Francisco A Leone

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9343313/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Effects of ammonia on gill (Na+, K+)-ATPase kinetics in a hololimnetic population of the Amazon River shrimp Macrobrachium amazonicum. Aquatic Toxicology, 2022, 246, 106144.	4.0	2
2	Salinity-dependent modulation by protein kinases and the fxyd2 peptide of gill (Na+, K+)-ATPase activity in the freshwater shrimp Macrobrachium amazonicum (Decapoda, Palaemonidae). Biochimica Et Biophysica Acta - Biomembranes, 2022, , 183982.	2.6	2
3	Osmotic and ionic regulation, and kinetic characteristics of a posterior gill (Na+, K+)-ATPase from the blue crab Callinectes danae on acclimation to salinity challenge. Marine Biology, 2021, 168, 1.	1.5	12
4	Osmotic and ionic regulation, and modulation by protein kinases, FXYD2 peptide and ATP of gill (Na+,) Tj ETQq0 Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 250, 110507.	0 0 rgBT / 1.6	Overlock 10 ⁻ 16
5	Biochemical Characterization and Allosteric Modulation by Magnesium of (Na+, K+)-ATPase Activity in the Gills of the Red Mangrove Crab Goniopsis cruentata (Brachyura, Grapsidae). Journal of Membrane Biology, 2020, 253, 229-245.	2.1	4
6	Dopamine binding directly up-regulates (Na+, K+)-ATPase activity in the gills of the freshwater shrimp Macrobrachium amazonicum. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 233, 39-47.	1.8	2
7	Kinetic characterization of the gill (Na+, K+)-ATPase in a hololimnetic population of the diadromous Amazon River shrimp Macrobrachium amazonicum (Decapoda, Palaemonidae). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 227, 64-74.	1.6	8
8	Open Data on Donation and Transplantation in Buenos Aires City. Transplantation, 2018, 102, S809.	1.0	0
9	Follow-Up on Donor Family. Transplantation, 2018, 102, S809.	1.0	0
10	Short- and long-term salinity challenge, osmoregulatory ability, and (Na+, K+)-ATPase kinetics and α-subunit mRNA expression in the gills of the thinstripe hermit crab Clibanarius symmetricus (Anomura,) Tj ETQq	0 0 0 rgB ⁻ 1.8	T /Qyerlock 10
11	Gill (Na+, K+)-ATPase from the Amazon River shrimp, Macrobrachium amazonicum (Decapoda,) Tj ETQq1 1 0.784 Hydrobiologia, 2017, 789, 59-76.	·314 rgBT 2.0	/Overlock 10 8
12	Polyamines regulate phosphorylation–dephosphorylation kinetics in a crustacean gill (Na+,) Tj ETQqO O O rgBT	/Oyerlock 3.1	19 Tf 50 302
13	Gill Ion Transport ATPases and Ammonia Excretion in Aquatic Crustaceans. , 2017, , 61-107.		14
14	A Kinetic Characterization of the Gill (Na+, K+)-ATPase from the Semi-terrestrial Mangrove Crab Cardisoma guanhumi Latreille, 1825 (Decapoda, Brachyura). Journal of Membrane Biology, 2017, 250, 517-534.	2.1	8
15	Low salinityâ€induced alterations in epithelial ultrastructure, Na ⁺ /K ⁺ â€ATPase immunolocalization and enzyme kinetic characteristics in the gills of the thinstripe hermit crab, <i>Clibanarius vittatus</i> (Anomura, Diogenidae). Journal of Experimental Zoology Part A: Ecological and Integrative Physiology. 2017. 327. 380-397.	1.9	11
16	Effects of ammonia stress in the Amazon river shrimp Macrobrachium amazonicum (Decapoda,) Tj ETQq0 0 0 rg	3T /Overlo 4.0	ck 10 Tf 50 1 45
17	A kinetic characterization of the gill V(H+)-ATPase in juvenile and adult Macrobrachium amazonicum, a diadromous palaemonid shrimp. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2015, 181, 15-25.	1.6	14
18	A Kinetic Characterization of (Na+, K+)-ATPase Activity in the Gills of the Pelagic Seabob Shrimp Xiphopenaeus kroyeri (Decapoda, Penaeidae). Journal of Membrane Biology, 2015, 248, 257-272.	2.1	9

#	Article	IF	CITATIONS
19	Gill-specific (Na+, K+)-ATPase activity and α-subunit mRNA expression during low-salinity acclimation of the ornate blue crab Callinectes ornatus (Decapoda, Brachyura). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2015, 186, 59-67.	1.6	36
