

Richard John Ward

List of Publications by Year in descending order

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48
papers

1,203
citations

377584

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445137

33
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49
all docs

49
docs citations

49
times ranked

1671
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic carbohydrate-binding module-endogalacturonase chimeras increase catalytic efficiency and saccharification of lignocellulose residues. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 6369-6380.	2.9	2
2	Covalent Immobilization of <i>Chondrostereum purpureum</i> Endopolygalacturonase on Ferromagnetic Nanoparticles: Catalytic Properties and Biotechnological Application. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 848-861.	1.4	4
3	Co-immobilization of multiple enzymes on ferromagnetic nanoparticles for the depolymerization of xyloglucan. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 1682-1695.	1.9	3
4	Enhanced hydrolytic efficiency of an engineered CBM11-glucanase enzyme chimera against barley β -D-glucan extracts. <i>Food Chemistry</i> , 2021, 365, 130460.	4.2	5
5	A novel <i>Trichoderma reesei</i> mutant RP698 with enhanced cellulase production. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 537-545.	0.8	16
6	A Highly Glucose Tolerant β -Glucosidase from <i>Malbranchea pulchella</i> (MpBg3) Enables Cellulose Saccharification. <i>Scientific Reports</i> , 2020, 10, 6998.	1.6	19
7	Biochemical and kinetic characterization of the recombinant GH28 <i>Stereum purpureum</i> endopolygalacturonase and its biotechnological application. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 469-474.	3.6	9
8	Immobilization of a β -glucosidase and an endoglucanase in ferromagnetic nanoparticles: A study of synergistic effects. <i>Protein Expression and Purification</i> , 2019, 160, 28-35.	0.6	30
9	Overexpression of a Cellobiose-Glucose-Halotolerant Endoglucanase from <i>Scytalidium thermophilum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2018, 185, 316-333.	1.4	12
10	Glucose tolerant and glucose stimulated β -glucosidases – A review. <i>Bioresource Technology</i> , 2018, 267, 704-713.	4.8	101
11	The role of local residue environmental changes in thermostable mutants of the GH11 xylanase from <i>Bacillus subtilis</i> . <i>International Journal of Biological Macromolecules</i> , 2017, 97, 574-584.	3.6	12
12	Engineering the GH1 β -glucosidase from <i>Humicola insolens</i> : Insights on the stimulation of activity by glucose and xylose. <i>PLoS ONE</i> , 2017, 12, e0188254.	1.1	22
13	Lignocellulose binding of a Cel5A-RtCBM11 chimera with enhanced β -glucanase activity monitored by electron paramagnetic resonance. <i>Biotechnology for Biofuels</i> , 2017, 10, 269.	6.2	8
14	A xylose-stimulated xylanase-xylose binding protein chimera created by random nonhomologous recombination. <i>Biotechnology for Biofuels</i> , 2016, 9, 119.	6.2	29
15	GH53 Endo-Beta-1,4-Galactanase from a Newly Isolated <i>Bacillus licheniformis</i> CBMAI 1609 as an Enzymatic Cocktail Supplement for Biomass Saccharification. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 415-426.	1.4	11
16	Synthetic biology approaches to improve biocatalyst identification in metagenomic library screening. <i>Microbial Biotechnology</i> , 2015, 8, 52-64.	2.0	64
17	Increased biomass saccharification by supplementation of a commercial enzyme cocktail with endo-arabinanase from <i>Bacillus licheniformis</i> . <i>Biotechnology Letters</i> , 2015, 37, 1455-1462.	1.1	6
18	Insertion of a xylanase in xylose binding protein results in a xylose-stimulated xylanase. <i>Biotechnology for Biofuels</i> , 2015, 8, 118.	6.2	21

