

Ellis C O'Neill

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5239372/publications.pdf>

Version: 2024-02-01

32
papers

3,921
citations

471509
17
h-index

526287
27
g-index

37
all docs

37
docs citations

37
times ranked

6292
citing authors

#	ARTICLE	IF	CITATIONS
1	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837.	17.5	2,802
2	Identification of Thiotetronic Acid Antibiotic Biosynthetic Pathways by Target-directed Genome Mining. <i>ACS Chemical Biology</i> , 2015, 10, 2841-2849.	3.4	238
3	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.	3.0	105
4	The transcriptome of <i>Euglena gracilis</i> reveals unexpected metabolic capabilities for carbohydrate and natural product biochemistry. <i>Molecular BioSystems</i> , 2015, 11, 2808-2820.	2.9	104
5	Transcriptome, proteome and draft genome of <i>Euglena gracilis</i> . <i>BMC Biology</i> , 2019, 17, 11.	3.8	98
6	Enzymatic synthesis using glycoside phosphorylases. <i>Carbohydrate Research</i> , 2015, 403, 23-37.	2.3	89
7	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021, 17, 363-368.	8.0	81
8	<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.	0.6	44
9	Cellodextrin phosphorylase from <i>Ruminiclostridium thermocellum</i> : X-ray crystal structure and substrate specificity analysis. <i>Carbohydrate Research</i> , 2017, 451, 118-132.	2.3	33
10	Crystal structure of a novel two domain GH78 family α -D-glucanase from <i>Klebsiella oxytoca</i> with rhamnose bound. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1742-1749.	2.6	32
11	An Alternative Strategy for Trypanosome Survival in the Mammalian Bloodstream Revealed through Genome and Transcriptome Analysis of the Ubiquitous Bovine Parasite <i>Trypanosoma (Megatrypanum) theileri</i> . <i>Genome Biology and Evolution</i> , 2017, 9, 2093-2109.	2.5	29
12	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.	7.4	28
13	Exploring the Glycans of <i>Euglena gracilis</i> . <i>Biology</i> , 2017, 6, 45.	2.8	25
14	Expression and characterization of 4- α -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.	3.7	21
15	Enzymatic synthesis of nucleobase-modified UDP-sugars: scope and limitations. <i>Carbohydrate Research</i> , 2015, 404, 17-25.	2.3	21
16	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, 29834-29853.	3.4	18
17	Underpinning Starch Biology with in vitro Studies on Carbohydrate-Active Enzymes and Biosynthetic Glycomaterials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 136.	4.1	17
18	Targeted antibiotic discovery through biosynthesis-associated resistance determinants: target directed genome mining. <i>Critical Reviews in Microbiology</i> , 2019, 45, 255-277.	6.1	17

#	ARTICLE	IF	CITATIONS
19	Insights into toxic <i>Prymnesium parvum</i> blooms: the role of sugars and algal viruses. Biochemical Society Transactions, 2018, 46, 413-421.	3.4	16
20	Fluorescent mannosides serve as acceptor substrates for glycosyltransferase and sugar-1-phosphate transferase activities in <i>Euglena gracilis</i> membranes. Carbohydrate Research, 2017, 438, 26-38.	2.3	15
21	Engineering biosynthesis of high-value compounds in photosynthetic organisms. Critical Reviews in Biotechnology, 2017, 37, 779-802.	9.0	15
22	<i>Euglena</i> Central Metabolic Pathways and Their Subcellular Locations. Metabolites, 2019, 9, 115.	2.9	15
23	An expedient enzymatic route to isomeric 2-, 3- and 6-monodeoxy-monofluoro-maltose derivatives. Carbohydrate Research, 2012, 358, 12-18.	2.3	13
24	Gene Discovery for Synthetic Biology. Methods in Enzymology, 2016, 576, 99-120.	1.0	13
25	Mining Natural Product Biosynthesis in Eukaryotic Algae. Marine Drugs, 2020, 18, 90.	4.6	11
26	Euglenatides, Potent Antiproliferative Cyclic Peptides Isolated from the Freshwater Photosynthetic Microalga <i>Euglena gracilis</i> . Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
27	A one-pot enzymatic approach to the O-fluoroglucoside of N-methylantranilate. Bioorganic and Medicinal Chemistry, 2013, 21, 4762-4767.	3.0	8
28	Euglenatides, Potent Antiproliferative Cyclic Peptides Isolated from the Freshwater Photosynthetic Microalga <i>Euglena gracilis</i> . Angewandte Chemie, 2022, 134, .	2.0	1
29	Blocking bacterial defences. Nature Chemistry, 2013, 5, 642-643.	13.6	0
30	Discovery of fatty acid synthase inhibitors and their biosynthetic pathways by a novel target-directed genome mining strategy. Planta Medica, 2015, 81, .	1.3	0
31	Discovery of fatty acid synthase inhibitors and their biosynthetic pathways by a novel target-directed genome mining strategy. Planta Medica, 2015, 81, .	1.3	0
32	Biomolecular Engineering of Microorganisms for Natural Products Production. , 2017, , .		0