Pedro Bule

List of Publications by Year
in descending order

33 papers	487 citations	759233 12 h-index	752698 20 g-index
33 all docs	33 docs citations	33 times ranked	615 citing authors

#	Article	IF	Citations
1	Chemokine-Directed Tumor Microenvironment Modulation in Cancer Immunotherapy. International Journal of Molecular Sciences, 2021, 22, 9804.	4.1	73
2	Complexity of the Ruminococcus flavefaciens cellulosome reflects an expansion in glycan recognition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7136-7141.	7.1	58
3	Complexity of the Ruminococcus flavefaciens FD-1 cellulosome reflects an expansion of family-related protein-protein interactions. Scientific Reports, 2017, 7, 42355.	3.3	31
4	Low doses of exogenous xylanase improve the nutritive value of triticale-based diets for broilers. Journal of Applied Poultry Research, 2013, 22, 92-99.	1.2	29
5	Cellulosome assembly: paradigms are meant to be broken!. Current Opinion in Structural Biology, 2018, 49, 154-161.	5.7	27
6	From Cancer Therapy to Winemaking: The Molecular Structure and Applications of Î²-Glucans and Î²-1, 3-Glucanases. International Journal of Molecular Sciences, 2022, 23, 3156.	4.1	23
7	Cell-surface Attachment of Bacterial Multienzyme Complexes Involves Highly Dynamic Protein-Protein Anchors. Journal of Biological Chemistry, 2015, 290, 13578-13590.	3.4	22
8	Diverse specificity of cellulosome attachment to the bacterial cell surface. Scientific Reports, 2016, 6, 38292.	3.3	20
9	Assembly of Ruminococcus flavefaciens cellulosome revealed by structures of two cohesin-dockerin complexes. Scientific Reports, 2017, 7, 759.	3.3	20
10	Single Binding Mode Integration of Hemicellulose-degrading Enzymes via Adaptor Scaffoldins in Ruminococcus flavefaciens Cellulosome. Journal of Biological Chemistry, 2016, 291, 26658-26669.	3.4	19
11	Stability and Ligand Promiscuity of Type A Carbohydrate-binding Modules Are Illustrated by the Structure of Spirochaeta thermophila StCBM64C. Journal of Biological Chemistry, 2017, 292, 4847-4860.	3.4	19
12	Inverting family GH156 sialidases define an unusual catalytic motif for glycosidase action. Nature Communications, 2019, 10, 4816.	12.8	13
13	Structureâ€“function analyses generate novel specificities to assemble the components of multienzyme bacterial cellulosome complexes. Journal of Biological Chemistry, 2018, 293, 4201-4212.	3.4	12
14	Recalcitrant cell wall of Ulva lactuca seaweed is degraded by a single ulvan lyase from family 25 of polysaccharide lyases. Animal Nutrition, 2022, 9, 184-192.	5.1	12
15	Target highlights from the first postâ€PSI CASP experiment (CASP12, Mayâ€“August 2016). Proteins: Structure, Function and Bioinformatics, 2018, 86, 27-50.	2.6	11
16	Cellulosomes: Highly Efficient Cellulolytic Complexes. Sub-Cellular Biochemistry, 2021, 96, 323-354.	2.4	11
17	Combined Crystal Structure of a Type I Cohesin. Journal of Biological Chemistry, 2015, 290, 16215-16225.	3.4	10
18	The family 6 Carbohydrate Binding Module (CtCBM6) of glucuronoxylanase (CtXynGH30) of Clostridium thermocellum binds decorated and undecorated xylans through cleft A. Archives of Biochemistry and Biophysics, 2015, 575, 8-21.	3.0	10

#	Article	IF	Citations
19	Molecular Cloning, Expression and Biochemical Characterization of a Family 5 Glycoside Hydrolase First Endo-Mannanase (RfGH5_7) from Ruminococcus flavefaciens FD-1 v3. Molecular Biotechnology, 2019, 61, 826-835.	2.4	10
20	Molecular determinants of substrate specificity revealed by the structure ofClostridium thermocellumarabinofuranosidase 43A from glycosyl hydrolase family 43 subfamily 16. Acta Crystallographica Section D: Structural Biology, 2016, 72, 1281-1289.	2.3	9
21	Conservation in the mechanism of glucuronoxylan hydrolysis revealed by the structure of glucuronoxylan xylanohydrolase (CtXyn30A) fromClostridium thermocellum. Acta Crystallographica Section D: Structural Biology, 2016, 72, 1162-1173.	2.3	9
22	Molecular basis for the preferential recognition of Î²1,3â€“1,4â€“glucans by the family 11 carbohydrateâ€binding module from ClostridiumÂthermocellum. FEBS Journal, 2020, 287, 2723-2743.	4.7	9
23	A dual cohesinâ€“dockerin complex binding mode in Bacteroides cellulosolvens contributes to the size and complexity of its cellulosome. Journal of Biological Chemistry, 2021, 296, 100552.	3.4	8
24	Higher order scaffoldin assembly in Ruminococcus flavefaciens cellulosome is coordinated by a discrete cohesin-dockerin interaction. Scientific Reports, 2018, 8, 6987.	3.3	6
25	Overexpression, crystallization and preliminary X-ray crystallographic analysis of glucuronoxylan xylanohydrolase (Xyn30A) fromClostridium thermocellum. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1440-1442.	0.7	4
26	Overexpression, purification, crystallization and preliminary X-ray characterization of the fourth scaffoldin A cohesin fromAcetivibrio cellulolyticusin complex with a dockerin from a family 5 glycoside hydrolase. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1065-1067.	0.8	4
27	Purification, crystallization and preliminary X-ray characterization of theAcetivibrio cellulolyticustype I cohesin ScaC in complex with the ScaB dockerin. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 1030-1033.	0.7	3
28	Overexpression, crystallization and preliminary X-ray characterization ofRuminococcus flavefaciensscaffoldin C cohesin in complex with a dockerin from an uncharacterized CBM-containing protein. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1061-1064.	0.8	2
29	Expression, purification, crystallization and preliminary X-ray analysis of CttA, a putative cellulose-binding protein fromRuminococcus flavefaciens. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 784-789.	0.8	2
30	Purification, crystallization and preliminary X-ray characterization of the third ScaB cohesin in complex with an ScaA X-dockerin fromAcetivibrio cellulolyticus. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 656-658.	0.8	1
31	Purification and crystallographic studies of a putative carbohydrate-binding module from theRuminococcus flavefaciensFD-1 endoglucanase Cel5A. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 958-961.	0.8	0
32	Elucidation of the ScaC cohesin to ScaB dockerin type I protein:protein interactions inAcetivibrio cellulolyticus. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s360-s361.	0.3	0
33	The Fine Structure of the Cellulosome Defines the Intricacies of Carbohydrate Deconstruction in the Mammalian Gut. , 2020, , 87-107.		0