

Pietro Ciancaglini

List of Publications by Year in descending order

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167
papers

3,595
citations

159358

30
h-index

214527

47
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168
all docs

168
docs citations

168
times ranked

4105
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomedical applications of nanotechnology. <i>Biophysical Reviews</i> , 2017, 9, 79-89.	1.5	280
2	Matrix vesicles from chondrocytes and osteoblasts: Their biogenesis, properties, functions and biomimetic models. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 532-546.	1.1	131
3	Kinetic analysis of substrate utilization by native and TNAP-, NPP1-, or PHOSPHO1-deficient matrix vesicles. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 716-723.	3.1	118
4	Use of hand held photopolymerizer to photoinactivate <i>Streptococcus mutans</i> . <i>Archives of Oral Biology</i> , 2005, 50, 353-359.	0.8	85
5	Biosensors for Efficient Diagnosis of Leishmaniasis: Innovations in Bioanalytics for a Neglected Disease. <i>Analytical Chemistry</i> , 2010, 82, 9763-9768.	3.2	66
6	Phosphodiesterase activity is a novel property of alkaline phosphatase from osseous plate. <i>Biochemical Journal</i> , 1994, 301, 517-522.	1.7	65
7	Photodynamic Therapy in Planktonic and Biofilm Cultures of <i>Aggregatibacter actinomycetemcomitans</i> . <i>Photomedicine and Laser Surgery</i> , 2010, 28, S-53-S-60.	2.1	64
8	Catalytic Signature of a Heat-Stable, Chimeric Human Alkaline Phosphatase with Therapeutic Potential. <i>PLoS ONE</i> , 2014, 9, e89374.	1.1	61
9	Construction of an alkaline phosphatase-liposome system: a tool for biomineralization study. <i>International Journal of Biochemistry and Cell Biology</i> , 2002, 34, 1091-1101.	1.2	59
10	Using Capacitance Measurements as the Detection Method in Antigen-Containing Layer-by-Layer Films for Biosensing. <i>Analytical Chemistry</i> , 2007, 79, 2163-2167.	3.2	59
11	Antimicrobial peptides from <i>Phyllomedusa</i> frogs: from biomolecular diversity to potential nanotechnologic medical applications. <i>Amino Acids</i> , 2011, 40, 29-49.	1.2	53
12	Biophysical aspects of biomineralization. <i>Biophysical Reviews</i> , 2017, 9, 747-760.	1.5	50
13	Proteoliposomes Harboring Alkaline Phosphatase and Nucleotide Pyrophosphatase as Matrix Vesicle Biomimetics. <i>Journal of Biological Chemistry</i> , 2010, 285, 7598-7609.	1.6	49
14	Calcium carbonate hybrid coating promotes the formation of biomimetic hydroxyapatite on titanium surfaces. <i>Applied Surface Science</i> , 2016, 370, 459-468.	3.1	49
15	Characterization of the phosphatidylinositol-specific phospholipase C-released form of rat osseous plate alkaline phosphatase and its possible significance on endochondral ossification. <i>Molecular and Cellular Biochemistry</i> , 1995, 152, 121-129.	1.4	48
16	Alkaline phosphatase from rat osseous plates: purification and biochemical characterization of a soluble form. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991, 1074, 256-262.	1.1	44
17	Comparative Study of Methylene Blue and Erythrosine Dyes Employed in Photodynamic Therapy for Inactivation of Planktonic and Biofilm-Cultivated <i>Aggregatibacter actinomycetemcomitans</i> . <i>Photomedicine and Laser Surgery</i> , 2010, 28, S-85-S-90.	2.1	42
18	Na,K-ATPase reconstituted in liposomes: effects of lipid composition on hydrolytic activity and enzyme orientation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 41, 239-248.	2.5	41