20	Modulation By K+ Plus NH4+ of Microsomal (Na+, K+)-ATPase Activity in Selected Ontogenetic Stages of the Diadromous River Shrimp Macrobrachium amazonicum (Decapoda, Palaemonidae). PLoS ONE, 2014, 9, e89625.	2.5	18
21	Subcellular Localization and Kinetic Characterization of a Gill (Na+, K+)-ATPase from the Giant Freshwater Prawn Macrobrachium rosenbergii. Journal of Membrane Biology, 2013, 246, 529-543.	2.1	24
22	Synergistic stimulation by potassium and ammonium of K+-phosphatase activity in gill microsomes from the crab Callinectes ornatus acclimated to low salinity: Novel property of a primordial pump. Archives of Biochemistry and Biophysics, 2013, 530, 55-63.	3.0	8
23	Hemolymph ion regulation and kinetic characteristics of the gill (Na+, K+)-ATPase in the hermit crab Clibanarius vittatus (Decapoda, Anomura) acclimated to high salinity. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2012, 161, 380-391.	1.6	23
24	Identification of a crab gill FXYD2 protein and regulation of crab microsomal Na,K-ATPase activity by mammalian FXYD2 peptide. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2588-2597.	2.6	25
25	Kinetic Analysis of Gill (Na+,K+)-ATPase Activity in Selected Ontogenetic Stages of the Amazon River Shrimp, Macrobrachium amazonicum (Decapoda, Palaemonidae): Interactions at ATP- and Cation-Binding Sites. Journal of Membrane Biology, 2012, 245, 201-215.	2.1	23
26	Na+,K+-ATPase Activity in the Posterior Gills of the Blue Crab, Callinectes ornatus (Decapoda,) Tj ETQq0 0 0 rgB Membrane Biology, 2011, 244, 9-20.	T /Overlock 2.1	10 Tf 50 467 18
27	Purification and biochemical properties of a glucose-stimulated β-D-glucosidase produced by Humicola grisea var. thermoidea grown on sugarcane bagasse. Journal of Microbiology, 2010, 48, 53-62.	2.8	58
28	Cation transport coupled to ATP hydrolysis by the (Na, K)â€ATPase. Biochemistry and Molecular Biology Education, 2010, 38, 276-279.	1.2	2
29	Purification and biochemical characterization of a mycelial glucose- and xylose-stimulated β-glucosidase from the thermophilic fungus Humicola insolens. Process Biochemistry, 2010, 45, 272-278.	3.7	70
30	Na,K-ATPase activity and epithelial interfaces in gills of the freshwater shrimp Macrobrachium amazonicum (Decapoda, Palaemonidae). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 152, 431-439.	1.8	47
31	Na+, K+-ATPase activity in gill microsomes from the blue crab, Callinectes danae, acclimated to low salinity: Novel perspectives on ammonia excretion. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, 141-148.	1.8	42
32	Hemolymph ionic regulation and adjustments in gill (Na+, K+)-ATPase activity during salinity acclimation in the swimming crab Callinectes ornatus (Decapoda, Brachyura). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 154, 44-55.	1.8	43
33	Molecular View of the Interaction between ι-Carrageenan and a Phospholipid Film and Its Role in Enzyme Immobilization. Journal of Physical Chemistry B, 2009, 113, 7491-7497.	2.6	30
34	Removal from the Membrane Affects the Interaction of Rat Osseous Plate Ecto-Nucleosidetriphosphate Diphosphohydrolase-1 with Substrates and Ions. Journal of Membrane Biology, 2008, 224, 33-44.	2.1	0
35	Purification and biochemical characterization of thermostable alkaline phosphatases produced by Rhizopus microsporus var. rhizopodiformis. Folia Microbiologica, 2008, 53, 509-516.	2.3	9
36	Rat osseous plate alkaline phosphatase as Langmuir monolayer—An infrared study at the air–water interface. Journal of Colloid and Interface Science, 2008, 320, 476-482.	9.4	31

#	Article	IF	CITATIONS
37	The crustacean gill (Na+,K+)-ATPase: Allosteric modulation of high- and low-affinity ATP-binding sites by sodium and potassium. Archives of Biochemistry and Biophysics, 2008, 479, 139-144.	3.0	13
