

Ellis C O neill

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

2,336

citations

15

h-index

37

g-index

37

ext. papers

3,194

ext. citations

6.8

avg, IF

4.19

L-index

#	Paper	IF	Citations
26	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016 , 34, 828-837	44.5	1566
25	Identification of Thiotetronic Acid Antibiotic Biosynthetic Pathways by Target-directed Genome Mining. <i>ACS Chemical Biology</i> , 2015 , 10, 2841-2849	4.9	173
24	The transcriptome of <i>Euglena gracilis</i> reveals unexpected metabolic capabilities for carbohydrate and natural product biochemistry. <i>Molecular BioSystems</i> , 2015 , 11, 2808-20		81
23	Prioritizing Natural Product Diversity in a Collection of 146 Bacterial Strains Based on Growth and Extraction Protocols. <i>Journal of Natural Products</i> , 2017 , 80, 588-597	4.9	78
22	Enzymatic synthesis using glycoside phosphorylases. <i>Carbohydrate Research</i> , 2015 , 403, 23-37	2.9	74
21	Transcriptome, proteome and draft genome of <i>Euglena gracilis</i> . <i>BMC Biology</i> , 2019 , 17, 11	7.3	52
20	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021 , 17, 363-368	11.7	32
19	<i>Euglena</i> in time: Evolution, control of central metabolic processes and multi-domain proteins in carbohydrate and natural product biochemistry. <i>Perspectives in Science</i> , 2015 , 6, 84-93	0.8	30
18	Sugar-coated sensor chip and nanoparticle surfaces for the in vitro enzymatic synthesis of starch-like materials. <i>Chemical Science</i> , 2014 , 5, 341-350	9.4	26
17	Cellodextrin phosphorylase from <i>Ruminiclostridium thermocellum</i> : X-ray crystal structure and substrate specificity analysis. <i>Carbohydrate Research</i> , 2017 , 451, 118-132	2.9	21
16	Crystal structure of a novel two domain GH78 family β -rhamnosidase from <i>Klebsiella oxytoca</i> with rhamnose bound. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015 , 83, 1742-9	4.2	21
15	Exploring the Glycans of <i>Euglena gracilis</i> . <i>Biology</i> , 2017 , 6,	4.9	19
14	Enzymatic synthesis of nucleobase-modified UDP-sugars: scope and limitations. <i>Carbohydrate Research</i> , 2015 , 404, 17-25	2.9	18
13	Expression and characterization of 4- β -glucanotransferase genes from <i>Manihot esculenta</i> Crantz and <i>Arabidopsis thaliana</i> and their use for the production of cycloamyloses. <i>Process Biochemistry</i> , 2014 , 49, 84-89	4.8	18
12	An Alternative Strategy for Trypanosome Survival in the Mammalian Bloodstream Revealed through Genome and Transcriptome Analysis of the Ubiquitous Bovine Parasite <i>Trypanosoma</i> (<i>Megatrypanum</i>) <i>theileri</i> . <i>Genome Biology and Evolution</i> , 2017 , 9, 2093-2109	3.9	17
11	Underpinning Starch Biology with in vitro Studies on Carbohydrate-Active Enzymes and Biosynthetic Glycomaterials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015 , 3, 136	5.8	15
10	Structural Dissection of the Maltodextrin Disproportionation Cycle of the <i>Arabidopsis</i> Plastidial Disproportionating Enzyme 1 (DPE1). <i>Journal of Biological Chemistry</i> , 2015 , 290, 29834-53	5.4	13

9	Fluorescent mannosides serve as acceptor substrates for glycosyltransferase and sugar-1-phosphate transferase activities in <i>Euglena gracilis</i> membranes. <i>Carbohydrate Research</i> , 2017 , 438, 26-38	2.9	12
8	Engineering biosynthesis of high-value compounds in photosynthetic organisms. <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 779-802	9.4	12
7	An expedient enzymatic route to isomeric 2-, 3- and 6-monodeoxy-monofluoro-maltose derivatives. <i>Carbohydrate Research</i> , 2012 , 358, 12-8	2.9	11
6	Targeted antibiotic discovery through biosynthesis-associated resistance determinants: target directed genome mining. <i>Critical Reviews in Microbiology</i> , 2019 , 45, 255-277	7.8	10
5	Insights into toxic blooms: the role of sugars and algal viruses. <i>Biochemical Society Transactions</i> , 2018 , 46, 413-421	5.1	8
4	Central Metabolic Pathways and Their Subcellular Locations. <i>Metabolites</i> , 2019 , 9,	5.6	8
3	A one-pot enzymatic approach to the O-fluoroglucoside of N-methylantranilate. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 4762-7	3.4	8
2	Gene Discovery for Synthetic Biology: Exploring the Novel Natural Product Biosynthetic Capacity of Eukaryotic Microalgae. <i>Methods in Enzymology</i> , 2016 , 576, 99-120	1.7	8
1	Mining Natural Product Biosynthesis in Eukaryotic Algae. <i>Marine Drugs</i> , 2020 , 18,	6	3