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GIDEON DAVIES. Refereed[†] Publications

324.	Males, A., and Davies, G.J. (2019). Structural studies of a surface-entropy reduction mutant of O-GlcNAcase. <i>Acta Crystallographica Section D Structural Biology</i> 75 , 70-78.
323.	Hemsworth, G.R., Ciano, L., Davies, G.J., and Walton, P.H. (2018). Production and spectroscopic characterization of lytic polysaccharide monooxygenases. <i>Methods Enzymol</i> 613 , 63-90.
322.	Freiesleben, P.v., Moroz, O.V., Blagova, E., Wiemann, M., Spodsborg, N., Agger, J.W., Davies, G.J., Wilson, K.S., Stålbrand, H., Meyer, A.S., <i>et al.</i> (2019). Crystal structure and substrate interactions of an unusual fungal non-CBM carrying GH26 endo- β -mannanase from <i>Yunnania penicillata</i> . <i>Sci Reports</i> . SREP-18-37260 <i>in press</i> .
321.	Foley, M.H., Dejean, G., Hemsworth, G.R., Martens, E.C., Davies, G.J., Brumer, H., and Koropatkin, N.M. (2019). 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>J Mol Biol JMB_2018_582 accepted for publication</i> .
320.	Dan Lu, S.Z., Lukasz F. Sobala, Ganeko Bernardo-Seiseddos, Oscar Millet, Yongmin Zhang, Jesus Jiménez-Barbero, Gideon J. Davies, Matthieu Sollogoub. (2019). From 1,4-Disaccharide to 1,3-Glycosyl Carbasugar: Synthesis of a Bespoke Inhibitor of Family GH99 Endo- α -mannosidase. <i>Organic Letters</i> 20 , 7488–7492.
319.	Budhadev, D., Saxby, K., Walton, J., Tyler, P.C., Davies, G.J., Schwörer, R., and Fascione, M.A. (2019). Using Automated Glycan Assembly (AGA) for the Practical Synthesis of Heparan Sulfate Oligosaccharide Precursors. <i>OrgBioMol Chem Advance Article</i>
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317.	Yang, M., Fehl, C., Lees, K.V., Lim, E.-K., Offen, W.A., Davies, G.J., Bowles, D.J., Davidson, M.G., Roberts, S.J., and Davis, B.G. (2018). Functional and informatics analysis enables glycosyltransferase activity prediction. <i>Nature Chem Biol</i> 14 , 1109-1117.
316.	Wu, L., and Davies, G.J. (2018). Structure of the GH9 glucosidase/glucosaminidase from <i>Vibrio cholerae</i> . <i>Acta Crystallogr F74</i> , 512-523.
315.	Wang, B., Johnston, E.M., Li, P., Shaik, S., Davies, G.J., Walton, P.H., and Rovira, C. (2018). QM/MM studies into the H ₂ O ₂ -dependent activity of lytic polysaccharide monooxygenases: evidence for the formation of a caged hydroxyl radical intermediate. <i>ACS Catalysis</i> 8 , 1346–1351.
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311.	Schröder, S.P., Kallemeijn, W.W., Debets, M.F., Sobala, L.F., Hakki, Z., Williams, S.J., Beenakker, T.J.N., Aerts, J.M.F.G., van der Marel, G.A., Codée, J.D.C., <i>et al.</i> (2018a). Spiro-epoxyglycosides as activity-based probes for glycoside hydrolase family 99 endomannosidase/endomannanase. <i>Chem Eur J</i> 24 , 9983-9992.
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† Gideon Davies has 14 unrefereed book chapters that are not included in this list.

306.	Jain, N., Attia, M.A., Offen, W.A., Davies, G.J., and Brumer, H. (2018). Synthesis and crystallographic application of a mechanism-based endo-xyloglucanase inhibitor bearing a complex xyloglucan oligosaccharide specificity motif. <i>Org BioMol Chem early view online</i> .
305.	Fowler, C.A., Hemsworth, G.R., Cuskin, F., Hart, S., Turkenburg, J., Gilbert, H.J., Walton, P.H., and Davies, G.J. (2018). Structure and function of a GH8 endoxylanase from <i>Teredinibacter turnerae</i> . <i>Acta Crystallogr D</i> , 946-955.
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294.	van Rijssel, E. R., Janssen, A. P. A., Males, A., Davies, G. J., van der Marel, G. A., Overkleeft, H. S., Codee, J. D. C., Conformational Behaviour of Azasugars Based on Mannuronic Acid. <i>ChemBioChem</i> 2017 18, 1297–1304
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