

# Masafumi Yoshinaga

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,070  
citations

687363

13  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

958  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic in medicine: past, present and future. <i>BioMetals</i> , 2023, 36, 283-301.	4.1	39
2	The enigma of environmental organoarsenicals: Insights and implications. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3835-3862.	12.8	20
3	An <i>arsRC</i> fusion protein enhances arsenate sensing and detoxification. <i>Environmental Microbiology</i> , 2022, 24, 1977-1987.	3.8	3
4	The <i>ArsI</i> C-As lyase: Elucidating the catalytic mechanism of degradation of organoarsenicals. <i>Journal of Inorganic Biochemistry</i> , 2022, 232, 111836.	3.5	5
5	Selenite Inhibits Notch Signaling in Cells and Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2518.	4.1	5
6	Antimicrobial Activity of Metals and Metalloids. <i>Annual Review of Microbiology</i> , 2021, 75, 175-197.	7.3	32
7	Identification of the Biosynthetic Gene Cluster for the Organoarsenical Antibiotic Arsinothricin. <i>Microbiology Spectrum</i> , 2021, 9, e0050221.	3.0	14
8	Chemical synthesis of the organoarsenical antibiotic arsinothricin. <i>RSC Advances</i> , 2021, 11, 35600-35606.	3.6	0
9	Semisynthesis of the Organoarsenical Antibiotic Arsinothricin. <i>Journal of Natural Products</i> , 2020, 83, 2809-2813.	3.0	10
10	Removal of As(III) from Water Using the Adsorptive and Photocatalytic Properties of Humic Acid-Coated Magnetite Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1604.	4.1	8
11	Organoarsenicals inhibit bacterial peptidoglycan biosynthesis by targeting the essential enzyme MurA. <i>Chemosphere</i> , 2020, 254, 126911.	8.2	7
12	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.	10.0	17
13	Arsinothricin, an arsenic-containing non-proteinogenic amino acid analog of glutamate, is a broad-spectrum antibiotic. <i>Communications Biology</i> , 2019, 2, 131.	4.4	32
14	The antibiotic action of methylarsenite is an emergent property of microbial communities. <i>Molecular Microbiology</i> , 2019, 111, 487-494.	2.5	59
15	Hepatic ZIP8 deficiency is associated with disrupted selenium homeostasis, liver pathology, and tumor formation. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G569-G579.	3.4	20
16	Directed Evolution of <i>Saccharomyces cerevisiae</i> for Increased Selenium Accumulation. <i>Microorganisms</i> , 2018, 6, 81.	3.6	9
17	Biochemical Characterization of <i>ArsI</i> : A Novel C-As Lyase for Degradation of Environmental Organoarsenicals. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11115-11125.	10.0	19
18	Synergistic interaction of glyceraldehyde-3-phosphate dehydrogenase and <i>ArsI</i> , a novel organoarsenical efflux permease, confers arsenate resistance. <i>Molecular Microbiology</i> , 2016, 100, 945-953.	2.5	90

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19	Structure of the Arsl Câ€“As Lyase: Insights into the Mechanism of Degradation of Organoarsenical Herbicides and Growth Promoters. <i>Journal of Molecular Biology</i> , 2016, 428, 2462-2473.	4.2	17
20	Draft Genome Sequence of Burkholderia sp. MR1, a Methylarsenate-Reducing Bacterial Isolate from Florida Golf Course Soil. <i>Genome Announcements</i> , 2015, 3, .	0.8	2
21	A Câ€“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.	7.1	116
22	Crystallization and preliminary X-ray crystallographic studies of the Arsl Câ€“As lyase from <i>Thermomonospora curvata</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 761-764.	0.8	11
23	Earth Abides Arsenic Biotransformations. <i>Annual Review of Earth and Planetary Sciences</i> , 2014, 42, 443-467.	11.0	423
24	Demethylation of methylarsonic acid by a microbial community. <i>Environmental Microbiology</i> , 2011, 13, 1205-1215.	3.8	112