

Glyn R Hemsworth

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6331998/glyn-r-hemsworth-publications-by-year.pdf>

Version: 2024-04-25

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.

30
papers

2,314
citations

19
h-index

31
g-index

31
ext. papers

2,668
ext. citations

9.2
avg, IF

4.79
L-index

#	Paper	IF	Citations
30	A Standalone β Ketoreductase Acts Concomitantly with Biosynthesis of the Antimycin Scaffold. <i>ACS Chemical Biology</i> , 2021 , 16, 1152-1158	4.9	1
29	C-type cytochrome-initiated reduction of bacterial lytic polysaccharide monooxygenases. <i>Biochemical Journal</i> , 2021 , 478, 2927-2944	3.8	2
28	Insights from semi-oriented EPR spectroscopy studies into the interaction of lytic polysaccharide monooxygenases with cellulose. <i>Dalton Transactions</i> , 2020 , 49, 3413-3422	4.3	7
27	Insights into an unusual Auxiliary Activity 9 family member lacking the histidine brace motif of lytic polysaccharide monooxygenases. <i>Journal of Biological Chemistry</i> , 2019 , 294, 17117-17130	5.4	19
26	A Cell-Surface GH9 Endo-Glucanase Coordinates with Surface Glycan-Binding Proteins to Mediate Xyloglucan Uptake in the Gut Symbiont <i>Bacteroides ovatus</i> . <i>Journal of Molecular Biology</i> , 2019 , 431, 981-995	6.5	16
25	Discovery, activity and characterisation of an AA10 lytic polysaccharide oxygenase from the shipworm symbiont. <i>Biotechnology for Biofuels</i> , 2019 , 12, 232	7.8	15
24	Crystal structure of the putative cyclase IdmH from the indanomycin nonribosomal peptide synthase/polyketide synthase. <i>IUCrJ</i> , 2019 , 6, 1120-1133	4.7	7
23	An ancient family of lytic polysaccharide monooxygenases with roles in arthropod development and biomass digestion. <i>Nature Communications</i> , 2018 , 9, 756	17.4	135
22	Production and spectroscopic characterization of lytic polysaccharide monooxygenases. <i>Methods in Enzymology</i> , 2018 , 613, 63-90	1.7	12
21	Structure and function of a glycoside hydrolase family 8 endoxylanase from <i>Teredinibacter turnerae</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , 2018 , 74, 946-955	5.5	6
20	Structural and functional insight into human O-GlcNAcase. <i>Nature Chemical Biology</i> , 2017 , 13, 610-612	11.7	57
19	Molecular Mechanism by which Prominent Human Gut Bacteroidetes Utilize Mixed-Linkage Beta-Glucans, Major Health-Promoting Cereal Polysaccharides. <i>Cell Reports</i> , 2017 , 21, 417-430	10.6	80
18	Learning from microbial strategies for polysaccharide degradation. <i>Biochemical Society Transactions</i> , 2016 , 44, 94-108	5.1	57
17	Heterogeneity in the Histidine-brace Copper Coordination Sphere in Auxiliary Activity Family 10 (AA10) Lytic Polysaccharide Monooxygenases. <i>Journal of Biological Chemistry</i> , 2016 , 291, 12838-12850	5.4	30
16	The molecular basis of polysaccharide cleavage by lytic polysaccharide monooxygenases. <i>Nature Chemical Biology</i> , 2016 , 12, 298-303	11.7	205
15	Activity, stability and 3-D structure of the Cu(ii) form of a chitin-active lytic polysaccharide monooxygenase from <i>Bacillus amyloliquefaciens</i> . <i>Dalton Transactions</i> , 2016 , 45, 16904-16912	4.3	36
14	Structural dissection of a complex <i>Bacteroides ovatus</i> gene locus conferring xyloglucan metabolism in the human gut. <i>Open Biology</i> , 2016 , 6,	7	35

13	Structure and boosting activity of a starch-degrading lytic polysaccharide monooxygenase. <i>Nature Communications</i> , 2015 , 6, 5961	17.4	205
12	Lytic Polysaccharide Monooxygenases in Biomass Conversion. <i>Trends in Biotechnology</i> , 2015 , 33, 747-761	15.1	196
11	Discovery and characterization of a new family of lytic polysaccharide monooxygenases. <i>Nature Chemical Biology</i> , 2014 , 10, 122-6	11.7	268
10	A discrete genetic locus confers xyloglucan metabolism in select human gut Bacteroidetes. <i>Nature</i> , 2014 , 506, 498-502	50.4	319
9	Spectroscopic and computational insight into the activation of O ₂ by the mononuclear Cu center in polysaccharide monooxygenases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8797-802	11.5	165
8	Recent insights into copper-containing lytic polysaccharide mono-oxygenases. <i>Current Opinion in Structural Biology</i> , 2013 , 23, 660-8	8.1	152
7	Crystal structure of the small GTPase Arl6/BBS3 from <i>Trypanosoma brucei</i> . <i>Protein Science</i> , 2013 , 22, 196-203	6.3	4
6	The copper active site of CBM33 polysaccharide oxygenases. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6069-77	16.4	143
5	On the catalytic mechanism of dimeric dUTPases. <i>Biochemical Journal</i> , 2013 , 456, 81-8	3.8	22
4	The structure of <i>Escherichia coli</i> ExoIX—implications for DNA binding and catalysis in flap endonucleases. <i>Nucleic Acids Research</i> , 2013 , 41, 8357-67	20.1	6
3	Structure of the human obesity receptor leptin-binding domain reveals the mechanism of leptin antagonism by a monoclonal antibody. <i>Structure</i> , 2012 , 20, 487-97	5.2	53
2	Structural enzymology of <i>Cellvibrio japonicus</i> Agd31B protein reveals β -transglucosylase activity in glycoside hydrolase family 31. <i>Journal of Biological Chemistry</i> , 2012 , 287, 43288-99	5.4	30
1	The crystal structure of the <i>Leishmania major</i> deoxyuridine triphosphate nucleotidohydrolase in complex with nucleotide analogues, dUMP, and deoxyuridine. <i>Journal of Biological Chemistry</i> , 2011 , 286, 16470-81	5.4	30