

James A Zahn

List of Publications by Year in descending order

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36
papers

1,918
citations

331670

21
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

1614
citing authors

#	ARTICLE	IF	CITATIONS
1	Surveillance and Elimination of Bacteriophage Contamination in an Industrial Fermentation Process. , 2020, , .		2
2	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
3	Conservation agriculture as a climate change mitigation strategy in Zimbabwe. International Journal of Agricultural Sustainability, 2020, 18, 250-265.	3.5	11
4	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
5	Nutrient Source and Tillage Effects on Maize: II. Yield, Soil Carbon, and Carbon Dioxide Emissions. , 2019, 2, 1-8.		2
6	Characterization of a novel lytic bacteriophage from an industrial <i>Escherichia coli</i> fermentation process and elimination of virulence using a heterologous CRISPR-Cas9 system. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 153-163.	3.0	19
7	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
8	Utilization of Spent Microbial Biomass as an Alternative Crop Nitrogen Source. Agronomy Journal, 2017, 109, 1870-1879.	1.8	6
9	Scaling up of renewable chemicals. Current Opinion in Biotechnology, 2016, 38, 112-122.	6.6	84
10	Spectral and thermodynamic properties of methanobactin from $\hat{\beta}$ -proteobacterial methane oxidizing bacteria: A case for copper competition on a molecular level. Journal of Inorganic Biochemistry, 2010, 104, 1240-1247.	3.5	46
11	Recent advances in the biochemistry of spinosyns. Applied Microbiology and Biotechnology, 2009, 82, 13-23.	3.6	64
12	SpnH from <i>Saccharopolyspora spinosa</i> encodes a rhamnosyl 4-O-methyltransferase for biosynthesis of the insecticidal macrolide, spinosyn A. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 1669-1676.	3.0	8
13	Effect of the presence of the antimicrobial tylosin in swine waste on anaerobic treatment. Water Research, 2008, 42, 2377-2384.	11.3	60
14	Isolation, Characterization, and Ecology of Sulfur-Respiring <i>Crenarchaea</i> Inhabiting Acid-Sulfate-Chloride-Containing Geothermal Springs in Yellowstone National Park. Applied and Environmental Microbiology, 2007, 73, 6669-6677.	3.1	102
15	Bias of Tedlar Bags in the Measurement of Agricultural Odorants. Journal of Environmental Quality, 2006, 35, 1668-1677.	2.0	114
16	The Impact of Supplemental Dietary Methionine Sources on Volatile Compound Concentrations in Broiler Excreta. Poultry Science, 2004, 83, 901-910.	3.4	19
17	The Membrane-Associated Methane Monooxygenase (pMMO) and pMMO-NADH:Quinone Oxidoreductase Complex from <i>Methylococcus capsulatus</i> Bath. Journal of Bacteriology, 2003, 185, 5755-5764.	2.2	196
18	Role of <i>Rhodobacter</i> 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

#	ARTICLE	IF	CITATIONS
19	Continuous Amonia and Hydrogen Sulfide Emission Measurements Over A Period of Four Seasons From A Central Missouri Swine Lagoon. , 2002, , .		0
20	Rapid Method To Estimate the Presence of Secondary Metabolites in Microbial Extracts. Applied and Environmental Microbiology, 2001, 67, 371-376.	3.1	58
21	MONITORING ANTIBIOTIC RESISTANCE IN BIOLOGICAL WASTE TREATMENT SYSTEMS. Proceedings of the Water Environment Federation, 2001, 2001, 740-754.	0.0	0
22	Membrane-Associated Quinoprotein Formaldehyde Dehydrogenase from Methylococcus capsulatus Bath. Journal of Bacteriology, 2001, 183, 6832-6840.	2.2	59
23	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
24	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
25	Identification of intermediates of in vivo trichloroethylene oxidation by the membrane-associated methane monooxygenase. FEMS Microbiology Letters, 2000, 186, 109-113.	1.8	30
26	Primary structure of cytochrome c ₂ of Methylococcus capsulatus Bath: evidence of a phylogenetic link between P460 and c ₂ -type cytochromes. Archives of Microbiology, 2000, 173, 29-34.	2.2	17
27	High-Molecular-Mass Multi-c-Heme Cytochromes from Methylococcus capsulatus Bath. Journal of Bacteriology, 1999, 181, 991-997.	2.2	14
28	Copper-Binding Compounds from Methylosinus trichosporium OB3b. Journal of Bacteriology, 1998, 180, 3606-3613.	2.2	93
29	Cytochrome P460 Genes from the Methanotroph Methylococcus capsulatus Bath. Journal of Bacteriology, 1998, 180, 6440-6445.	2.2	38
30	Characterization of Volatile Organic Emissions and Wastes from a Swine Production Facility. Journal of Environmental Quality, 1997, 26, 1687-1696.	2.0	232
31	Cytochrome c peroxidase from Methylococcus capsulatus Bath. Archives of Microbiology, 1997, 168, 362-372.	2.2	48
32	Evidence for an iron center in the ammonia monooxygenase from Nitrosomonas europaea. FEBS Letters, 1996, 397, 35-38.	2.8	55
33	Membrane-associated methane monooxygenase from Methylococcus capsulatus (Bath). Journal of Bacteriology, 1996, 178, 1018-1029.	2.2	267
34	Cytochrome c' of Methylococcus Capsulatus Bath. FEBS Journal, 1996, 240, 684-691.	0.2	38
35	Cytochrome aa ₃ from Methylococcus capsulatus (Bath). Archives of Microbiology, 1994, 161, 258-265.	2.2	6
36	Oxidation of hydroxylamine by cytochrome P-460 of the obligate methylotroph Methylococcus capsulatus Bath. Journal of Bacteriology, 1994, 176, 5879-5887.	2.2	69