

Calvin A Henard

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,113
citations

361413

20
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

1456
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioconversion of methane to lactate by an obligate methanotrophic bacterium. <i>Scientific Reports</i> , 2016, 6, 21585.	3.3	124
2	Methane utilization in <i>Methylobacterium alcaliphilum</i> 20ZR: a systems approach. <i>Scientific Reports</i> , 2018, 8, 2512.	3.3	90
3	Nitric Oxide and <i>Salmonella</i> Pathogenesis. <i>Frontiers in Microbiology</i> , 2011, 2, 84.	3.5	88
4	Direct Writing of Tunable Living Inks for Bioprocess Intensification. <i>Nano Letters</i> , 2019, 19, 5829-5835.	9.1	74
5	Control of Redox Balance by the Stringent Response Regulatory Protein Promotes Antioxidant Defenses of <i>Salmonella</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 36785-36793.	3.4	67
6	Phosphoketolase overexpression increases biomass and lipid yield from methane in an obligate methanotrophic biocatalyst. <i>Metabolic Engineering</i> , 2017, 41, 152-158.	7.0	66
7	The 4-cysteine zinc-finger motif of the <i>RNA</i> polymerase regulator <i>DksA</i> serves as a thiol switch for sensing oxidative and nitrosative stress. <i>Molecular Microbiology</i> , 2014, 91, 790-804.	2.5	58
8	Development of a high-productivity, halophilic, thermotolerant microalga <i>Picochlorum renovo</i> . <i>Communications Biology</i> , 2019, 2, 388.	4.4	58
9	<i>Leishmania amazonensis</i> Amastigotes Trigger Neutrophil Activation but Resist Neutrophil Microbicidal Mechanisms. <i>Infection and Immunity</i> , 2013, 81, 3966-3974.	2.2	55
10	Low-molecular-weight thiol-dependent antioxidant and antinitrosative defences in <i>Salmonella</i> pathogenesis. <i>Molecular Microbiology</i> , 2013, 87, 609-622.	2.5	40
11	Development of a CRISPR/Cas9 System for <i>Methylococcus capsulatus</i> <i>In Vivo</i> Gene Editing. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	40
12	<i>DksA</i> -Dependent Resistance of <i>Salmonella enterica</i> Serovar Typhimurium against the Antimicrobial Activity of Inducible Nitric Oxide Synthase. <i>Infection and Immunity</i> , 2012, 80, 1373-1380.	2.2	39
13	Interactions between Neutrophils and <i>Leishmania braziliensis</i> Amastigotes Facilitate Cell Activation and Parasite Clearance. <i>Journal of Innate Immunity</i> , 2015, 7, 354-363.	3.8	39
14	Biogas Biocatalysis: Methanotrophic Bacterial Cultivation, Metabolite Profiling, and Bioconversion to Lactic Acid. <i>Frontiers in Microbiology</i> , 2018, 9, 2610.	3.5	36
15	Muconic acid production from methane using rationally-engineered methanotrophic biocatalysts. <i>Green Chemistry</i> , 2019, 21, 6731-6737.	9.0	29
16	<i>Leishmania amazonensis</i> Amastigotes Highly Express a Tryparedoxin Peroxidase Isoform That Increases Parasite Resistance to Macrophage Antimicrobial Defenses and Fosters Parasite Virulence. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3000.	3.0	27
17	<i>DksA</i> -Dependent Transcriptional Regulation in <i>Salmonella</i> Experiencing Nitrosative Stress. <i>Frontiers in Microbiology</i> , 2016, 7, 444.	3.5	27
18	Biological valorization of natural gas for the production of lactic acid: Techno-economic analysis and life cycle assessment. <i>Biochemical Engineering Journal</i> , 2020, 158, 107500.	3.6	25

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19	Zinc-dependent substrate-level phosphorylation powers <i>Salmonella</i> growth under nitrosative stress of the innate host response. <i>PLoS Pathogens</i> , 2018, 14, e1007388.	4.7	23
20	Building a genome engineering toolbox in nonmodel prokaryotic microbes. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2120-2138.	3.3	23
21	Genome Sequence of the Oleaginous Green Alga, <i>Chlorella vulgaris</i> UTEX 395. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 37.	4.1	21
22	Amplified Fragment Length Polymorphism and Mitochondrial DNA Analyses Reveal Patterns of Divergence and Hybridization in the Hispid Cotton Rat (<i>Sigmodon hispidus</i>). <i>Journal of Mammalogy</i> , 2007, 88, 351-359.	1.3	16
23	Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase (RubisCO) Is Essential for Growth of the Methanotroph <i>Methylococcus capsulatus</i> Strain Bath. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0088121.	3.1	14
24	<i>Salmonella enterica</i> serovar Typhimurium has three transketolase enzymes contributing to the pentose phosphate pathway. <i>Journal of Biological Chemistry</i> , 2018, 293, 11271-11282.	3.4	13
25	The <i>Chlorella vulgaris</i> S-Nitrosoproteome under Nitrogen-Replete and -Deplete Conditions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 100.	4.1	10
26	Metabolic Engineering of Methanotrophic Bacteria for Industrial Biomanufacturing. , 2018, , 117-132.		7
27	Optimized Tools and Methods for Methanotroph Genome Editing. <i>Methods in Molecular Biology</i> , 2022, 2489, 421-434.	0.9	2
28	Phosphoproteome of the Oleaginous Green Alga, <i>Chlorella vulgaris</i> UTEX 395, under Nitrogen-Replete and -Deplete Conditions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 19.	4.1	1
29	Methods for Algal Protein Isolation and Proteome Analysis. <i>Methods in Molecular Biology</i> , 2020, 2096, 51-59.	0.9	0