

# Douglas Chodi Masui

## List of Publications by Citations

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39  
papers

965  
citations

21  
h-index

30  
g-index

42  
ext. papers

1,033  
ext. citations

3.2  
avg. IF

3.52  
L-index

#	Paper	IF	Citations
39	Purification and biochemical characterization of a mycelial glucose- and xylose-stimulated $\beta$ -glucosidase from the thermophilic fungus <i>Humicola insolens</i> . <i>Process Biochemistry</i> , <b>2010</b> , 45, 272-278	4.8	61
38	Optimization of $\beta$ -glucosidase, $\beta$ -xylosidase and xylanase production by <i>Colletotrichum graminicola</i> under solid-state fermentation and application in raw sugarcane trash saccharification. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 2875-902	6.3	56
37	Purification and biochemical properties of a glucose-stimulated beta-D-glucosidase produced by <i>Humicola grisea</i> var. <i>thermoidea</i> grown on sugarcane bagasse. <i>Journal of Microbiology</i> , <b>2010</b> , 48, 53-62	3	53
36	Effect of molecular surface packing on the enzymatic activity modulation of an anchored protein on phospholipid Langmuir monolayers. <i>Langmuir</i> , <b>2005</b> , 21, 4090-5	4	53
35	Gill (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase in diadromous, freshwater palaemonid shrimps: species-specific kinetic characteristics and alpha-subunit expression. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2007</b> , 148, 178-88	2.6	50
34	Modulation of gill Na <sup>+</sup> ,K <sup>+</sup> -ATPase activity by ammonium ions: Putative coupling of nitrogen excretion and ion uptake in the freshwater shrimp <i>Macrobrachium olfersii</i> . <i>The Journal of Experimental Zoology</i> , <b>2004</b> , 301, 63-74		43
33	K <sup>+</sup> and NH <sub>4</sub> ( <sup>+</sup> ) modulate gill (Na <sup>+</sup> , K <sup>+</sup> )-ATPase activity in the blue crab, <i>Callinectes ornatus</i> : fine tuning of ammonia excretion. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2007</b> , 147, 145-55	2.6	42
32	Na <sup>+</sup> , K <sup>+</sup> -ATPase activity in gill microsomes from the blue crab, <i>Callinectes danae</i> , acclimated to low salinity: novel perspectives on ammonia excretion. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2009</b> , 153, 141-8	2.6	36
31	Na,K-ATPase activity and epithelial interfaces in gills of the freshwater shrimp <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2009</b> , 152, 431-9	2.6	35
30	Gill microsomal (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase from the blue crab <i>Callinectes danae</i> : Interactions at cationic sites. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2005</b> , 37, 2521-35	5.6	35
29	Hemolymph ionic regulation and adjustments in gill (Na <sup>+</sup> , K <sup>+</sup> )-ATPase activity during salinity acclimation in the swimming crab <i>Callinectes ornatus</i> (Decapoda, Brachyura). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2009</b> , 154, 44-55	2.6	33
28	Structural and biochemical correlates of Na <sup>+</sup> ,K <sup>+</sup> -ATPase driven ion uptake across the posterior gill epithelium of the true freshwater crab, <i>Dilocarcinus pagei</i> (Brachyura, Trichodactylidae). <i>Journal of Experimental Zoology</i> , <b>2010</b> , 313, 508-23		31
27	Modulation by ammonium ions of gill microsomal (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase in the swimming crab <i>Callinectes danae</i> : a possible mechanism for regulation of ammonia excretion. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2002</b> , 132, 471-82	3.2	31
26	Gene cloning, expression and biochemical characterization of a glucose- and xylose-stimulated $\beta$ -glucosidase from <i>Humicola insolens</i> RP86. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2014</b> , 106, 1-10		30
25	A kinetic study of the gill (Na <sup>+</sup> , K <sup>+</sup> )-ATPase, and its role in ammonia excretion in the intertidal hermit crab, <i>Clibanarius vittatus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2006</b> , 145, 346-56	2.6	30
24	Adsorption kinetics and dilatational rheological studies for the soluble and anchored forms of alkaline phosphatase at the air/water interface. <i>Journal of the Brazilian Chemical Society</i> , <b>2005</b> , 16, 969-977	1.5	30
23	Production of a xylose-stimulated $\beta$ -glucosidase and a cellulase-free thermostable xylanase by the thermophilic fungus <i>Humicola brevis</i> var. <i>thermoidea</i> under solid state fermentation. <i>World Journal of Microbiology and Biotechnology</i> , <b>2012</b> , 28, 2689-701	4.4	29

