

# Barry P Rosen

## List of Publications by Year in descending order

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186  
papers

14,563  
citations

15880

67  
h-index

25230

113  
g-index

191  
all docs

191  
docs citations

191  
times ranked

10140  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic in medicine: past, present and future. <i>BioMetals</i> , 2023, 36, 283-301.	1.8	39
2	Oxidation of organoarsenicals and antimonite by a novel flavin monooxygenase widely present in soil bacteria. <i>Environmental Microbiology</i> , 2022, 24, 752-761.	1.8	26
3	Organoarsenical tolerance in <i>Spingobacterium wenxiniae</i> , a bacterium isolated from activated sludge. <i>Environmental Microbiology</i> , 2022, 24, 762-771.	1.8	10
4	The enigma of environmental organoarsenicals: Insights and implications. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3835-3862.	6.6	20
5	Functional characterization of the methylarsenite-inducible <i>arsRM</i> operon from <i>Noviherbaspirillum denitrificans</i> HC18. <i>Environmental Microbiology</i> , 2022, , .	1.8	6
6	<i>ArsZ</i> from <i>Ensifer adhaerens</i> ST2 is a novel methylarsenite oxidase. <i>Environmental Microbiology</i> , 2022, 24, 3013-3021.	1.8	6
7	An <i>ArsRC</i> fusion protein enhances arsenate sensing and detoxification. <i>Environmental Microbiology</i> , 2022, 24, 1977-1987.	1.8	3
8	The <i>ArsI</i> C-As lyase: Elucidating the catalytic mechanism of degradation of organoarsenicals. <i>Journal of Inorganic Biochemistry</i> , 2022, 232, 111836.	1.5	5
9	<i>Comamonas testosteroni antA</i> encodes an antimonite-translocating P-type ATPase. <i>Science of the Total Environment</i> , 2021, 754, 142393.	3.9	13
10	<i>NemA</i> Catalyzes Trivalent Organoarsenical Oxidation and Is Regulated by the Trivalent Organoarsenical-Selective Transcriptional Repressor <i>NemR</i> . <i>Environmental Science &amp; Technology</i> , 2021, 55, 6485-6494.	4.6	10
11	Functional and structural characterization of <i>AntR</i> , an Sb(III) responsive transcriptional repressor. <i>Molecular Microbiology</i> , 2021, 116, 427-437.	1.2	5
12	Regulation of arsenic methylation: identification of the transcriptional region of the human <i>AS3MT</i> gene. <i>Cell Biology and Toxicology</i> , 2021, , 1.	2.4	4
13	Aquaglyceroporin <i>AqpS</i> from <i>Sinorhizobium meliloti</i> conducts both trivalent and pentavalent methylarsenicals. <i>Chemosphere</i> , 2021, 270, 129379.	4.2	9
14	Antimicrobial Activity of Metals and Metalloids. <i>Annual Review of Microbiology</i> , 2021, 75, 175-197.	2.9	32
15	Anaerobic As(III) Oxidation Coupled with Nitrate Reduction and Attenuation of Dissolved Arsenic by <i>Noviherbaspirillum</i> Species. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2115-2123.	1.2	13
16	Identification of the Biosynthetic Gene Cluster for the Organoarsenical Antibiotic <i>Arsinothricin</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0050221.	1.2	14
17	Insights into S-adenosyl-L-methionine (SAM)-dependent methyltransferase related diseases and genetic polymorphisms. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 788, 108396.	2.4	13
18	<i>ArsV</i> and <i>ArsW</i> provide synergistic resistance to the antibiotic methylarsenite. <i>Environmental Microbiology</i> , 2021, 23, 7550-7562.	1.8	11

