

MaÅ,gorzata Korbas

List of Publications by Year in descending order

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29
papers

1,380
citations

331259

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Elemental and Chemically Specific X-ray Fluorescence Imaging of Biological Systems. <i>Chemical Reviews</i> , 2014, 114, 8499-8541.	23.0	234
2	The Chemical Nature of Mercury in Human Brain Following Poisoning or Environmental Exposure. <i>ACS Chemical Neuroscience</i> , 2010, 1, 810-818.	1.7	168
3	The Iron-Sulfur Cluster-free Hydrogenase (Hmd) Is a Metalloenzyme with a Novel Iron Binding Motif. <i>Journal of Biological Chemistry</i> , 2006, 281, 30804-30813.	1.6	134
4	Localizing organomercury uptake and accumulation in zebrafish larvae at the tissue and cellular level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12108-12112.	3.3	129
5	Solution structure of the partially folded high-risk human papilloma virus 45 oncoprotein E7. <i>Oncogene</i> , 2006, 25, 5953-5959.	2.6	101
6	Chemical Form Matters: Differential Accumulation of Mercury Following Inorganic and Organic Mercury Exposures in Zebrafish Larvae. <i>ACS Chemical Biology</i> , 2012, 7, 411-420.	1.6	83
7	Interaction of Potassium Cyanide with the [Ni-4Fe-5S] Active Site Cluster of CO Dehydrogenase from <i>Carboxydotherrnus hydrogenoformans</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 10639-10646.	1.6	45
8	Methylmercury Targets Photoreceptor Outer Segments. <i>ACS Chemical Biology</i> , 2013, 8, 2256-2263.	1.6	40
9	Reversed-phase high-performance liquid chromatographic separation of inorganic mercury and methylmercury driven by their different coordination chemistry towards thiols. <i>Journal of Chromatography A</i> , 2007, 1156, 331-339.	1.8	37
10	A multidimensional concept for mercury neuronal and sensory toxicity in fish - From toxicokinetics and biochemistry to morphometry and behavior. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 129298.	1.1	36
11	Interaction of mercury and selenium in the larval stage zebrafish vertebrate model. <i>Metallomics</i> , 2015, 7, 1247-1255.	1.0	34
12	Cell Wall Biomolecular Composition Plays a Potential Role in the Host Type II Resistance to Fusarium Head Blight in Wheat. <i>Frontiers in Microbiology</i> , 2016, 7, 910.	1.5	33
13	The role of melano-macrophage aggregates in the storage of mercury and other metals: An example from yelloweye rockfish (<i>Sebastes ruberrimus</i>). <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1918-1925.	2.2	32
14	A possible molecular link between the toxicological effects of arsenic, selenium and methylmercury: methylmercury(II) seleno bis(S-glutathionyl) arsenic(III). <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 461-470.	1.1	30
15	Dynamic accumulation and redistribution of methylmercury in the lens of developing zebrafish embryos and larvae. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 1137-1145.	1.1	30
16	KEMP: A program script for automated biological x-ray absorption spectroscopy data reduction. <i>Review of Scientific Instruments</i> , 2006, 77, 063105.	0.6	28
17	Target Organ Specific Activity of <i>Drosophila</i> MRP (ABCC1) Moderates Developmental Toxicity of Methylmercury. <i>Toxicological Sciences</i> , 2014, 140, 425-435.	1.4	28
18	Bone tissue incorporates in vitro gallium with a local structure similar to gallium-doped brushite. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 67-76.	1.1	25

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19	Molybdenum Induces the Expression of a Protein Containing a New Heterometallic Mo-Fe Cluster in <i>Desulfovibrio alaskensis</i> . <i>Biochemistry</i> , 2009, 48, 873-882.	1.2	25
20	The chemical forms of mercury and selenium in whale skeletal muscle. <i>Metallomics</i> , 2011, 3, 1232.	1.0	25
21	Sulfur X-ray Absorption Spectroscopy of Living Mammalian Cells: An Enabling Tool for Sulfur Metabolomics. In Situ Observation of Uptake of Taurine into MDCK Cells. <i>Biochemistry</i> , 2007, 46, 14735-14741.	1.2	24
22	Phenylthiourea alters toxicity of mercury compounds in zebrafish larvae. <i>Journal of Inorganic Biochemistry</i> , 2015, 151, 10-17.	1.5	18
23	Molecular Fates of Organometallic Mercury in Human Brain. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1756-1768.	1.7	12
24	Chapter 5 Inorganic Molecular Toxicology and Chelation Therapy of Heavy Metals and Metalloids. <i>Advances in Molecular Toxicology</i> , 2008, 2, 123-152.	0.4	9
25	Review of Canadian Light Source facilities for biological applications. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 411, 17-21.	0.6	7
26	Comparison of iodine K-edge subtraction and fluorescence subtraction imaging in an animal system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 594, 283-291.	0.7	4
27	Microprobe studies of inorganic deposits in the aortic wall. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000, 161-163, 887-893.	0.6	3
28	Application of EDXRF to the assessment of aortic valve mineralization. <i>X-Ray Spectrometry</i> , 2001, 30, 393-396.	0.9	3
29	Micro-PIXE studies on gallium incorporation in mineralized tissue. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001, 181, 529-532.	0.6	3