

Renaud Berlemont

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,704
citations

430874

18
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

2449
citing authors

#	ARTICLE	IF	CITATIONS
1	The Potential for Cellulose Deconstruction in Fungal Genomes. Encyclopedia, 2022, 2, 990-1003.	4.5	2
2	<i>Carnobacterium maltaromaticum</i> associated with meningoencephalitis and otitis in stranded common thresher sharks (<i>Alopias vulpinus</i>). Veterinary Pathology, 2022, 59, 850-859.	1.7	2
3	Phylosymbiosis in the Rhizosphere Microbiome Extends to Nitrogen Cycle Functional Potential. Microorganisms, 2021, 9, 2476.	3.6	2
4	Life at the Frozen Limit: Microbial Carbon Metabolism Across a Late Pleistocene Permafrost Chronosequence. Frontiers in Microbiology, 2020, 11, 1753.	3.5	16
5	MetaGeneHunt for protein domain annotation in short-read metagenomes. Scientific Reports, 2020, 10, 7712.	3.3	5
6	GeneHunt for rapid domain-specific annotation of glycoside hydrolases. Scientific Reports, 2019, 9, 10137.	3.3	15
7	Crystal structure determination of <i>Pseudomonas stutzeri</i> A1501 endoglucanase Cel5A: the search for a molecular basis for glycosynthesis in GH5_5 enzymes. Acta Crystallographica Section D: Structural Biology, 2019, 75, 605-615.	2.3	8
8	Function, distribution, and annotation of characterized cellulases, xylanases, and chitinases from CAZy. Applied Microbiology and Biotechnology, 2018, 102, 1629-1637.	3.6	109
9	Drought increases the frequencies of fungal functional genes related to carbon and nitrogen acquisition. PLoS ONE, 2018, 13, e0206441.	2.5	24
10	Draft Genome Sequences of Nine New <i>Carnobacterium maltaromaticum</i> Strains Isolated from Diseased Sharks. Genome Announcements, 2018, 6, .	0.8	4
11	Nitrogen enrichment shifts functional genes related to nitrogen and carbon acquisition in the fungal community. Soil Biology and Biochemistry, 2018, 123, 87-96.	8.8	17
12	Distribution and diversity of enzymes for polysaccharide degradation in fungi. Scientific Reports, 2017, 7, 222.	3.3	96
13	Microbial legacies alter decomposition in response to simulated global change. ISME Journal, 2017, 11, 490-499.	9.8	112
14	Evidence for Ecological Flexibility in the Cosmopolitan Genus <i>Curtobacterium</i> . Frontiers in Microbiology, 2016, 7, 1874.	3.5	66
15	Glycoside Hydrolases across Environmental Microbial Communities. PLoS Computational Biology, 2016, 12, e1005300.	3.2	93
16	Natural diversity of cellulases, xylanases, and chitinases in bacteria. Biotechnology for Biofuels, 2016, 9, 133.	6.2	82
17	Microbial response to simulated global change is phylogenetically conserved and linked with functional potential. ISME Journal, 2016, 10, 109-118.	9.8	123
18	Genomic Potential for Polysaccharide Deconstruction in Bacteria. Applied and Environmental Microbiology, 2015, 81, 1513-1519.	3.1	155

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19	Temporal variation overshadows the response of leaf litter microbial communities to simulated global change. <i>ISME Journal</i> , 2015, 9, 2477-2489.	9.8	112
20	Nitrogen Cycling Potential of a Grassland Litter Microbial Community. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7012-7022.	3.1	51
21	Cellulolytic potential under environmental changes in microbial communities from grassland litter. <i>Frontiers in Microbiology</i> , 2014, 5, 639.	3.5	61
22	Elemental stoichiometry of Fungi and Bacteria strains from grassland leaf litter. <i>Soil Biology and Biochemistry</i> , 2014, 76, 278-285.	8.8	133
23	Novel Cold-Adapted Esterase MHLip from an Antarctic Soil Metagenome. <i>Biology</i> , 2013, 2, 177-188.	2.8	19
24	Phylogenetic Distribution of Potential Cellulases in Bacteria. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1545-1554.	3.1	267
25	Three-dimensional structure of RBcel1, a metagenome-derived psychrotolerant family GH5 endoglucanase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 828-833.	0.7	9
26	Antarctic Soil Metagenome. , 2013, , 1-7.		0
27	Novel organic solvent-tolerant esterase isolated by metagenomics: insights into the lipase/esterase classification. <i>Revista Argentina De Microbiologia</i> , 2013, 45, 3-12.	0.7	16
28	Exploring the Antarctic soil metagenome as a source of novel cold-adapted enzymes and genetic mobile elements. <i>Revista Argentina De Microbiologia</i> , 2011, 43, 94-103.	0.7	39
29	Insights into bacterial cellulose biosynthesis by functional metagenomics on Antarctic soil samples. <i>ISME Journal</i> , 2009, 3, 1070-1081.	9.8	48
30	A Novel Extended-Spectrum TEM-Type β -Lactamase, TEM-138, from <i>Salmonella enterica</i> Serovar Infantis. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 3183-3185.	3.2	18