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19	Identification of a MarR Subfamily That Regulates Arsenic Resistance Genes. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0158821.	1.4	7
20	Chemical synthesis of the organoarsenical antibiotic arsinothricin. <i>RSC Advances</i> , 2021, 11, 35600-35606.	1.7	0
21	Organoarsenical compounds: Occurrence, toxicology and biotransformation. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 217-243.	6.6	39
22	The <i>Pseudomonas putida</i> NfnB nitroreductase confers resistance to roxarsone. <i>Science of the Total Environment</i> , 2020, 748, 141339.	3.9	10
23	Semisynthesis of the Organoarsenical Antibiotic Arsinothricin. <i>Journal of Natural Products</i> , 2020, 83, 2809-2813.	1.5	10
24	Comparative Cytotoxicity of Inorganic Arsenite and Methylarsenite in Human Brain Cells. <i>ACS Chemical Neuroscience</i> , 2020, 11, 743-751.	1.7	16
25	The Great Oxidation Event expanded the genetic repertoire of arsenic metabolism and cycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10414-10421.	3.3	96
26	The Arsenic Methylation Cycle: How Microbial Communities Adapted Methylarsenicals for Use as Weapons in the Continuing War for Dominance. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	65
27	Organoarsenicals inhibit bacterial peptidoglycan biosynthesis by targeting the essential enzyme MurA. <i>Chemosphere</i> , 2020, 254, 126911.	4.2	7
28	Reduction of Organoarsenical Herbicides and Antimicrobial Growth Promoters by the Legume Symbiont <i>Sinorhizobium meliloti</i> . <i>Environmental Science &amp; Technology</i> , 2019, 53, 13648-13656.	4.6	17
29	Genomewide Analysis of Mode of Action of the <i>S</i> -Adenosylmethionine Analogue Sinefungin in <i>Leishmania infantum</i> . <i>MSystems</i> , 2019, 4, .	1.7	13
30	Structures of two ArsR As(III)-responsive transcriptional repressors: Implications for the mechanism of derepression. <i>Journal of Structural Biology</i> , 2019, 207, 209-217.	1.3	26
31	Role of ArsEFG in Roxarsone and Nitarsone Detoxification and Resistance. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6182-6191.	4.6	27
32	Arsinothricin, an arsenic-containing non-proteinogenic amino acid analog of glutamate, is a broad-spectrum antibiotic. <i>Communications Biology</i> , 2019, 2, 131.	2.0	32
33	Pathways of arsenic uptake and efflux. <i>Environment International</i> , 2019, 126, 585-597.	4.8	207
34	Identification of Steps in the Pathway of Arsenosugar Biosynthesis. <i>Environmental Science &amp; Technology</i> , 2019, 53, 634-641.	4.6	25
35	The antibiotic action of methylarsenite is an emergent property of microbial communities. <i>Molecular Microbiology</i> , 2019, 111, 487-494.	1.2	59
36	Reorientation of the Methyl Group in MAs(III) is the Rate-Limiting Step in the <i>S</i> -Adenosylmethionine Methyltransferase Reaction. <i>ACS Omega</i> , 2018, 3, 3104-3112.	1.6	14

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37	Arsenic methylation by a novel ArsM As(III) <i>S</i> -adenosylmethionine methyltransferase that requires only two conserved cysteine residues. <i>Molecular Microbiology</i> , 2018, 107, 265-276.	1.2	42
38	Thiolation in arsenic metabolism: a chemical perspective. <i>Metallomics</i> , 2018, 10, 1368-1382.	1.0	30
39	Variants in genes encoding small GTPases and association with epithelial ovarian cancer susceptibility. <i>PLoS ONE</i> , 2018, 13, e0197561.	1.1	9
40	Arsenic-hypertolerant and arsenic-reducing bacteria isolated from wells in Tucum�n, Argentina. <i>Canadian Journal of Microbiology</i> , 2018, 64, 876-886.	0.8	15
41	Directed Evolution of <i>Saccharomyces cerevisiae</i> for Increased Selenium Accumulation. <i>Microorganisms</i> , 2018, 6, 81.	1.6	9
42	The Structure of an As(III) <i>S</i> -Adenosylmethionine Methyltransferase with 3-Coordinate Bound As(III) Depicts the First Step in Catalysis. <i>Biochemistry</i> , 2018, 57, 4083-4092.	1.2	28
43	Conserved cysteine residues determine substrate specificity in a novel <i>S</i> -adenosylmethionine methyltransferase from <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , 2017, 104, 250-259.	1.2	20
44	Bacterial resistance to arsenic protects against protist killing. <i>BioMetals</i> , 2017, 30, 307-311.	1.8	13
45	Nonsynonymous Polymorphisms in the Human AS3MT Arsenic Methylation Gene: Implications for Arsenic Toxicity. <i>Chemical Research in Toxicology</i> , 2017, 30, 1481-1491.	1.7	26
46	Linking Genes to Microbial Biogeochemical Cycling: Lessons from Arsenic. <i>Environmental Science &amp; Technology</i> , 2017, 51, 7326-7339.	4.6	223
47	Structural studies of the ArsD arsenic metallochaperone using molecular dynamics. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2017, 17, 227-233.	0.1	0
48	Arsenic methylation by a genetically engineered <i>Rhizobium</i> -legume symbiont. <i>Plant and Soil</i> , 2017, 416, 259-269.	1.8	48
49	Biochemical Characterization of ArsI: A Novel As Lyase for Degradation of Environmental Organoarsenicals. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11115-11125.	4.6	19
50	A novel MA(III)-selective ArsR transcriptional repressor. <i>Molecular Microbiology</i> , 2017, 106, 469-478.	1.2	45
51	Recurrent horizontal transfer of arsenite methyltransferase genes facilitated adaptation of life to arsenic. <i>Scientific Reports</i> , 2017, 7, 7741.	1.6	60
52	Synergistic interaction of glyceraldehydes�3-phosphate dehydrogenase and ArsJ, a novel organoarsenical efflux permease, confers arsenate resistance. <i>Molecular Microbiology</i> , 2016, 100, 945-953.	1.2	90
53	Organoarsenical Biotransformations by <i>Shewanella putrefaciens</i> . <i>Environmental Science &amp; Technology</i> , 2016, 50, 7956-7963.	4.6	50
54	Expression of arsenic resistance genes in the obligate anaerobe <i>Bacteroides vulgatus</i> ATCC 8482, a gut microbiome bacterium. <i>Anaerobe</i> , 2016, 39, 117-123.	1.0	26