38	Regulation by the exogenous polyamine spermidine of Na,K-ATPase activity from the gills of the euryhaline swimming crab Callinectes danae (Brachyura, Portunidae). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 149, 622-629.	1.6	13
39	Long-term exposure of the freshwater shrimp Macrobrachium olfersii to elevated salinity: Effects on gill (Na+,K+)-ATPase α-subunit expression and K+-phosphatase activity. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 146, 534-543.	1.8	25
40	K+ and NH4+ modulate gill (Na+, K+)-ATPase activity in the blue crab, Callinectes ornatus: Fine tuning of ammonia excretion. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 147, 145-155.	1.8	48
41	Cill (Na+,K+)-ATPase in diadromous, freshwater palaemonid shrimps: Species-specific kinetic characteristics and α-subunit expression. Comparative Biochemistry and Physiology Part A, Molecular & amp; Integrative Physiology, 2007, 148, 178-188.	1.8	55
42	Influence of the glycosylphosphatidylinositol anchor in the morphology and roughness of Langmuir–Blodgett films of phospholipids containing alkaline phosphatases. Thin Solid Films, 2007, 515, 4801-4807.	1.8	28
43	Structural and kinetic alterations of constitutive conidial alkaline phosphatase from the osmotically-sensitive mutant ofNeurospora crassa. Folia Microbiologica, 2006, 51, 431-437.	2.3	5
44	A kinetic study of the gill (Na+, K+)-ATPase, and its role in ammonia excretion in the intertidal hermit crab, Clibanarius vittatus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2006, 145, 346-356.	1.8	36
45	Incorporation conditions guiding the aggregation of a glycosylphosphatidyl inositol (GPI)-anchored protein in Langmuir monolayers. Colloids and Surfaces B: Biointerfaces, 2005, 46, 248-254.	5.0	25
46	SigrafW: An easy-to-use program for fitting enzyme kinetic data. Biochemistry and Molecular Biology Education, 2005, 33, 399-403.	1.2	99
47	K+-Phosphatase activity of gill (Na+, K+)-ATPase from the blue crab,Callinectes danae: Low-salinity acclimation and expression of the ?-subunit. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2005, 303A, 294-307.	1.3	13
48	Adsorption kinetics and dilatational rheological studies for the soluble and anchored forms of alkaline phosphatase at the air/water interface. Journal of the Brazilian Chemical Society, 2005, 16, 969-977.	0.6	33
49	Effect of Molecular Surface Packing on the Enzymatic Activity Modulation of an Anchored Protein on Phospholipid Langmuir Monolayers. Langmuir, 2005, 21, 4090-4095.	3.5	60
50	Gill microsomal (Na+,K+)-ATPase from the blue crab Callinectes danae: Interactions at cationic sites. International Journal of Biochemistry and Cell Biology, 2005, 37, 2521-2535.	2.8	36
51	Characterization and properties of acid phosphatases with phytase activity produced by Aspergillus caespitosus. Biotechnology and Applied Biochemistry, 2004, 40, 201.	3.1	25
52	Streptozotocin-induced diabetes influences the activity of ecto-nucleoside triphosphate diphosphohydrolase 1 of rat osseous plate membranes. Molecular and Cellular Biochemistry, 2004, 267, 99-106.	3.1	0
53	Modulation of gill Na+,K+-ATPase activity by ammonium ions: Putative coupling of nitrogen excretion and ion uptake in the freshwater shrimpMacrobrachium olfersii. The Journal of Experimental Zoology, 2004, 301A, 63-74.	1.4	50
54	Surface density as a significant parameter for the enzymatic activity of two forms of alkaline phosphatase immobilized on phospholipid Langmuir–Blodgett films. Journal of Colloid and Interface Science, 2004, 275, 123-130.	9.4	39

#	Article	IF	CITATIONS
55	Extracellular alkaline phosphatase from the filamentous fungusAspergillus caespitosus: Purification and biochemical characterization. Folia Microbiologica, 2003, 48, 627-632.	2.3	12