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19	A <i>Neurospora crassa</i> β -glucosidase with potential for lignocellulose hydrolysis shows strong glucose tolerance and stimulation by glucose and xylose. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 122, 131-140.	1.8	24
20	Gene cloning, expression and biochemical characterization of a glucose- and xylose-stimulated β -glucosidase from <i>Humicola insolens</i> RP86. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 106, 1-10.	1.8	33
21	Structural basis for glucose tolerance in GH1 β -glucosidases. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1631-1639.	2.5	115
22	Concomitant adaptation of a GH11 xylanase by directed evolution to create an alkali-tolerant/thermophilic enzyme. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 255-262.	1.0	27
23	Biochemical properties of glycosylation and characterization of a histidine acid phosphatase (phytase) expressed in <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2014, 99, 43-49.	0.6	26
24	Engineering the Pattern of Protein Glycosylation Modulates the Thermostability of a GH11 Xylanase. <i>Journal of Biological Chemistry</i> , 2013, 288, 25522-25534.	1.6	59
25	Glucose and xylose stimulation of a β -glucosidase from the thermophilic fungus <i>Humicola insolens</i> : A kinetic and biophysical study. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 94, 119-128.	1.8	46
26	Characterization of suramin binding sites on the human group IIA secreted phospholipase A2 by site-directed mutagenesis and molecular dynamics simulation. <i>Archives of Biochemistry and Biophysics</i> , 2012, 519, 17-22.	1.4	4
27	Conformation analysis of a surface loop that controls active site access in the GH11 xylanase A from <i>Bacillus subtilis</i> . <i>Journal of Molecular Modeling</i> , 2012, 18, 1473-1479.	0.8	20
28	Biochemical and structural characterization of a β -1,3- α -1,4-glucanase from <i>Bacillus subtilis</i> 168. <i>Process Biochemistry</i> , 2011, 46, 1202-1206.	1.8	55
29	A practical teaching course in directed protein evolution using the green fluorescent protein as a model. <i>Biochemistry and Molecular Biology Education</i> , 2011, 39, 21-27.	0.5	8
30	Properties of a purified thermostable glucoamylase from <i>Aspergillus niveus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1439-1446.	1.4	32
31	Purification and biochemical characterization of a novel β -glucosidase from <i>Aspergillus niveus</i> . <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 569-578.	0.7	21
32	Production, purification, crystallization and preliminary X-ray diffraction studies of the nucleoside diphosphate kinase b from <i>Leishmania major</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1116-1119.	0.7	3
33	Characterization of temperature dependent and substrate-binding cleft movements in <i>Bacillus circulans</i> family 11 xylanase: A molecular dynamics investigation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1301-1306.	1.1	28
34	The association of Na,K-ATPase subunits studied by circular dichroism, surface tension and dilatational elasticity. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 478-484.	5.0	12
35	An ultraviolet photoacoustic spectroscopy study of the interaction between Lys49- α -phospholipase A2 and amphiphilic molecules. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 889-894.	1.0	3
36	Purification and Characterization of Two Xylanases From Alkalophilic and Thermophilic <i>Bacillus licheniformis</i> 77-2. <i>Applied Biochemistry and Biotechnology</i> , 2006, 129, 289-302.	1.4	17

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37	Lipid Bilayer Stabilization of the Na,K-ATPase Reconstituted in DPPC/DPPE Liposomes. <i>Cell Biochemistry and Biophysics</i> , 2006, 44, 438-445.	0.9	12
38	Expression and characterization of HlyX hemolysin from <i>Leptospira interrogans</i> serovar Copenhageni: Potentiation of hemolytic activity by LipL32. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 1341-1347.	1.0	25
39	Spectroscopic characterization and structural modeling of prolamin from maize and pearl millet. <i>European Biophysics Journal</i> , 2004, 33, 335-43.	1.2	47
40	Activation of Ca ²⁺ -independent membrane-damaging activity in Lys49 phospholipase A2 promoted by amphiphilic molecules. <i>Biochemical and Biophysical Research Communications</i> , 2004, 322, 364-372.	1.0	10
41	The biological activity in mammals and insects of the nucleosidic fraction from the spider <i>Parawixia bistriata</i> . <i>Toxicon</i> , 2004, 43, 375-383.	0.8	17
42	Ontogenetic changes in <i>Phoneutria nigriventer</i> (Araneae, Ctenidae) spider venom. <i>Toxicon</i> , 2004, 44, 635-640.	0.8	29
43	Influence of enzyme conformational changes on catalytic activity investigated by circular dichroism spectroscopy. <i>Biochemistry and Molecular Biology Education</i> , 2003, 31, 329-332.	0.5	16
44	Isolation, purification, and physicochemical characterization of a d-galactose-binding lectin from seeds of <i>Erythrina speciosa</i> . <i>Archives of Biochemistry and Biophysics</i> , 2003, 410, 222-229.	1.4	49
45	Intersexual variations in the venom of the Brazilian "armed" spider <i>Phoneutria nigriventer</i> (Keyserling). <i>Tj ETQg</i> 1.1 0.784314 rgB 0.8	1.1	43
46	Purification, some properties of a D-galactose-binding leaf lectin from <i>Erythrina indica</i> and further characterization of seed lectin. <i>Biochimie</i> , 2002, 84, 1035-1043.	1.3	23
47	Method for forming two-dimensional paracrystals of biological filaments on lipid monolayers. <i>Journal of Electron Microscopy Technique</i> , 1990, 14, 335-341.	1.1	17
48	Defective T-cell activation by <i>Mycoplasma arthritidis</i> mitogen is restored by interferon- γ . <i>Cellular Immunology</i> , 1989, 120, 188-194.	1.4	8