

# Ellis C O neill

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5239372/ellis-c-oneill-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , <b>2021</b> , 17, 363-368	11.7	32
25	Mining Natural Product Biosynthesis in Eukaryotic Algae. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	3
24	Targeted antibiotic discovery through biosynthesis-associated resistance determinants: target directed genome mining. <i>Critical Reviews in Microbiology</i> , <b>2019</b> , 45, 255-277	7.8	10
23	Transcriptome, proteome and draft genome of <i>Euglena gracilis</i> . <i>BMC Biology</i> , <b>2019</b> , 17, 11	7.3	52
22	Central Metabolic Pathways and Their Subcellular Locations. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	8
21	Insights into toxic blooms: the role of sugars and algal viruses. <i>Biochemical Society Transactions</i> , <b>2018</b> , 46, 413-421	5.1	8
20	Fluorescent mannosides serve as acceptor substrates for glycosyltransferase and sugar-1-phosphate transferase activities in <i>Euglena gracilis</i> membranes. <i>Carbohydrate Research</i> , <b>2017</b> , 438, 26-38	2.9	12
19	Exploring the Glycans of <i>Euglena gracilis</i> . <i>Biology</i> , <b>2017</b> , 6,	4.9	19
18	Cellodextrin phosphorylase from <i>Ruminiclostridium thermocellum</i> : X-ray crystal structure and substrate specificity analysis. <i>Carbohydrate Research</i> , <b>2017</b> , 451, 118-132	2.9	21
17	Prioritizing Natural Product Diversity in a Collection of 146 Bacterial Strains Based on Growth and Extraction Protocols. <i>Journal of Natural Products</i> , <b>2017</b> , 80, 588-597	4.9	78
16	Engineering biosynthesis of high-value compounds in photosynthetic organisms. <i>Critical Reviews in Biotechnology</i> , <b>2017</b> , 37, 779-802	9.4	12
15	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> , <b>2017</b> , 9, 2093-2109	3.9	17
14	Gene Discovery for Synthetic Biology: Exploring the Novel Natural Product Biosynthetic Capacity of Eukaryotic Microalgae. <i>Methods in Enzymology</i> , <b>2016</b> , 576, 99-120	1.7	8
13	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 828-837	44.5	1566
12	Structural Dissection of the Maltodextrin Disproportionation Cycle of the Arabidopsis Plastidial Disproportionating Enzyme 1 (DPE1). <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 29834-53	5.4	13
11	Identification of Thiotetronic Acid Antibiotic Biosynthetic Pathways by Target-directed Genome Mining. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 2841-2849	4.9	173
10	The transcriptome of <i>Euglena gracilis</i> reveals unexpected metabolic capabilities for carbohydrate and natural product biochemistry. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 2808-20		81

9	Euglena in time: Evolution, control of central metabolic processes and multi-domain proteins in carbohydrate and natural product biochemistry. <i>Perspectives in Science</i> , <b>2015</b> , 6, 84-93	0.8	30
8	Enzymatic synthesis using glycoside phosphorylases. <i>Carbohydrate Research</i> , <b>2015</b> , 403, 23-37	2.9	74
7	Crystal structure of a novel two domain GH78 family $\beta$ -rhamnosidase from <i>Klebsiella oxytoca</i> with rhamnose bound. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2015</b> , 83, 1742-9	4.2	21
6	Underpinning Starch Biology with in vitro Studies on Carbohydrate-Active Enzymes and Biosynthetic Glycomaterials. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2015</b> , 3, 136	5.8	15
5	Enzymatic synthesis of nucleobase-modified UDP-sugars: scope and limitations. <i>Carbohydrate Research</i> , <b>2015</b> , 404, 17-25	2.9	18
4	Sugar-coated sensor chip and nanoparticle surfaces for the in vitro enzymatic synthesis of starch-like materials. <i>Chemical Science</i> , <b>2014</b> , 5, 341-350	9.4	26
3	Expression and characterization of 4- $\beta$ -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> , <b>2014</b> , 49, 84-89	4.8	18
2	A one-pot enzymatic approach to the O-fluoroglucoside of N-methylanthranilate. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 4762-7	3.4	8
1	An expedient enzymatic route to isomeric 2-, 3- and 6-monodeoxy-monofluoro-maltose derivatives. <i>Carbohydrate Research</i> , <b>2012</b> , 358, 12-8	2.9	11