

# Wenyu Gu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1614618/publications.pdf>

Version: 2024-02-01

23  
papers

628  
citations

623574

14  
h-index

677027

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

667  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metals and Methanotrophy. Applied and Environmental Microbiology, 2018, 84, .	1.4	112
2	Methylmercury uptake and degradation by methanotrophs. Science Advances, 2017, 3, e1700041.	4.7	78
3	Copper and cerium-regulated gene expression in Methylosinus trichosporium OB3b. Applied Microbiology and Biotechnology, 2017, 101, 8499-8516.	1.7	65
4	A TonB-Dependent Transporter Is Responsible for Methanobactin Uptake by Methylosinus trichosporium OB3b. Applied and Environmental Microbiology, 2016, 82, 1917-1923.	1.4	43
5	Uptake and effect of rare earth elements on gene expression in Methylosinus trichosporium OB3b. FEMS Microbiology Letters, 2016, 363, fnw129.	0.7	40
6	In situ electrochemical H <sub>2</sub> production for efficient and stable power-to-gas electromethanogenesis. Green Chemistry, 2020, 22, 6194-6203.	4.6	38
7	Methanobactin from Methylosinus trichosporium OB3b inhibits N <sub>2</sub> O reduction in denitrifiers. ISME Journal, 2018, 12, 2086-2089.	4.4	35
8	Bacterial anti-adhesive properties of polysulfone membranes modified with polyelectrolyte multilayers. Journal of Membrane Science, 2013, 446, 201-211.	4.1	34
9	Enhanced Electrosynthetic Hydrogen Evolution by Hydrogenases Embedded in a Redox-Active Hydrogel. Chemistry - A European Journal, 2020, 26, 7323-7329.	1.7	25
10	Marker Exchange Mutagenesis of <i>mxhF</i> , Encoding the Large Subunit of the Mxa Methanol Dehydrogenase, in Methylosinus trichosporium OB3b. Applied and Environmental Microbiology, 2016, 82, 1549-1555.	1.4	24
11	An alternative resource allocation strategy in the chemolithoautotrophic archaeon <i>Methanococcus maripaludis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	24
12	An Aminotransferase Is Responsible for the Deamination of the N-Terminal Leucine and Required for Formation of Oxazolone Ring A in Methanobactin of Methylosinus trichosporium OB3b. Applied and Environmental Microbiology, 2017, 83, .	1.4	23
13	Evidence for methanobactin and novel chalcophore production in methanotrophs: impact on methanotrophic-mediated methylmercury degradation. ISME Journal, 2022, 16, 211-220.	4.4	18
14	Carbon source regulation of gene expression in Methylosinus trichosporium OB3b. Applied Microbiology and Biotechnology, 2017, 101, 3871-3879.	1.7	16
15	Natural and Engineered Electron Transfer of Nitrogenase. Chemistry, 2020, 2, 322-346.	0.9	13
16	Enhancement of Nitrous Oxide Emissions in Soil Microbial Consortia via Copper Competition between Proteobacterial Methanotrophs and Denitrifiers. Applied and Environmental Microbiology, 2021, 87, e0230120.	1.4	12
17	Characterization of the role of copCD in copper uptake and the "copper-switch"™ in Methylosinus trichosporium OB3b. FEMS Microbiology Letters, 2017, 364, .	0.7	11
18	Two TonB-Dependent Transporters in Methylosinus trichosporium OB3b Are Responsible for Uptake of Different Forms of Methanobactin and Are Involved in the Canonical "Copper Switch". Applied and Environmental Microbiology, 2022, 88, AEM0179321.	1.4	7

#	ARTICLE	IF	CITATIONS
19	MbnC Is Not Required for the Formation of the N-Terminal Oxazolone in the Methanobactin from <i>Methylosinus trichosporium</i> OB3b. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0184121.	1.4	5
20	Low-Cost Clamp-On Photometers (ClampOD) and Tube Photometers (TubeOD) for Online Cell Density Determination. <i>Frontiers in Microbiology</i> , 2021, 12, 790576.	1.5	2
21	Influence of pH and Electrolyte on the Deposition of Cerium Oxide Nanoparticles on Supported Lipid Bilayers. <i>Environmental Science: Nano</i> , 0, , .	2.2	1
22	Growth rate-dependent coordination of catabolism and anabolism in the archaeon <i>Methanococcus maripaludis</i> under phosphate limitation. <i>ISME Journal</i> , 2022, 16, 2313-2319.	4.4	1
23	Notice of Retraction: Adsorption of Cr(IV) from aqueous solution using peanut shell. , 2010, , .		0