

Balázs Némethi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	PARP1- and CTCF-Mediated Interactions between Active and Repressed Chromatin at the Lamina Promote Oscillating Transcription. <i>Molecular Cell</i> , 2015, 59, 984-997.	9.7	120
2	Purine Nucleoside Phosphorylase as a Cytosolic Arsenate Reductase. <i>Toxicological Sciences</i> , 2002, 70, 13-19.	3.1	71
3	Dose-dependent biotransformation of arsenite in ratsâ€”not S-adenosylmethionine depletion impairs arsenic methylation at high dose. <i>Toxicology</i> , 2003, 183, 77-91.	4.2	60
4	The Glycolytic Enzyme Glyceraldehyde-3-Phosphate Dehydrogenase Works as an Arsenate Reductase in Human Red Blood Cells and Rat Liver Cytosol. <i>Toxicological Sciences</i> , 2005, 85, 859-869.	3.1	49
5	Reduction of Arsenate to Arsenite in Hepatic Cytosol. <i>Toxicological Sciences</i> , 2002, 70, 4-12.	3.1	48
6	Polynucleotide Phosphorylase and Mitochondrial ATP Synthase Mediate Reduction of Arsenate to the More Toxic Arsenite by Forming Arsenylated Analogues of ADP and ATP. <i>Toxicological Sciences</i> , 2010, 117, 270-281.	3.1	45
7	Mitochondria Work as Reactors in Reducing Arsenate to Arsenite. <i>Toxicology and Applied Pharmacology</i> , 2002, 182, 208-218.	2.8	41
8	Arsenate Reduction in Human Erythrocytes and Rats--Testing the Role of Purine Nucleoside Phosphorylase. <i>Toxicological Sciences</i> , 2003, 74, 22-31.	3.1	41
9	Mechanism of Thiol-Supported Arsenate Reduction Mediated by Phosphorolytic-Arsenolytic Enzymes. <i>Toxicological Sciences</i> , 2009, 110, 282-292.	3.1	38
10	Glutathione-Dependent Reduction of Arsenate in Human Erythrocytes--a Process Independent of Purine Nucleoside Phosphorylase. <i>Toxicological Sciences</i> , 2004, 82, 419-428.	3.1	28
11	Complex Formation of Resorufin and Resazurin with β -Cyclodextrins: Can Cyclodextrins Interfere with a Resazurin Cell Viability Assay?. <i>Molecules</i> , 2018, 23, 382.	3.8	26
12	Reduction of Dimethylarsinic Acid to the Highly Toxic Dimethylarsinous Acid by Rats and Rat Liver Cytosol. <i>Chemical Research in Toxicology</i> , 2013, 26, 432-443.	3.3	25
13	Reduction of Arsenate to Arsenite by Human Erythrocyte Lysate and Rat Liver Cytosol â€” Characterization of a Glutathione- and NAD-Dependent Arsenate Reduction Linked to Glycolysis. <i>Toxicological Sciences</i> , 2005, 85, 847-858.	3.1	24
14	Mechanism of Thiol-Supported Arsenate Reduction Mediated by Phosphorolytic-Arsenolytic Enzymes. <i>Toxicological Sciences</i> , 2009, 110, 270-281.	3.1	20
15	Glutathione-Dependent Reduction of Arsenate by Glycogen Phosphorylaseâ€”A Reaction Coupled to Glycogenolysis. <i>Toxicological Sciences</i> , 2007, 100, 36-43.	3.1	19
16	Glutathione synthetase promotes the reduction of arsenate via arsenolysis of glutathione. <i>Biochimie</i> , 2012, 94, 1327-1333.	2.6	16
17	Glutathione-Dependent Reduction of Arsenate by Glycogen Phosphorylaseâ€”Responsiveness to Endogenous and Xenobiotic Inhibitors. <i>Toxicological Sciences</i> , 2007, 100, 44-53.	3.1	11
18	Effect of an Inactivator of Glyceraldehyde-3-Phosphate Dehydrogenase, a Fortuitous Arsenate Reductase, on Disposition of Arsenate in Rats. <i>Toxicological Sciences</i> , 2006, 90, 49-60.	3.1	10

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19	Glutathione-supported arsenate reduction coupled to arsenolysis catalyzed by ornithine carbamoyl transferase. <i>Toxicology and Applied Pharmacology</i> , 2009, 239, 154-161.	2.8	7
20	The mechanism of the polynucleotide phosphorylase-catalyzed arsenolysis of ADP. <i>Biochimie</i> , 2011, 93, 624-627.	2.6	7
21	Reduction of the Pentavalent Arsenical Dimethylarsinic Acid and the GSTO1 Substrate <i>S</i> -(4-Nitrophenacyl)glutathione by Rat Liver Cytosol: Analyzing the Role of GSTO1 in Arsenic Reduction. <i>Chemical Research in Toxicology</i> , 2015, 28, 2199-2209.	3.3	7
22	A high-performance liquid chromatography-based assay of glutathione transferase omega 1 supported by glutathione or non-physiological reductants. <i>Analytical Biochemistry</i> , 2015, 469, 12-18.	2.4	6
23	Effects of phosphate binders on the gastrointestinal absorption of arsenate and of an SGLT2 inhibitor drug on the urinary excretion of arsenite in mice. <i>Environmental Toxicology and Pharmacology</i> , 2017, 49, 179-187.	4.0	0