22	Influence of the glycosylphosphatidylinositol anchor in the morphology and roughness of Langmuir-Blodgett films of phospholipids containing alkaline phosphatases. <i>Thin Solid Films</i> , <b>2007</b> , 515, 4801-4807	2.2	26
21	Rat osseous plate alkaline phosphatase as Langmuir monolayer--an infrared study at the air-water interface. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 320, 476-82	9.3	25
20	Identification of a crab gill FXD2 protein and regulation of crab microsomal Na,K-ATPase activity by mammalian FXD2 peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2012</b> , 1818, 2588-97	3.8	24
19	Incorporation conditions guiding the aggregation of a glycosylphosphatidyl inositol (GPI)-anchored protein in Langmuir monolayers. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2005</b> , 46, 248-54	6	24
18	Long-term exposure of the freshwater shrimp <i>Macrobrachium olfersii</i> to elevated salinity: effects on gill (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase alpha-subunit expression and K <sup>+</sup> -phosphatase activity. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2007</b> , 146, 534-43	2.6	21
17	Kinetic analysis of gill (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase activity in selected ontogenetic stages of the Amazon River shrimp, <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae): interactions at ATP- and cation-binding sites. <i>Journal of Membrane Biology</i> , <b>2012</b> , 245, 201-15	2.3	20
16	Short- and long-term, salinity-induced modulation of V-ATPase activity in the posterior gills of the true freshwater crab, <i>Dilocarcinus pagei</i> (Brachyura, Trichodactylidae). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2011</b> , 160, 24-31	2.3	18
15	Gill (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase from the blue crab <i>Callinectes danae</i> : modulation of K <sup>+</sup> -phosphatase activity by potassium and ammonium ions. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2003</b> , 134, 631-40	2.3	16
14	A novel thermostable and halotolerant xylanase from <i>Colletotrichum graminicola</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2016</b> , 133, S508-S517		15
13	The crustacean gill (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase: allosteric modulation of high- and low-affinity ATP-binding sites by sodium and potassium. <i>Archives of Biochemistry and Biophysics</i> , <b>2008</b> , 479, 139-44	4.1	13
12	Regulation by the exogenous polyamine spermidine of Na,K-ATPase activity from the gills of the euryhaline swimming crab <i>Callinectes danae</i> (Brachyura, Portunidae). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2008</b> , 149, 622-9	2.3	13
11	Application of an endo-xylanase from <i>Aspergillus japonicus</i> in the fruit juice clarification and fruit peel waste hydrolysis. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2019</b> , 21, 101312	4.2	12
10	A novel $\beta$ -glucosidase from <i>Humicola insolens</i> with high potential for untreated waste paper conversion to sugars. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 173, 391-408	3.2	12
9	K <sup>+</sup> -Phosphatase activity of gill (Na <sup>+</sup> , K <sup>+</sup> )-ATPase from the blue crab, <i>Callinectes danae</i> : low-salinity acclimation and expression of the alpha-subunit. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , <b>2005</b> , 303, 294-307		12
8	$\beta$ -xylosidase from <i>Selenomonas ruminantium</i> : Immobilization, stabilization, and application for xylooligosaccharide hydrolysis. <i>Biocatalysis and Biotransformation</i> , <b>2016</b> , 34, 161-171	2.5	8
7	Sex and reproductive stage differences in the growth, metabolism, feed, fecal production, excretion and energy budget of the Amazon River prawn ( <i>Macrobrachium amazonicum</i> ). <i>Marine and Freshwater Behaviour and Physiology</i> , <b>2014</b> , 47, 373-388	1.1	8
6	Use of Cassava Peel as Carbon Source for Production of Amylolytic Enzymes by <i>Aspergillus niveus</i> . <i>International Journal of Food Engineering</i> , <b>2009</b> , 5,	1.9	7
5	Biochemical properties of a serine protease from <i>Aspergillus flavus</i> and application in dehairing. <i>Biocatalysis and Biotransformation</i> , <b>2017</b> , 35, 249-259	2.5	6

4	Structural and kinetic alterations of constitutive conidial alkaline phosphatase from the osmotically-sensitive mutant of <i>Neurospora crassa</i> . <i>Folia Microbiologica</i> , <b>2006</b> , 51, 431-7	2.8	5
3	Production and secretion of a multifunctional $\beta$ -glucosidase by <i>Humicola grisea</i> var. <i>thermoidea</i> : effects of L-sorbose. <i>Annals of Microbiology</i> , <b>2014</b> , 64, 1089-1097	3.2	1
2	Biochemical characterization of a partially purified protease from 7461 and its application as an environmentally friendly dehairing agent for leather industry. <i>Preparative Biochemistry and Biotechnology</i> , <b>2021</b> , 51, 320-330	2.4	1
1	Removal from the membrane affects the interaction of rat osseous plate ecto-nucleosidetriphosphate diphosphohydrolase-1 with substrates and ions. <i>Journal of Membrane Biology</i> , <b>2008</b> , 224, 33-44	2.3	