

Douglas Chodi Masui

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,135
citations

279701

23
h-index

395590

33
g-index

42
all docs

42
docs citations

42
times ranked

871
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification and biochemical characterization of a mycelial glucose- and xylose-stimulated β -glucosidase from the thermophilic fungus <i>Humicola insolens</i> . <i>Process Biochemistry</i> , 2010, 45, 272-278.	1.8	70
2	Optimization of β -Glucosidase, β -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> , 2013, 14, 2875-2902.	1.8	68
3	Effect of Molecular Surface Packing on the Enzymatic Activity Modulation of an Anchored Protein on Phospholipid Langmuir Monolayers. <i>Langmuir</i> , 2005, 21, 4090-4095.	1.6	60
4	Purification and biochemical properties of a glucose-stimulated β -D-glucosidase produced by <i>Humicola grisea</i> var. <i>thermoidea</i> grown on sugarcane bagasse. <i>Journal of Microbiology</i> , 2010, 48, 53-62.	1.3	58
5	Gill (Na ⁺ ,K ⁺)-ATPase in diadromous, freshwater palaemonid shrimps: Species-specific kinetic characteristics and α -subunit expression. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, 178-188.	0.8	55
6	Modulation of gill Na ⁺ ,K ⁺ -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> , 2004, 301A, 63-74.	1.4	50
7	K ⁺ and NH ₄ ⁺ modulate gill (Na ⁺ , K ⁺)-ATPase activity in the blue crab, <i>Callinectes ornatus</i> : Fine tuning of ammonia excretion. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 147, 145-155.	0.8	48
8	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 & Integrative Physiology</i> , 2009, 152, 431-439.	0.8	47
9	Hemolymph ionic regulation and adjustments in gill (Na ⁺ , K ⁺)-ATPase activity during salinity acclimation in the swimming crab <i>Callinectes ornatus</i> (Decapoda, Brachyura). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 154, 44-55.	0.8	43
10	Na ⁺ , K ⁺ -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 & Integrative Physiology</i> , 2009, 153, 141-148.	0.8	42
11	Modulation by ammonium ions of gill microsomal (Na ⁺ ,K ⁺)-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> , 2002, 132, 471-482.	1.3	37
12	Structural and biochemical correlates of Na ⁺ ,K ⁺ -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> , 2010, 313A, 508-523.	1.2	37
13	Gill microsomal (Na ⁺ ,K ⁺)-ATPase from the blue crab <i>Callinectes danae</i> : Interactions at cationic sites. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 2521-2535.	1.2	36
14	A kinetic study of the gill (Na ⁺ , K ⁺)-ATPase, and its role in ammonia excretion in the intertidal hermit crab, <i>Clibanarius vittatus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2006, 145, 346-356.	0.8	36
15	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> , 2005, 16, 969-977.	0.6	33
16	Production of a xylose-stimulated β -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> , 2012, 28, 2689-2701.	1.7	33
17	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
18	Rat osseous plate alkaline phosphatase as Langmuir monolayer—An infrared study at the air-water interface. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 476-482.	5.0	31

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19	Influence of the glycosylphosphatidylinositol anchor in the morphology and roughness of Langmuir-Blodgett films of phospholipids containing alkaline phosphatases. <i>Thin Solid Films</i> , 2007, 515, 4801-4807.	0.8	28
20	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> , 2011, 160, 24-31.	0.7	26
21	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> , 2019, 21, 101312.	1.5	26
22	Incorporation conditions guiding the aggregation of a glycosylphosphatidyl inositol (GPI)-anchored protein in Langmuir monolayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 46, 248-254.	2.5	25
23	Long-term exposure of the freshwater shrimp <i>Macrobrachium olfersii</i> to elevated salinity: Effects on gill (Na ⁺ ,K ⁺)-ATPase β -subunit expression and K ⁺ -phosphatase activity. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 146, 534-543.	0.8	25
24	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> , 2012, 1818, 2588-2597.	1.4	25
25	Kinetic Analysis of Gill (Na ⁺ ,K ⁺)-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> , 2012, 245, 201-215.	1.0	23
26	Gill (Na ⁺ ,K ⁺)-ATPase from the blue crab <i>Callinectes danae</i> : modulation of K ⁺ -phosphatase activity by potassium and ammonium ions. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 134, 631-640.	0.7	20
27	A novel thermostable and halotolerant xylanase from <i>Colletotrichum graminicola</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S508-S517.	1.8	19
28	K ⁺ -Phosphatase activity of gill (Na ⁺ , K ⁺)-ATPase from the blue crab, <i>Callinectes danae</i> : Low-salinity acclimation and expression of the β -subunit. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 294-307.	1.3	13
29	The crustacean gill (Na ⁺ ,K ⁺)-ATPase: Allosteric modulation of high- and low-affinity ATP-binding sites by sodium and potassium. <i>Archives of Biochemistry and Biophysics</i> , 2008, 479, 139-144.	1.4	13
30	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> , 2008, 149, 622-629.	0.7	13
31	A Novel β -Glucosidase from <i>Humicola insolens</i> with High Potential for Untreated Waste Paper Conversion to Sugars. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 391-408.	1.4	13
32	Use of Cassava Peel as Carbon Source for Production of Amylolytic Enzymes by <i>Aspergillus niger</i> . <i>International Journal of Food Engineering</i> , 2009, 5, .	0.7	10
33	β -xylosidase from <i>Selenomonas ruminantium</i> : Immobilization, stabilization, and application for xylooligosaccharide hydrolysis. <i>Biocatalysis and Biotransformation</i> , 2016, 34, 161-171.	1.1	10
34	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> , 2014, 47, 373-388.	0.4	9
35	Biochemical properties of a serine protease from <i>Aspergillus flavus</i> and application in dehairing. <i>Biocatalysis and Biotransformation</i> , 2017, 35, 249-259.	1.1	8
36	Structural and kinetic alterations of constitutive conidial alkaline phosphatase from the osmotically-sensitive mutant of <i>Neurospora crassa</i> . <i>Folia Microbiologica</i> , 2006, 51, 431-437.	1.1	5

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37	Biochemical characterization of a partially purified protease from <i>Aspergillus terreus</i> 7461 and its application as an environmentally friendly dehairing agent for leather industry. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 320-330.	1.0	5
38	Production and secretion of a multifunctional α -glucosidase by <i>Humicola grisea</i> var. <i>thermoidea</i> : effects of L-sorbose. <i>Annals of Microbiology</i> , 2014, 64, 1089-1097.	1.1	1
39	Investigation of biochemical and biotechnological potential of a thermo-halo-alkali-tolerant endo-xylanase (GH11) from <i>Humicola brevis</i> var. <i>thermoidea</i> for lignocellulosic valorization of sugarcane biomass. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 44, 102424.	1.5	1
40	19.P5. Two (Na ⁺ ,K ⁺)-ATPase isoenzymes coexist in the posterior gills of the red freshwater crab <i>Dilocarcinus pagei</i> (Decapoda, Trichodactylidae). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, S90.	0.8	0
41	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> , 2008, 224, 33-44.	1.0	0