56	Characterization of an ectonucleoside triphosphate diphosphohydrolase 1 activity in alkaline phosphatase-depleted rat osseous plate membranes: possible functional involvement in the calcification process. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1646, 216-225.	2.3	15
57	Adsorption of detergent-solubilized and phospholipase C-solubilized alkaline phosphatase at air/liquid interfaces. Colloids and Surfaces B: Biointerfaces, 2003, 30, 273-282.	5.0	28
58	Gill (Na+,K+)-ATPase from the blue crab Callinectes danae: modulation of K+-phosphatase activity by potassium and ammonium ions. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 134, 631-640.	1.6	20
59	Modulation by ammonium ions of gill microsomal (Na+,K+)-ATPase in the swimming crab Callinectes danae: a possible mechanism for regulation of ammonia excretion. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 132, 471-482.	2.6	37
60	Enzymatic activity of alkaline phosphatase adsorbed on dimyristoylphosphatidic acid Langmuir–Blodgett films. Colloids and Surfaces B: Biointerfaces, 2002, 25, 119-128.	5.0	48
61	Rat osseous plate alkaline phosphatase: effect of neutral protease digestion on the hydrolysis of pyrophosphate and nitrophenylphosphate. Molecular and Cellular Biochemistry, 2002, 241, 69-79.	3.1	10
62	Nitrophenylphosphate as a tool to characterize gill Na+, K+-ATPase activity in hyperregulating Crustacea. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 130, 665-676.	1.8	20
63	Kinetic Characteristics of ATP Hydrolysis by a Detergent-Solubilized Alkaline Phosphatase From Rat Osseous Plate. IUBMB Life, 2000, 49, 113-119.	3.4	18
64	Characterization of (Na+, K+)-ATPase in gill microsomes of the freshwater shrimp Macrobrachium olfersii. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2000, 126, 303-315.	1.6	83
65	A simple laboratory experiment to demonstrate the interaction of proteins bearing glycosylphosphatidylinositol anchors with liposomes. Biochemical Education, 1999, 27, 41-44.	0.1	13
66	Streptozotocin-induced diabetes: significant changes in the kinetic properties of the soluble form of rat bone alkaline phosphatase. Biochemical Pharmacology, 1999, 58, 841-849.	4.4	9
67	A Biotinylated Conducting Polypyrrole for the Spatially Controlled Construction of an Amperometric Biosensor. Analytical Chemistry, 1999, 71, 3692-3697.	6.5	116
68	Allosteric modulation of pyrophosphatase activity of rat osseous plate alkaline phosphatase by magnesium ions. International Journal of Biochemistry and Cell Biology, 1998, 30, 89-97.	2.8	18
69	Kinetic characterization of a membrane-specific ATPase from rat osseous plate and its possible significance on endochondral ossification. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1368, 108-114.	2.6	17
70	A Bienzyme Electrode (Alkaline Phosphataseâ^'Polyphenol Oxidase) for the Amperometric Determination of Phosphate. Analytical Chemistry, 1998, 70, 3952-3956.	6.5	73
71	Inorganic pyrophosphate-phosphohydrolytic activity associated with rat osseous plate alkaline phosphatase. Cellular and Molecular Biology, 1998, 44, 293-302.	0.9	20
72	Dependence of divalent metal ions on phosphotransferase activity of osseous plate alkaline phosphatase. Journal of Inorganic Biochemistry, 1997, 66, 51-55.	3.5	11

#	Article	IF	CITATIONS
73	Effect of calcium ions on rat osseous plate alkaline phosphatase activity. Journal of Inorganic Biochemistry, 1997, 68, 123-127.	3.5	18
74	Conidial alkaline phosphatase from Neurospora crassa. Phytochemistry, 1996, 41, 71-75.	2.9	19
75	Characterization of the phosphatidylinositol-specific phospholipase C-released form of rat osseous plate alkaline phosphatase and its possible significance on endochondral ossification. Molecular and Cellular Biochemistry, 1995, 152, 121-129.	3.1	48
76	Rat osseous plate alkaline phosphatase: mechanism of action of manganese ions. BioMetals, 1995, 8, 86-91.	4.1	10
77	Mechanism of action of cobalt ions on rat osseous plate alkaline phosphatase. Journal of Inorganic Biochemistry, 1995, 60, 155-162.	3.5	6
