Richard John Ward

List of Publications by Year in Descending Order

47 papers	938 citations	20 h-index	29 g-index
49 ext. papers	1,053 ext. citations	4.1 avg, IF	4.05 L-index

#	Paper	IF	Citations
47	Covalent Immobilization of Chondrostereum purpureum Endopolygalacturonase on Ferromagnetic Nanoparticles: Catalytic Properties and Biotechnological Application. *Applied Biochemistry and Biotechnology*, **2021**, 1	3.2	1
46	Enhanced hydrolytic efficiency of an engineered CBM11-glucanase enzyme chimera against barley □d-glucan extracts. *Food Chemistry*, **2021**, 365, 130460	8.5	2
45	A Highly Glucose Tolerant □Glucosidase from Malbranchea pulchella (MpBg3) Enables Cellulose Saccharification. *Scientific Reports*, **2020**, 10, 6998	4.9	11
44	A novel Trichoderma reesei mutant RP698 with enhanced cellulase production. *Brazilian Journal of Microbiology*, **2020**, 51, 537-545	2.2	8
43	Biochemical and kinetic characterization of the recombinant GH28 Stereum purpureum endopolygalacturonase and its biotechnological application. *International Journal of Biological Macromolecules*, **2019**, 137, 469-474	7.9	4
42	Immobilization of a □glucosidase and an endoglucanase in ferromagnetic nanoparticles: A study of synergistic effects. *Protein Expression and Purification*, **2019**, 160, 28-35	2	18
41	Glucose tolerant and glucose stimulated □glucosidases - A review. *Bioresource Technology*, **2018**, 267, 704-713	11	59
40	Overexpression of a Cellobiose-Glucose-Halotolerant Endoglucanase from Scytalidium thermophilum. *Applied Biochemistry and Biotechnology*, **2018**, 185, 316-333	3.2	10
39	The role of local residue environmental changes in thermostable mutants of the GH11 xylanase from Bacillus subtilis. *International Journal of Biological Macromolecules*, **2017**, 97, 574-584	7.9	11
38	Engineering the GH1 □glucosidase from Humicola insolens: Insights on the stimulation of activity by glucose and xylose. *PLoS ONE*, **2017**, 12, e0188254	3.7	17
37	Lignocellulose binding of a Cel5A-RtCBM11 chimera with enhanced □glucanase activity monitored by electron paramagnetic resonance. *Biotechnology for Biofuels*, **2017**, 10, 269	7.8	5
36	GH53 Endo-Beta-1,4-Galactanase from a Newly Isolated Bacillus licheniformis CBMAI 1609 as an Enzymatic Cocktail Supplement for Biomass Saccharification. *Applied Biochemistry and Biotechnology*, **2016**, 179, 415-26	3.2	8
35	A xylose-stimulated xylanase-xylose binding protein chimera created by random nonhomologous recombination. *Biotechnology for Biofuels*, **2016**, 9, 119	7.8	25
34	Increased biomass saccharification by supplementation of a commercial enzyme cocktail with endo-arabinanase from Bacillus licheniformis. *Biotechnology Letters*, **2015**, 37, 1455-62	3	6
33	Insertion of a xylanase in xylose binding protein results in a xylose-stimulated xylanase. *Biotechnology for Biofuels*, **2015**, 8, 118	7.8	20
32	A Neurospora crassa □glucosidase with potential for lignocellulose hydrolysis shows strong glucose tolerance and stimulation by glucose and xylose. *Journal of Molecular Catalysis B: Enzymatic* , **2015**, 122, 131-140		21
31	Synthetic biology approaches to improve biocatalyst identification in metagenomic library screening. *Microbial Biotechnology*, **2015**, 8, 52-64	6.3	47

