

Pedro Bule

List of Publications by Year in descending order

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33
papers

487
citations

759233

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h-index

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33
docs citations

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times ranked

615
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#	ARTICLE	IF	CITATIONS
1	Recalcitrant cell wall of <i>Ulva lactuca</i> seaweed is degraded by a single ulvan lyase from family 25 of polysaccharide lyases. <i>Animal Nutrition</i> , 2022, 9, 184-192.	5.1	12
2	From Cancer Therapy to Winemaking: The Molecular Structure and Applications of β -1,3-Glucanases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3156.	4.1	23
3	A dual cohesin-dockerin complex binding mode in <i>Bacteroides cellulosolvens</i> contributes to the size and complexity of its cellulosome. <i>Journal of Biological Chemistry</i> , 2021, 296, 100552.	3.4	8
4	Chemokine-Directed Tumor Microenvironment Modulation in Cancer Immunotherapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9804.	4.1	73
5	Cellulosomes: Highly Efficient Cellulolytic Complexes. <i>Sub-Cellular Biochemistry</i> , 2021, 96, 323-354.	2.4	11
6	Molecular basis for the preferential recognition of β -1,3,4-glucans by the family 11 carbohydrate-binding module from <i>Clostridium thermocellum</i> . <i>FEBS Journal</i> , 2020, 287, 2723-2743.	4.7	9
7	The Fine Structure of the Cellulosome Defines the Intricacies of Carbohydrate Deconstruction in the Mammalian Gut. , 2020, , 87-107.		0
8	Molecular Cloning, Expression and Biochemical Characterization of a Family 5 Glycoside Hydrolase First Endo-Mannanase (RfGH5_7) from <i>Ruminococcus flavefaciens</i> FD-1 v3. <i>Molecular Biotechnology</i> , 2019, 61, 826-835.	2.4	10
9	Inverting family GH156 sialidases define an unusual catalytic motif for glycosidase action. <i>Nature Communications</i> , 2019, 10, 4816.	12.8	13
10	Structure-function analyses generate novel specificities to assemble the components of multienzyme bacterial cellulosome complexes. <i>Journal of Biological Chemistry</i> , 2018, 293, 4201-4212.	3.4	12
11	Cellulosome assembly: paradigms are meant to be broken!. <i>Current Opinion in Structural Biology</i> , 2018, 49, 154-161.	5.7	27
12	Target highlights from the first post-PSI CASP experiment (CASP12, May-August 2016). <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 27-50.	2.6	11
13	Higher order scaffoldin assembly in <i>Ruminococcus flavefaciens</i> cellulosome is coordinated by a discrete cohesin-dockerin interaction. <i>Scientific Reports</i> , 2018, 8, 6987.	3.3	6
14	Stability and Ligand Promiscuity of Type A Carbohydrate-binding Modules Are Illustrated by the Structure of <i>Spirochaeta thermophila</i> StCBM64C. <i>Journal of Biological Chemistry</i> , 2017, 292, 4847-4860.	3.4	19
15	Complexity of the <i>Ruminococcus flavefaciens</i> FD-1 cellulosome reflects an expansion of family-related protein-protein interactions. <i>Scientific Reports</i> , 2017, 7, 42355.	3.3	31
16	Assembly of <i>Ruminococcus flavefaciens</i> cellulosome revealed by structures of two cohesin-dockerin complexes. <i>Scientific Reports</i> , 2017, 7, 759.	3.3	20
17	Molecular determinants of substrate specificity revealed by the structure of <i>Clostridium thermocellum</i> arabinofuranosidase 43A from glycosyl hydrolase family 43 subfamily 16. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 1281-1289.	2.3	9
18	Diverse specificity of cellulosome attachment to the bacterial cell surface. <i>Scientific Reports</i> , 2016, 6, 38292.	3.3	20

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19	Single Binding Mode Integration of Hemicellulose-degrading Enzymes via Adaptor Scaffoldins in <i>Ruminococcus flavefaciens</i> Cellulosome. <i>Journal of Biological Chemistry</i> , 2016, 291, 26658-26669.	3.4	19
20	Conservation in the mechanism of glucuronoxylan hydrolysis revealed by the structure of glucuronoxylan xylanohydrolase (<i>CtXyn30A</i>) from <i>Clostridium thermocellum</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 1162-1173.	2.3	9
21	Complexity of the <i>Ruminococcus flavefaciens</i> cellulosome reflects an expansion in glycan recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7136-7141.	7.1	58
22	Expression, purification, crystallization and preliminary X-ray analysis of CttA, a putative cellulose-binding protein from <i>Ruminococcus flavefaciens</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 784-789.	0.8	2
23	Combined Crystal Structure of a Type I Cohesin. <i>Journal of Biological Chemistry</i> , 2015, 290, 16215-16225.	3.4	10
24	Cell-surface Attachment of Bacterial Multienzyme Complexes Involves Highly Dynamic Protein-Protein Anchors. <i>Journal of Biological Chemistry</i> , 2015, 290, 13578-13590.	3.4	22
25	The family 6 Carbohydrate Binding Module (CtCBM6) of glucuronoxylanase (CtXynGH30) of <i>Clostridium thermocellum</i> binds decorated and undecorated xylans through cleft A. <i>Archives of Biochemistry and Biophysics</i> , 2015, 575, 8-21.	3.0	10
26	Purification and crystallographic studies of a putative carbohydrate-binding module from the <i>Ruminococcus flavefaciens</i> FD-1 endoglucanase Cel5A. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 958-961.	0.8	0
27	Overexpression, crystallization and preliminary X-ray characterization of <i>Ruminococcus flavefaciens</i> scaffoldin C cohesin in complex with a dockerin from an uncharacterized CBM-containing protein. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1061-1064.	0.8	2
28	Purification, crystallization and preliminary X-ray characterization of the third ScaB cohesin in complex with an ScaA X-dockerin from <i>Acetivibrio cellulolyticus</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 656-658.	0.8	1
29	Overexpression, purification, crystallization and preliminary X-ray characterization of the fourth scaffoldin A cohesin from <i>Acetivibrio cellulolyticus</i> in complex with a dockerin from a family 5 glycoside hydrolase. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1065-1067.	0.8	4
30	Low doses of exogenous xylanase improve the nutritive value of triticale-based diets for broilers. <i>Journal of Applied Poultry Research</i> , 2013, 22, 92-99.	1.2	29
31	Overexpression, crystallization and preliminary X-ray crystallographic analysis of glucuronoxylan xylanohydrolase (Xyn30A) from <i>Clostridium thermocellum</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1440-1442.	0.7	4
32	Elucidation of the ScaC cohesin to ScaB dockerin type I protein:protein interactions in <i>Acetivibrio cellulolyticus</i> . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s360-s361.	0.3	0
33	Purification, crystallization and preliminary X-ray characterization of the <i>Acetivibrio cellulolyticus</i> type I cohesin ScaC in complex with the ScaB dockerin. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 1030-1033.	0.7	3