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55	Arsenic Methylation in <i>Arabidopsis thaliana</i> Expressing an Algal Arsenite Methyltransferase Gene Increases Arsenic Phytotoxicity. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2674-2681.	2.4	39
56	Structure of the Arsl As Lyase: Insights into the Mechanism of Degradation of Organoarsenical Herbicides and Growth Promoters. <i>Journal of Molecular Biology</i> , 2016, 428, 2462-2473.	2.0	17
57	The organoarsenical biocycle and the primordial antibiotic methylarsenite. <i>Metallomics</i> , 2016, 8, 1047-1055.	1.0	56
58	Inositol transporters AtINT2 and AtINT4 regulate arsenic accumulation in <i>Arabidopsis</i> seeds. <i>Nature Plants</i> , 2016, 2, 15202.	4.7	88
59	Efficient Arsenic Methylation and Volatilization Mediated by a Novel Bacterium from an Arsenic-Contaminated Paddy Soil. <i>Environmental Science &amp; Technology</i> , 2016, 50, 6389-6396.	4.6	86
60	New mechanisms of bacterial arsenic resistance. <i>Biomedical Journal</i> , 2016, 39, 5-13.	1.4	142
61	Arsenic Directly Binds to and Activates the Yeast AP-1-Like Transcription Factor Yap8. <i>Molecular and Cellular Biology</i> , 2016, 36, 913-922.	1.1	42
62	Characterization of the extremely arsenic-resistant <i>Brevibacterium linens</i> strain AE038-8 isolated from contaminated groundwater in Tucumán, Argentina. <i>International Biodeterioration and Biodegradation</i> , 2016, 107, 147-153.	1.9	25
63	The optimal time for surgery in women with serous ovarian cancer. <i>Canadian Journal of Surgery</i> , 2016, 59, 223-232.	0.5	16
64	<i>arsP</i> : a methylarsenite efflux permease. <i>Molecular Microbiology</i> , 2015, 98, 625-635.	1.2	87
65	Common Genetic Variation In Cellular Transport Genes and Epithelial Ovarian Cancer (EOC) Risk. <i>PLoS ONE</i> , 2015, 10, e0128106.	1.1	44
66	Draft Genome Sequence of <i>Burkholderia</i> sp. MR1, a Methylarsenate-Reducing Bacterial Isolate from Florida Golf Course Soil. <i>Genome Announcements</i> , 2015, 3, .	0.8	2
67	Identification of six new susceptibility loci for invasive epithelial ovarian cancer. <i>Nature Genetics</i> , 2015, 47, 164-171.	9.4	221
68	Network-Based Integration of GWAS and Gene Expression Identifies a HOX-Centric Network Associated with Serous Ovarian Cancer Risk. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 1574-1584.	1.1	28
69	A disulfide-bond cascade mechanism for arsenic(III) S-adenosylmethionine methyltransferase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 505-515.	2.5	39
70	Genetically Engineering <i>Bacillus subtilis</i> with a Heat-Resistant Arsenite Methyltransferase for Bioremediation of Arsenic-Contaminated Organic Waste. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6718-6724.	1.4	68
71	High-throughput screening-compatible assays of As(III) S-adenosylmethionine methyltransferase activity. <i>Analytical Biochemistry</i> , 2015, 480, 67-73.	1.1	11
72	<i>arsH</i> is an organoarsenical oxidase that confers resistance to trivalent forms of the herbicide monosodium methylarsenate and the poultry growth promoter roxarsone. <i>Molecular Microbiology</i> , 2015, 96, 1042-1052.	1.2	143