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19	Contribution of matrix vesicles and alkaline phosphatase to ectopic bone formation. <i>Brazilian Journal of Medical and Biological Research</i> , 2006, 39, 603-610.	0.7	41
20	Human mitochondrial pyruvate carrier 2 as an autonomous membrane transporter. <i>Scientific Reports</i> , 2018, 8, 3510.	1.6	39
21	Liposomal-lupane system as alternative chemotherapy against cutaneous leishmaniasis: Macrophage as target cell. <i>Experimental Parasitology</i> , 2013, 135, 337-343.	0.5	37
22	Liposomal systems as carriers for bioactive compounds. <i>Biophysical Reviews</i> , 2015, 7, 391-397.	1.5	37
23	Solubilization of membrane-bound matrix-induced alkaline phosphatase with polyoxyethylene 9-lauryl ether (polidocanol): Purification and metalloenzyme properties. <i>International Journal of Biochemistry & Cell Biology</i> , 1990, 22, 385-392.	0.8	34
24	Local delivery of EGF α liposome mediated bone modeling in orthodontic tooth movement by increasing RANKL expression. <i>Life Sciences</i> , 2009, 85, 693-699.	2.0	34
25	Development of nanostructured bioanodes containing dendrimers and dehydrogenases enzymes for application in ethanol biofuel cells. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2922-2926.	5.3	34
26	Proteoliposomes in nanobiotechnology. <i>Biophysical Reviews</i> , 2012, 4, 67-81.	1.5	34
27	The effect of cholesterol on the reconstitution of alkaline phosphatase into liposomes. <i>Biophysical Chemistry</i> , 2010, 152, 74-79.	1.5	33
28	Effects of pH on the Production of Phosphate and Pyrophosphate by Matrix Vesicles α ™ Biomimetics. <i>Calcified Tissue International</i> , 2013, 93, 222-232.	1.5	32
29	Membrane-bound alkaline phosphatase from ectopic mineralization and rat bone marrow cell culture. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 146, 679-687.	0.8	31
30	Formation of carbonated hydroxyapatite films on metallic surfaces using dihexadecyl phosphate α LB film as template. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 31-40.	2.5	31
31	Topographic analysis by atomic force microscopy of proteoliposomes matrix vesicle mimetics harboring TNAP and AnxA5. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1911-1920.	1.4	31
32	Biomimetic collagen/phospholipid coatings improve formation of hydroxyapatite nanoparticles on titanium. <i>Materials Science and Engineering C</i> , 2017, 77, 102-110.	3.8	31
33	Solubilization of Na,K-ATPase from rabbit kidney outer medulla using only C12E8. <i>Brazilian Journal of Medical and Biological Research</i> , 2002, 35, 277-288.	0.7	29
34	The Effect of Photosensitizer Drugs and Light Stimulation on Osteoblast Growth. <i>Photomedicine and Laser Surgery</i> , 2011, 29, 699-705.	2.1	29
35	Development of novel bioanodes for ethanol biofuel cell using PAMAM dendrimers as matrix for enzyme immobilization. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2675-2679.	5.3	29
36	Culture of osteogenic cells from human alveolar bone: A useful source of alkaline phosphatase. <i>Cell Biology International</i> , 2007, 31, 1405-1413.	1.4	28

