_2O_5 ". <i>Physical Review Letters</i> , 2001, 87, .	7.8	8
18	Critical Reexamination of the Experimental Evidence of Orbital Ordering in LaMnO_3 and $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$. <i>Physical Review Letters</i> , 1999, 83, 636-639.	7.8	180

#	ARTICLE	IF	CITATIONS
19	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