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73	Arsenic Methylation and Volatilization by Arsenite <i>S</i> -Adenosylmethionine Methyltransferase in <i>Pseudomonas alcaligenes</i> NBRC14159. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2852-2860.	1.4	84
74	Cis-eQTL analysis and functional validation of candidate susceptibility genes for high-grade serous ovarian cancer. <i>Nature Communications</i> , 2015, 6, 8234.	5.8	63
75	Common variants at the <i>CHEK2</i> gene locus and risk of epithelial ovarian cancer. <i>Carcinogenesis</i> , 2015, 36, 1341-1353.	1.3	24
76	Draft Genome Sequence of <i>Brevibacterium linens</i> AE038-8, an Extremely Arsenic-Resistant Bacterium. <i>Genome Announcements</i> , 2015, 3, .	0.8	7
77	As(III) <i>S</i> -Adenosylmethionine Methyltransferases and Other Arsenic Binding Proteins. <i>Geomicrobiology Journal</i> , 2015, 32, 570-576.	1.0	41
78	Identification of Small Molecule Inhibitors of Human As(III) <i>S</i> -Adenosylmethionine Methyltransferase (AS3MT). <i>Chemical Research in Toxicology</i> , 2015, 28, 2419-2425.	1.7	14
79	Common Genetic Variation in Circadian Rhythm Genes and Risk of Epithelial Ovarian Cancer (EOC). <i>Journal of Genetics and Genome Research</i> , 2015, 2, .	0.3	25
80	A <i>C</i> â€¦As lyase for degradation of environmental organoarsenical herbicides and animal husbandry growth promoters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7701-7706.	3.3	116
81	Mutations in the <i>ArsA</i> ATPase that restore interaction with the <i>ArsD</i> metallochaperone. <i>BioMetals</i> , 2014, 27, 1263-1275.	1.8	5
82	Biosensors for Inorganic and Organic Arsenicals. <i>Biosensors</i> , 2014, 4, 494-512.	2.3	52
83	Crystallization and preliminary X-ray crystallographic studies of the <i>ArsI</i> <i>C</i> â€¦As lyase from <i>Thermomonospora curvata</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 761-764.	0.4	11
84	Crystallization and preliminary X-ray crystallographic studies of <i>CrArsM</i> , an arsenic(III) <i>S</i> -adenosylmethionine methyltransferase from <i>Chlamydomonas reinhardtii</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1385-1388.	0.4	4
85	Aquaglyceroporins: Generalized metalloid channels. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1583-1591.	1.1	166
86	Biosensor for Organoarsenical Herbicides and Growth Promoters. <i>Environmental Science &amp; Technology</i> , 2014, 48, 1141-1147.	4.6	51
87	Earth Abides Arsenic Biotransformations. <i>Annual Review of Earth and Planetary Sciences</i> , 2014, 42, 443-467.	4.6	423
88	Pathway of Human AS3MT Arsenic Methylation. <i>Chemical Research in Toxicology</i> , 2014, 27, 1979-1989.	1.7	108
89	Structure of <i>Escherichia coli</i> <i>Grx2</i> in complex with glutathione: a dual-function hybrid of glutaredoxin and glutathione <i>S</i> -transferase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1907-1913.	2.5	2
90	Engineering the Soil Bacterium <i>Pseudomonas putida</i> for Arsenic Methylation. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4493-4495.	1.4	85