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37	Strontium Calcium Phosphate Nanotubes as Bioinspired Building Blocks for Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43422-43434.	4.0	28
38	Lipid composition-dependent incorporation of multiple membrane proteins into liposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 36, 127-137.	2.5	27
39	The kinetic behavior of dehydrogenase enzymes in solution and immobilized onto nanostructured carbon platforms. <i>Process Biochemistry</i> , 2011, 46, 2347-2352.	1.8	26
40	Disrupting membrane raft domains by alkylphospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1384-1389.	1.4	26
41	Effect of the presence of cholesterol in the interfacial microenvironment on the modulation of the alkaline phosphatase activity during in vitro mineralization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 466-476.	2.5	26
42	Effect of membrane moiety and magnesium ions on the inhibition of matrix-induced alkaline phosphatase by zinc ions. <i>International Journal of Biochemistry & Cell Biology</i> , 1990, 22, 747-751.	0.8	25
43	Effects of a Mixture of Growth Factors and Proteins on the Development of the Osteogenic Phenotype in Human Alveolar Bone Cell Cultures. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 629-638.	1.3	25
44	Treatment With a Growth Factorâ€“Protein Mixture Inhibits Formation of Mineralized Nodules in Osteogenic Cell Cultures Grown on Titanium. <i>Journal of Histochemistry and Cytochemistry</i> , 2009, 57, 265-276.	1.3	25
45	Photodynamic Therapy with Rose Bengal Induces GroEL Expression in <i>Streptococcus mutans</i> . <i>Photomedicine and Laser Surgery</i> , 2010, 28, S-79-S-84.	2.1	25
46	Thermodynamic properties and characterization of proteoliposomes rich in microdomains carrying alkaline phosphatase. <i>Biophysical Chemistry</i> , 2011, 158, 111-118.	1.5	25
47	Ferrocene Entrapped In Polypyrrole Film and PAMAM Dendrimers as Matrix for Mediated Glucose/O ₂ Biofuel Cell. <i>Electrochimica Acta</i> , 2014, 136, 52-58.	2.6	25
48	Graphene oxide and titanium: synergistic effects on the biomineralization ability of osteoblast cultures. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 71.	1.7	25
49	Quantitative atomic force microscopy provides new insight into matrix vesicle mineralization. <i>Archives of Biochemistry and Biophysics</i> , 2019, 667, 14-21.	1.4	25
50	Proteoliposomes as matrix vesicles' biomimetics to study the initiation of skeletal mineralization. <i>Brazilian Journal of Medical and Biological Research</i> , 2010, 43, 234-241.	0.7	24
51	Linker for Activation of T-cell Family Member2 (LAT2) a Lipid Raft Adaptor Protein for AKT Signaling, Is an Early Mediator of Alkylphospholipid Anti-leukemic Activity. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1898-1912.	2.5	24
52	Nanopharmaceutical Approach of Epiisopiloturine Alkaloid Carried in Liposome System: Preparation and <i>In Vitro</i> Schistosomicidal Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4519-4528.	0.9	24
53	Proteoliposomes with the ability to transport Ca ²⁺ into the vesicles and hydrolyze phosphosubstrates on their surface. <i>Archives of Biochemistry and Biophysics</i> , 2015, 584, 79-89.	1.4	24
54	Estrogen and phenol red free medium for osteoblast culture: study of the mineralization ability. <i>Cytotechnology</i> , 2016, 68, 1623-1632.	0.7	24

