James A Zahn

List of Publications by Year
in descending order

36	1,918	331670	414414
papers	citations	21 h-index	32 g-index

36	36	36	1614
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Membrane-associated methane monooxygenase from Methylococcus capsulatus (Bath). Journal of Bacteriology, 1996, 178, 1018-1029.	2.2	267
2	Characterization of Volatile Organic Emissions and Wastes from a Swine Production Facility. Journal of Environmental Quality, 1997, 26, 1687-1696.	2.0	232
3	The Membrane-Associated Methane Monooxygenase (pMMO) and pMMO-NADH:Quinone Oxidoreductase Complex from Methylococcus capsulatus Bath. Journal of Bacteriology, 2003, 185, 5755-5764.	2.2	196
4	Bias of Tedlar Bags in the Measurement of Agricultural Odorants. Journal of Environmental Quality, 2006, 35, 1668-1677.	2.0	114
5	Isolation, Characterization, and Ecology of Sulfur-Respiring Crenarchaea Inhabiting Acid-Sulfate-Chloride-Containing Geothermal Springs in Yellowstone National Park. Applied and Environmental Microbiology, 2007, 73, 6669-6677.	3.1	102
6	Copper-Binding Compounds from Methylosinus trichosporium OB3b. Journal of Bacteriology, 1998, 180, 3606-3613.	2.2	93
7	Scaling up of renewable chemicals. Current Opinion in Biotechnology, 2016, 38, 112-122.	6.6	84
8	Oxidation of hydroxylamine by cytochrome P-460 of the obligate methylotroph Methylococcus capsulatus Bath. Journal of Bacteriology, 1994, 176, 5879-5887.	2.2	69
9	Recent advances in the biochemistry of spinosyns. Applied Microbiology and Biotechnology, 2009, 82, 13-23.	3.6	64
10	Effect of the presence of the antimicrobial tylosin in swine waste on anaerobic treatment. Water Research, 2008, 42, 2377-2384.	11.3	60
11	Membrane-Associated Quinoprotein Formaldehyde Dehydrogenase from Methylococcus capsulatus Bath. Journal of Bacteriology, 2001, 183, 6832-6840.	2.2	59
12	Rapid Method To Estimate the Presence of Secondary Metabolites in Microbial Extracts. Applied and Environmental Microbiology, 2001, 67, 371-376.	3.1	58
13	Evidence for an iron center in the ammonia monooxygenase fromNitrosomonas europaea. FEBS Letters, 1996, 397, 35-38.	2.8	55
14	Role of Rhodobacter sp. Strain PS9, a Purple Non-Sulfur Photosynthetic Bacterium Isolated from an Anaerobic Swine Waste Lagoon, in Odor Remediation. Applied and Environmental Microbiology, 2003, 69, 1710-1720.	3.1	51
15	Cytochrome c peroxidase from Methylococcus capsulatus Bath. Archives of Microbiology, 1997, 168, 362-372.	2.2	48
16	Abatement of Ammonia and Hydrogen Sulfide Emissions from a Swine Lagoon Using a Polymer Biocover. Journal of the Air and Waste Management Association, 2001, 51, 562-573.	1.9	48
17	Spectral and thermodynamic properties of methanobactin from Î³-proteobacterial methane oxidizing bacteria: A case for copper competition on a molecular level. Journal of Inorganic Biochemistry, 2010, 104, 1240-1247.	3.5	46
18	Cytochrome c' of Methylococcus Capsulatus Bath. FEBS Journal, 1996, 240, 684-691.	0.2	38

#	Article	IF	Citations
19	Cytochrome P460 Genes from the Methanotroph Methylococcus capsulatus Bath. Journal of Bacteriology, 1998, 180, 6440-6445.	2.2	38
20	Use of Direct-Infusion Electrospray Mass Spectrometry To Guide Empirical Development of Improved Conditions for Expression of Secondary Metabolites from Actinomycetes. Applied and Environmental Microbiology, 2001, 67, 377-386.	3.1	37
21	Identification of intermediates of in vivo trichloroethylene oxidation by the membrane-associated methane monooxygenase. FEMS Microbiology Letters, 2000, 186, 109-113.	1.8	30
22	The Impact of Supplemental Dietary Methionine Sources on Volatile Compound Concentrations in Broiler Excreta. Poultry Science, 2004, 83, 901-910.	3.4	19
23	Characterization of a novel lytic bacteriophage from an industrial Escherichia coli fermentation process and elimination of virulence using a heterologous CRISPRâ€“Cas9 system. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 153-163.	3.0	19
24	Primary structure of cytochrome câ€² of Methylococcus capsulatus Bath: evidence of a phylogenetic link between P460 and câ€²-type cytochromes. Archives of Microbiology, 2000, 173, 29-34.	2.2	17
25	High-Molecular-Mass Multi- c -Heme Cytochromes from Methylococcus capsulatus Bath. Journal of Bacteriology, 1999, 181, 991-997.	2.2	14
26	Supply chain and logistic optimization of industrial Spent Microbial Biomass distribution as a soil amendment for field crop production. Resources, Conservation and Recycling, 2019, 146, 218-231.	10.8	12
27	Conservation agriculture as a climate change mitigation strategy in Zimbabwe. International Journal of Agricultural Sustainability, 2020, 18, 250-265.	3.5	11
28	Degradation and half-life of DNA present in biomass from a genetically-modified organism during land application. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 213-220.	3.0	10
29	SpnH from Saccharopolyspora spinosa encodes a rhamnosyl 4â€²-O-methyltransferase for biosynthesis of the insecticidal macrolide, spinosyn A. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 1669-1676.	3.0	8
30	Cytochrome aa 3 from Methylococcus capsulatus (Bath). Archives of Microbiology, 1994, 161, 258-265.	2.2	6
31	Utilization of Spent Microbial Biomass as an Alternative Crop Nitrogen Source. Agronomy Journal, 2017, 109, 1870-1879.	1.8	6
32	Organic farming practices utilizing spent microbial biomass from an industrial fermentation facility promote transition to copiotrophic soil communities. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 1005-1018.	3.0	3
33	Nutrient Source and Tillage Effects on Maize: II. Yield, Soil Carbon, and Carbon Dioxide Emissions. , 2019, 2, 1-8.		2
34	Surveillance and Elimination of Bacteriophage Contamination in an Industrial Fermentation Process. , 2020, , .		2
35	MONITORING ANTIBIOTIC RESISTANCE IN BIOLOGICAL WASTE TREATMENT SYSTEMS. Proceedings of the Water Environment Federation, 2001, 2001, 740-754.	0.0	0
36	Continuous Amonia and Hydrogen Sulfide Emission Measurements Over A Period of Four Seasons From A Central Missouri Swine Lagoon. , 2002, , .		0