78	Quantification of trehalose in biological samples with a conidial trehalase from the thermophilic fungus Humicola grisea var. thermoidea. World Journal of Microbiology and Biotechnology, 1994, 10, 17-19.	3.6	37
79	Phosphodiesterase activity is a novel property of alkaline phosphatase from osseous plate. Biochemical Journal, 1994, 301, 517-522.	3.7	65
80	Allosteric modulation by ATP, calcium and magnesium ions of rat osseous plate alkaline phosphatase. BBA - Proteins and Proteomics, 1993, 1202, 22-28.	2.1	20
81	Kinetic properties of osseous plate alkaline phosphatase from diabetic rats. Comparative Biochemistry and Physiology A, Comparative Physiology, 1993, 104, 469-474.	0.6	9
82	Sigraf: A versatile computer program for fitting enzyme kinetic data. Biochemical Education, 1992, 20, 94-96.	0.1	32
83	Phosphotransferase activity associated with rat osseous plate alkaline phosphatase: a possible role in biomineralization. International Journal of Biochemistry & Cell Biology, 1992, 24, 1391-1396.	0.5	16
84	Effect of ph on the modulation of rat osseous plate alkaline phosphatase by metal ions. International Journal of Biochemistry & Cell Biology, 1992, 24, 923-928.	0.5	8
85	Polyoxyethylene 9-lauryl ether-solubilized alkaline phosphatase: Synergistic stimulation by zinc and magnesium ions. International Journal of Biochemistry & Cell Biology, 1992, 24, 611-615.	0.5	14
86	Alkaline phosphatase from rat osseous plates: purification and biochemical characterization of a soluble form. Biochimica Et Biophysica Acta - General Subjects, 1991, 1074, 256-262.	2.4	44
87	Hazard materials testing at the U.S. department of energy's liquefied gaseous fuels spill test facility. Plant/Operations Progress, 1990, 9, 226-230.	0.3	2
88	Effect of membrane moiety and magnesium ions on the inhibition of matrix-induced alkaline phosphatase by zinc ions. International Journal of Biochemistry & Cell Biology, 1990, 22, 747-751.	0.5	25
89	Kinetic properties of mitochondrial ATPase during isoproterenol-induced cardiomyopathy. International Journal of Biochemistry & Cell Biology, 1990, 22, 611-615.	0.5	2
90	Solubilization of membrane-bound matrix-induced alkaline phosphatase with polyoxyethylene 9-lauryl ether (polidocanol): Purification and metalloenzyme properties. International Journal of Biochemistry & Cell Biology, 1990, 22, 385-392.	0.5	34

#	Article	IF	CITATIONS
91	Effect of Zn(II) and Mg(II) on phosphohydrolytic activity of rat matrix-induced alkaline phosphatase. , 1989, 35, 503-10.		4
92	Kinetic properties of Triton X-100 solubilized bone matrix induced alkaline phosphatase. , 1988, 34, 553-62.		2
93	Triton X-100 solubilized bone matrix-induced alkaline phosphatase. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1987, 87, 921-926.	0.2	18
94	Kinetic characteristics of some inhibitors of matrix-induced alkaline phosphatase. , 1987, 33, 625-35.		4
95	Isolation and kinetic properties of an alkaline phosphatase from rat bone matrix-induced cartilage. , 1986, 32, 55-62.		9
96	Properties of acid phosphatase from scutella of germinating maize seeds. Phytochemistry, 1981, 20, 1823-1826.	2.9	22
97	Multiple active forms of sheep thrombin. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1980, 67, 57-62.	0.2	0
98	Pig prothrombin : Purification and properties. Biochimie, 1976, 58, 505-512.	2.6	4
99	Isolation and characterization of an active three-chain molecular species of bovine thrombin. Biochemical Journal, 1976, 159, 29-33.	3.7	7
100	Sheep prothrombin: Purification and partial characterization. Biochimica Et Biophysica Acta (BBA) - Protein Structure, 1976, 453, 410-417.	1.7	3
101	Sodium Chloride as a Replacement for Phosphate in Media for the Bacterial Production and Determination of Acetoin. Applied Microbiology, 1954, 2, 259-262.	0.6	1