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91	Arsenic Methyltransferases. , 2013, , 138-143.		20
92	Efflux Permease CgAcr3-1 of <i>Corynebacterium glutamicum</i> Is an Arsenite-specific Antiporter. <i>Journal of Biological Chemistry</i> , 2012, 287, 723-735.	1.6	35
93	A Novel Biosensor Selective for Organoarsenicals. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7145-7147.	1.4	22
94	Identification of Catalytic Residues in the As(III) <i>S</i> -Adenosylmethionine Methyltransferase. <i>Biochemistry</i> , 2012, 51, 944-951.	1.2	84
95	Arsenic biomethylation by photosynthetic organisms. <i>Trends in Plant Science</i> , 2012, 17, 155-162.	4.3	206
96	Pathways of Arsenic Uptake and Efflux. <i>Current Topics in Membranes</i> , 2012, 69, 325-358.	0.5	196
97	Structure of an As(III) <i>S</i> -Adenosylmethionine Methyltransferase: Insights into the Mechanism of Arsenic Biotransformation. <i>Biochemistry</i> , 2012, 51, 5476-5485.	1.2	109
98	Demethylation of methylarsonic acid by a microbial community. <i>Environmental Microbiology</i> , 2011, 13, 1205-1215.	1.8	112
99	Genetic mapping of the interface between the ArsD metallochaperone and the ArsA ATPase. <i>Molecular Microbiology</i> , 2011, 79, 872-881.	1.2	27
100	Arsenic biotransformation and volatilization in transgenic rice. <i>New Phytologist</i> , 2011, 191, 49-56.	3.5	116
101	The ArsD As(III) metallochaperone. <i>BioMetals</i> , 2011, 24, 391-399.	1.8	32
102	Resonance assignments and secondary structure prediction of the As(III) metallochaperone ArsD in solution. <i>Biomolecular NMR Assignments</i> , 2011, 5, 109-112.	0.4	4
103	Life and death with arsenic. <i>BioEssays</i> , 2011, 33, 350-357.	1.2	70
104	Biotransformation and Volatilization of Arsenic by Three Photosynthetic Cyanobacteria. <i>Plant Physiology</i> , 2011, 156, 1631-1638.	2.3	171
105	Pentavalent methylated arsenicals are substrates of human AQP9. <i>BioMetals</i> , 2010, 23, 119-127.	1.8	34
106	Biochemical characterization of a novel ArsA ATPase complex from <i>Alkaliphilus metalliredigens</i> QYMF. <i>FEBS Letters</i> , 2010, 584, 3089-3094.	1.3	15
107	Crystallization and preliminary X-ray crystallographic analysis of the ArsM arsenic(III) <i>S</i> -adenosylmethionine methyltransferase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1050-1052.	0.7	16
108	Jen1p: A High Affinity Selenite Transporter in Yeast. <i>Molecular Biology of the Cell</i> , 2010, 21, 3934-3941.	0.9	69

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109	Arsenic Binding and Transfer by the ArsD As(III) Metallochaperone. <i>Biochemistry</i> , 2010, 49, 3658-3666.	1.2	51
110	Adventitious Arsenate Reductase Activity of the Catalytic Domain of the Human Cdc25B and Cdc25C Phosphatases. <i>Biochemistry</i> , 2010, 49, 802-809.	1.2	36
111	The 1.4 Å... Crystal Structure of the ArsD Arsenic Metallochaperone Provides Insights into Its Interaction with the ArsA ATPase. <i>Biochemistry</i> , 2010, 49, 5206-5212.	1.2	20
112	Trivalent arsenicals and glucose use different translocation pathways in mammalian GLUT1. <i>Metallomics</i> , 2010, 2, 211-219.	1.0	40
113	Arsenic Transport in Prokaryotes and Eukaryotic Microbes. <i>Advances in Experimental Medicine and Biology</i> , 2010, 679, 47-55.	0.8	44
114	Biotransformation of arsenic by a Yellowstone thermoacidophilic eukaryotic alga. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5213-5217.	3.3	267
115	Reduced arsenic clearance and increased toxicity in aquaglyceroporin-9-null mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15956-15960.	3.3	86
116	Properties of Arsenite Efflux Permeases (Acr3) from <i>Alkaliphilus metalliredigens</i> and <i>Corynebacterium glutamicum</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 19887-19895.	1.6	95
117	Perspectives for genetic engineering for the phytoremediation of arsenic-contaminated environments: from imagination to reality?. <i>Current Opinion in Biotechnology</i> , 2009, 20, 220-224.	3.3	96
118	Arsenic transport by zebrafish aquaglyceroporins. <i>BMC Molecular Biology</i> , 2009, 10, 104.	3.0	84
119	Transport pathways for arsenic and selenium: A minireview. <i>Environment International</i> , 2009, 35, 512-515.	4.8	219
120	Characterization of the metalloactivation domain of an arsenite/antimonite resistance pump. <i>Molecular Microbiology</i> , 2008, 67, 392-402.	1.2	15
121	Aquaglyceroporins: ancient channels for metalloids. <i>Journal of Biology</i> , 2008, 7, 33.	2.7	79
122	An Arsenate-activated Glutaredoxin from the Arsenic Hyperaccumulator Fern <i>Pteris vittata</i> L. Regulates Intracellular Arsenite. <i>Journal of Biological Chemistry</i> , 2008, 283, 6095-6101.	1.6	80
123	Evolution of Metal(loid) Binding Sites in Transcriptional Regulators. <i>Journal of Biological Chemistry</i> , 2008, 283, 25706-25714.	1.6	66
124	Convergent Evolution of a New Arsenic Binding Site in the ArsR/SmtB Family of Metalloregulators. <i>Journal of Biological Chemistry</i> , 2007, 282, 34346-34355.	1.6	77
125	ArsD Residues Cys12, Cys13, and Cys18 Form an As(III)-binding Site Required for Arsenic Metallochaperone Activity. <i>Journal of Biological Chemistry</i> , 2007, 282, 16783-16791.	1.6	40
126	Crystal structure of the flavoprotein ArsH from <i>Sinorhizobium meliloti</i> . <i>FEBS Letters</i> , 2007, 581, 3996-4000.	1.3	55



