

Carlo R Carere

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,995
citations

567144

15
h-index

713332

21
g-index

29
all docs

29
docs citations

29
times ranked

2539
citing authors

#	ARTICLE	IF	CITATIONS
1	RNA stable isotope probing and high-throughput sequencing to identify active microbial community members in a methane-driven denitrifying biofilm. <i>Journal of Applied Microbiology</i> , 2022, 132, 1526-1542.	1.4	4
2	Growth on Formic Acid Is Dependent on Intracellular pH Homeostasis for the Thermoacidophilic Methanotroph <i>Methylacidiphilum</i> sp. RTK17.1. <i>Frontiers in Microbiology</i> , 2021, 12, 651744.	1.5	12
3	Draft Genome Sequence of <i>Limisphaera ngatamarikiensis</i> NCM72.4 ^T , a Moderately Alkaliphilic Thermophile Belonging to the Class <i>Verrucomicrobiae</i> . <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	2
4	Thermophilic methanotrophs: in hot pursuit. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	18
5	Hydrogen Oxidation Influences Glycogen Accumulation in a Verrucomicrobial Methanotroph. <i>Frontiers in Microbiology</i> , 2019, 10, 1873.	1.5	15
6	Two Chloroflexi classes independently evolved the ability to persist on atmospheric hydrogen and carbon monoxide. <i>ISME Journal</i> , 2019, 13, 1801-1813.	4.4	129
7	Mixed culture polyhydroxyalkanoate (PHA) synthesis from nutrient rich wet oxidation liquors. <i>Water Research</i> , 2018, 140, 1-11.	5.3	47
8	Microbial biogeography of 925 geothermal springs in New Zealand. <i>Nature Communications</i> , 2018, 9, 2876.	5.8	163
9	Interaction between ferruginous clay sediment and an iron-reducing hyperthermophilic <i>Pyrobaculum</i> sp. in a terrestrial hot spring. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	2
10	Mixotrophy drives niche expansion of verrucomicrobial methanotrophs. <i>ISME Journal</i> , 2017, 11, 2599-2610.	4.4	107
11	Atmospheric trace gases support primary production in Antarctic desert surface soil. <i>Nature</i> , 2017, 552, 400-403.	13.7	290
12	The methanogenic redox cofactor F420 is widely synthesized by aerobic soil bacteria. <i>ISME Journal</i> , 2017, 11, 125-137.	4.4	66
13	Cofactor Tail Length Modulates Catalysis of Bacterial F420-Dependent Oxidoreductases. <i>Frontiers in Microbiology</i> , 2017, 8, 1902.	1.5	15
14	Genomic and metagenomic surveys of hydrogenase distribution indicate H ₂ is a widely utilised energy source for microbial growth and survival. <i>ISME Journal</i> , 2016, 10, 761-777.	4.4	503
15	Persistence of the dominant soil phylum <i>Acidobacteria</i> by trace gas scavenging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10497-10502.	3.3	117
16	Role of transcription and enzyme activities in redistribution of carbon and electron flux in response to N ₂ and H ₂ sparging of open-batch cultures of <i>Clostridium thermocellum</i> ATCC 27405. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2829-2840.	1.7	16
17	Linking genome content to biofuel production yields: a meta-analysis of major catabolic pathways among select H ₂ and ethanol-producing bacteria. <i>BMC Microbiology</i> , 2012, 12, 295.	1.3	58
18	Challenges for biohydrogen production via direct lignocellulose fermentation. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7390-7403.	3.8	85

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19	Pyruvate catabolism and hydrogen synthesis pathway genes of <i>Clostridium thermocellum</i> ATCC 27405. <i>Indian Journal of Microbiology</i> , 2008, 48, 252-266.	1.5	40
20	Third Generation Biofuels via Direct Cellulose Fermentation. <i>International Journal of Molecular Sciences</i> , 2008, 9, 1342-1360.	1.8	252
21	Formate synthesis by <i>Clostridium thermocellum</i> during anaerobic fermentation. <i>Canadian Journal of Microbiology</i> , 2006, 52, 681-688.	0.8	47