30	Structural basis for glucose tolerance in GH1 -glucosidases. *Acta Crystallographica Section D: Biological Crystallography*, **2014**, 70, 1631-9		91
29	Concommitant adaptation of a GH11 xylanase by directed evolution to create an alkali-tolerant/thermophilic enzyme. *Protein Engineering, Design and Selection*, **2014**, 27, 255-62	1.9	22
28	Biochemical properties of glycosylation and characterization of a histidine acid phosphatase (phytase) expressed in Pichia pastoris. *Protein Expression and Purification*, **2014**, 99, 43-9	2	20
27	Gene cloning, expression and biochemical characterization of a glucose- and xylose-stimulated -glucosidase from Humicola insolens RP86. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 106, 1-10		30
26	Engineering the pattern of protein glycosylation modulates the thermostability of a GH11 xylanase. *Journal of Biological Chemistry*, **2013**, 288, 25522-25534	5.4	49
25	Glucose and xylose stimulation of a -glucosidase from the thermophilic fungus Humicola insolens: A kinetic and biophysical study. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 94, 119-128		37
24	Characterization of suramin binding sites on the human group IIA secreted phospholipase A2 by site-directed mutagenesis and molecular dynamics simulation. *Archives of Biochemistry and Biophysics*, **2012**, 519, 17-22	4.1	4
23	Conformation analysis of a surface loop that controls active site access in the GH11 xylanase A from Bacillus subtilis. *Journal of Molecular Modeling*, **2012**, 18, 1473-9	2	14
22	Biochemical and structural characterization of a -1,3-1,4-glucanase from Bacillus subtilis 168. *Process Biochemistry*, **2011**, 46, 1202-1206	4.8	43
21	A practical teaching course in directed protein evolution using the green fluorescent protein as a model. *Biochemistry and Molecular Biology Education*, **2011**, 39, 21-7	1.3	7
20	Properties of a purified thermostable glucoamylase from Aspergillus niveus. *Journal of Industrial Microbiology and Biotechnology*, **2009**, 36, 1439-46	4.2	23
19	Purification and biochemical characterization of a novel alpha-glucosidase from Aspergillus niveus. *Antonie Van Leeuwenhoek*, **2009**, 96, 569-78	2.1	18
18	Production, purification, crystallization and preliminary X-ray diffraction studies of the nucleoside diphosphate kinase b from Leishmania major. *Acta Crystallographica Section F: Structural Biology Communications*, **2009**, 65, 1116-9		3
17	Characterization of temperature dependent and substrate-binding cleft movements in Bacillus circulans family 11 xylanase: a molecular dynamics investigation. *Biochimica Et Biophysica Acta - General Subjects*, **2009**, 1790, 1301-6	4	24
16	The association of Na,K-ATPase subunits studied by circular dichroism, surface tension and dilatational elasticity. *Journal of Colloid and Interface Science*, **2008**, 325, 478-84	9.3	11
15	An ultraviolet photoacoustic spectroscopy study of the interaction between Lys49-phospholipase A2 and amphiphilic molecules. *Biochemical and Biophysical Research Communications*, **2007**, 353, 889-94	3.4	3
14	Purification and characterization of two xylanases from alkalophilic and thermophilic Bacillus licheniformis 77-2. *Applied Biochemistry and Biotechnology*, **2006**, 129-132, 289-302	3.2	14
13	Lipid bilayer stabilization of the Na,K-ATPase reconstituted in DPPC/DPPE liposomes. *Cell Biochemistry and Biophysics*, **2006**, 44, 438-45	3.2	10

12	Expression and characterization of HlyX hemolysin from Leptospira interrogans serovar Copenhageni: potentiation of hemolytic activity by LipL32. *Biochemical and Biophysical Research Communications*, **2005**, 333, 1341-7	3.4	21
11	Spectroscopic characterization and structural modeling of prolamin from maize and pearl millet. *European Biophysics Journal*, **2004**, 33, 335-43	1.9	43
10	Activation of Ca2+-independent membrane-damaging activity in Lys49-phospholipase A2 promoted by amphiphilic molecules. *Biochemical and Biophysical Research Communications*, **2004**, 322, 364-72	3.4	9
9	The biological activity in mammals and insects of the nucleosidic fraction from the spider Parawixia bistriata. *Toxicon*, **2004**, 43, 375-83	2.8	14
8	Ontogenetic changes in Phoneutria nigriventer (Araneae, Ctenidae) spider venom. *Toxicon*, **2004**, 44, 635-40	2.8	25
7	Influence of enzyme conformational changes on catalytic activity investigated by circular dichroism spectroscopy. *Biochemistry and Molecular Biology Education*, **2003**, 31, 329-332	1.3	11
6	Isolation, purification, and physicochemical characterization of a D-galactose-binding lectin from seeds of Erythrina speciosa. *Archives of Biochemistry and Biophysics*, **2003**, 410, 222-9	4.1	40
5	Intersexual variations in the venom of the Brazilian XarmedXspider Phoneutria nigriventer (Keyserling, 1891). *Toxicon*, **2002**, 40, 1399-406	2.8	37
4	Purification, some properties of a D-galactose-binding leaf lectin from Erythrina indica and further characterization of seed lectin. *Biochimie*, **2002**, 84, 1035-43	4.6	22
3	Method for forming two-dimensional paracrystals of biological filaments on lipid monolayers. *Journal of Electron Microscopy Technique*, **1990**, 14, 335-41		15
2	Defective T-cell activation by Mycoplasma arthritidis mitogen is restored by interferon-gamma. *Cellular Immunology*, **1989**, 120, 188-94	4.4	5
1	Synthetic carbohydrate-binding module-endogalacturonase chimeras increase catalytic efficiency and saccharification of lignocellulose residues. *Biomass Conversion and Biorefinery*,1	2.3	0