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127	Arsenic Metabolism in Prokaryotic and Eukaryotic Microbes. , 2007, , 371-406.		119
128	A CDC25 homologue from rice functions as an arsenate reductase. <i>New Phytologist</i> , 2007, 174, 311-321.	3.5	167
129	ArsD: an As(III) metallochaperone for the ArsAB As(III)-translocating ATPase. <i>Journal of Bioenergetics and Biomembranes</i> , 2007, 39, 453-458.	1.0	69
130	Mammalian glucose permease GLUT1 facilitates transport of arsenic trioxide and methylarsonous acid. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 424-430.	1.0	117
131	Cys-113 and Cys-422 Form a High Affinity Metalloid Binding Site in the ArsA ATPase. <i>Journal of Biological Chemistry</i> , 2006, 281, 9925-9934.	1.6	31
132	Methylarsonous Acid Transport by Aquaglyceroporins. <i>Environmental Health Perspectives</i> , 2006, 114, 527-531.	2.8	66
133	Arsenic detoxification and evolution of trimethylarsine gas by a microbial arseniteS-adenosylmethionine methyltransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2075-2080.	3.3	587
134	An arsenic metallochaperone for an arsenic detoxification pump. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15617-15622.	3.3	175
135	Modulation in aquaglyceroporinAQP1gene transcript levels in drug-resistantLeishmania. <i>Molecular Microbiology</i> , 2005, 57, 1690-1699.	1.2	137
136	Novel Pathway for Arsenic Detoxification in the Legume Symbiont Sinorhizobium meliloti. <i>Journal of Bacteriology</i> , 2005, 187, 6991-6997.	1.0	147
137	Crystal Structure of the Staphylococcus aureus pl258 CadC Cd(II)/Pb(II)/Zn(II)-Responsive Repressor. <i>Journal of Bacteriology</i> , 2005, 187, 4214-4221.	1.0	91
138	Arsenic Trioxide Uptake by Hexose Permeases in Saccharomyces cerevisiae. <i>Journal of Biological Chemistry</i> , 2004, 279, 17312-17318.	1.6	122
139	As(III) and Sb(III) Uptake by GlpF and Efflux by ArsB in Escherichia coli. <i>Journal of Biological Chemistry</i> , 2004, 279, 18334-18341.	1.6	248
140	Leishmania major LmACR2 Is a Pentavalent Antimony Reductase That Confers Sensitivity to the Drug Pentostam. <i>Journal of Biological Chemistry</i> , 2004, 279, 37445-37451.	1.6	134
141	Experimental and Theoretical Characterization of Arsenite in Water: Insights into the Coordination Environment of As <sup>3+</sup> O. <i>Inorganic Chemistry</i> , 2004, 43, 2954-2959.	1.9	146
142	Drug Uptake and Modulation of Drug Resistance in Leishmania by an Aquaglyceroporin. <i>Journal of Biological Chemistry</i> , 2004, 279, 31010-31017.	1.6	232
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