

# Yuchen Liu

## List of Publications by Year in descending order

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30  
papers

1,942  
citations

471509

17  
h-index

610901

24  
g-index

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all docs

30  
docs citations

30  
times ranked

2943  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of Fe-S Cluster Proteins in <i>Methanococcus maripaludis</i> , a Model Archaeal Organism. <i>Methods in Molecular Biology</i> , 2021, 2353, 37-50.	0.9	0
2	Tuning Gene Expression by Phosphate in the Methanogenic Archaeon <i>Methanococcus maripaludis</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 3028-3039.	3.8	12
3	The Nbp35/ApbC homolog acts as a nonessential [4Fe-4S] transfer protein in methanogenic archaea. <i>FEBS Letters</i> , 2020, 594, 924-932.	2.8	4
4	Diversity and Taxonomy of Methanogens. , 2019, , 19-77.		2
5	Diversity and Taxonomy of Methanogens. , 2018, , 1-59.		2
6	Diversity and Taxonomy of Methanogens. , 2018, , 1-59.		5
7	Direct Interspecies Electron Transfer Between Archaea and Bacteria. , 2017, , 27-40.		21
8	Structural basis for tRNA-dependent cysteine biosynthesis. <i>Nature Communications</i> , 2017, 8, 1521.	12.8	6
9	Biosynthesis of Sulfur-Containing tRNA Modifications: A Comparison of Bacterial, Archaeal, and Eukaryotic Pathways. <i>Biomolecules</i> , 2017, 7, 27.	4.0	51
10	<i>Sanguibacter gelidistatuariae</i> sp. nov., a novel psychrotolerant anaerobe from an ice sculpture in Antarctica, and emendation of descriptions of the family Sanguibacteraceae, the genus <i>Sanguibacter</i> and species <i>S. antarcticus</i> , <i>S. inulinus</i> , <i>S. kedieii</i> , <i>S. marinus</i> , <i>S. soli</i> and <i>S. suarezii</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1442-1450.	1.7	21
11	<i>Williamwhitmania taraxaci</i> gen. nov., sp. nov., a proteolytic anaerobe with a novel type of cytology from Lake Untersee in Antarctica, description of Williamwhitmaniaceae fam. nov., and emendation of the order Bacteroidales Krieg 2012. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 4132-4145.	1.7	32
12	A [3Fe-4S] cluster is required for tRNA thiolation in archaea and eukaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12703-12708.	7.1	63
13	<i>Raineyella antarctica</i> gen. nov., sp. nov., a psychrotolerant, d-amino-acid-utilizing anaerobe isolated from two geographic locations of the Southern Hemisphere. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 5529-5536.	1.7	26
14	Selenoprotein biosynthesis defect causes progressive encephalopathy with elevated lactate. <i>Neurology</i> , 2015, 85, 306-315.	1.1	52
15	Engineering the elongation factor Tu for efficient selenoprotein synthesis. <i>Nucleic Acids Research</i> , 2014, 42, 9976-9983.	14.5	49
16	The putative tRNA 2-thiouridine synthetase Ncs6 is an essential sulfur carrier in <i>Methanococcus maripaludis</i> . <i>FEBS Letters</i> , 2014, 588, 873-877.	2.8	16
17	Identification and codon reading properties of 5-cyanomethyl uridine, a new modified nucleoside found in the anticodon wobble position of mutant haloarchaeal isoleucine tRNAs. <i>Rna</i> , 2014, 20, 177-188.	3.5	35
18	Expanded Cellular Amino Acid Pools Containing Phosphoserine, Phosphothreonine, and Phosphotyrosine. <i>ACS Chemical Biology</i> , 2014, 9, 1104-1112.	3.4	31

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19	Ancient translation factor is essential for tRNA-dependent cysteine biosynthesis in methanogenic archaea. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10520-10525.	7.1	17
20	Biosynthesis of 4-Thiouridine in tRNA in the Methanogenic Archaeon <i>Methanococcus maripaludis</i> *. Journal of Biological Chemistry, 2012, 287, 36683-36692.	3.4	48
21	Catalytic Mechanism of Sep-tRNA:Cys-tRNA Synthase. Journal of Biological Chemistry, 2012, 287, 5426-5433.	3.4	16
22	Methanogens: a window into ancient sulfur metabolism. Trends in Microbiology, 2012, 20, 251-258.	7.7	93
23	Sulfur metabolism in archaea reveals novel processes. Environmental Microbiology, 2012, 14, 2632-2644.	3.8	92
24	Methanococci Use the Diaminopimelate Aminotransferase (DapL) Pathway for Lysine Biosynthesis. Journal of Bacteriology, 2010, 192, 3304-3310.	2.2	28
25	Cysteine Is Not the Sulfur Source for Iron-Sulfur Cluster and Methionine Biosynthesis in the Methanogenic Archaeon <i>Methanococcus maripaludis</i> . Journal of Biological Chemistry, 2010, 285, 31923-31929.	3.4	80
26	Characterization of Energy-Conserving Hydrogenase B in <i>Methanococcus maripaludis</i> . Journal of Bacteriology, 2010, 192, 4022-4030.	2.2	42
27	Taxonomy of Methanogens. , 2010, , 547-558.		18
28	The Sac10b Homolog in <i>Methanococcus maripaludis</i> Binds DNA at Specific Sites. Journal of Bacteriology, 2009, 191, 2315-2329.	2.2	24
29	<i>Metabolic, Phylogenetic, and Ecological Diversity of the Methanogenic Archaea</i> . Annals of the New York Academy of Sciences, 2008, 1125, 171-189.	3.8	998
30	Global Responses of <i>Methanococcus maripaludis</i> to Specific Nutrient Limitations and Growth Rate. Journal of Bacteriology, 2008, 190, 2198-2205.	2.2	58