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55	ENZYPLOT: A microcomputer assisted program for teaching enzyme kinetics. <i>Biochemical Education</i> , 1995, 23, 35-37.	0.1	23
56	Labaditin, a cyclic peptide with rich biotechnological potential: preliminary toxicological studies and structural changes in water and lipid membrane environment. <i>Amino Acids</i> , 2011, 40, 135-144.	1.2	22
57	Matrix vesicle biomimetics harboring Annexin A5 and alkaline phosphatase bind to the native collagen matrix produced by mineralizing vascular smooth muscle cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129629.	1.1	22
58	Allosteric modulation by ATP, calcium and magnesium ions of rat osseous plate alkaline phosphatase. <i>BBA - Proteins and Proteomics</i> , 1993, 1202, 22-28.	2.1	20
59	Using multidimensional projection techniques for reaching a high distinguishing ability in biosensing. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1153-9.	1.9	20
60	Dermaseptin O1 as antimicrobial peptide with rich biotechnological potential: study of peptide interaction with membranes containing <i>Leishmania amazonensis</i> lipid-rich extract and membrane models. <i>Journal of Peptide Science</i> , 2011, 17, 700-707.	0.8	20
61	Phosphatidylserine controls calcium phosphate nucleation and growth on lipid monolayers: A physicochemical understanding of matrix vesicle-driven biomineralization. <i>Journal of Structural Biology</i> , 2020, 212, 107607.	1.3	20
62	Localization of Annexin A6 in Matrix Vesicles During Physiological Mineralization. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1367.	1.8	20
63	Inorganic pyrophosphate-phosphohydrolytic activity associated with rat osseous plate alkaline phosphatase. <i>Cellular and Molecular Biology</i> , 1998, 44, 293-302.	0.3	20
64	Conidial alkaline phosphatase from <i>Neurospora crassa</i> . <i>Phytochemistry</i> , 1996, 41, 71-75.	1.4	19
65	Erythrocyte ghost cell-alkaline phosphatase: construction and characterization of a vesicular system for use in biomineralization studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1567, 183-192.	1.4	19
66	A 100 kDa vanadate and lansoprazole-sensitive ATPase from <i>Streptococcus mutans</i> membrane. <i>Archives of Oral Biology</i> , 2003, 48, 815-824.	0.8	19
67	Kinetic characterization of P-type membrane ATPase from <i>Streptococcus mutans</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 140, 589-597.	0.7	19
68	Amazonian biodiversity: a view of drug development for Leishmaniasis and malaria. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, .	0.6	19
69	The Use of PAMAM Dendrimers as a Platform for Laccase Immobilization: Kinetic Characterization of the Enzyme. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 1854-1864.	1.4	19
70	Electrochemical characterization of methanol/O ₂ biofuel cell: Use of laccase biocathode immobilized with polypyrrole film and PAMAM dendrimers. <i>Electrochimica Acta</i> , 2013, 90, 90-94.	2.6	19
71	Multi and single walled carbon nanotubes: effects on cell responses and biomineralization of osteoblasts cultures. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 62.	1.7	19
72	Triton X-100 solubilized bone matrix-induced alkaline phosphatase. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1987, 87, 921-926.	0.2	18

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73	Effect of calcium ions on rat osseous plate alkaline phosphatase activity. <i>Journal of Inorganic Biochemistry</i> , 1997, 68, 123-127.	1.5	18
74	Allosteric modulation of pyrophosphatase activity of rat osseous plate alkaline phosphatase by magnesium ions. <i>International Journal of Biochemistry and Cell Biology</i> , 1998, 30, 89-97.	1.2	18
75	Epidermal Growth Factor in Liposomes May Enhance Osteoclast Recruitment during Tooth Movement in Rats. <i>Angle Orthodontist</i> , 2008, 78, 604-609.	1.1	18
76	Antileishmanial activity of 3-(3,4,5-trimethoxyphenyl) propanoic acid purified from Amazonian <i>Piper tuberculatum</i> Jacq., Piperaceae, fruits. <i>Revista Brasileira De Farmacognosia</i> , 2010, 20, 1003-1006.	0.6	18
77	Kinetic characterization of a membrane-specific ATPase from rat osseous plate and its possible significance on endochondral ossification. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1368, 108-114.	1.4	17
78	Use of visible light-based photodynamic therapy to bacterial photoinactivation. <i>Biochemistry and Molecular Biology Education</i> , 2005, 33, 46-49.	0.5	17
79	Lipid microenvironment affects the ability of proteoliposomes harboring TNAP to induce mineralization without nucleators. <i>Journal of Bone and Mineral Metabolism</i> , 2019, 37, 607-613.	1.3	17
80	Phosphotransferase activity associated with rat osseous plate alkaline phosphatase: a possible role in biomineralization. <i>International Journal of Biochemistry & Cell Biology</i> , 1992, 24, 1391-1396.	0.8	16
81	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
82	Kinetic characterization of Na,K-ATPase from rabbit outer renal medulla: properties of the ($\alpha\beta$) ₂ dimer. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 135, 539-549.	0.7	16
83	The importance of cyclic structure for Labaditin on its antimicrobial activity against <i>Staphylococcus aureus</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 453-459.	2.5	16
84	Bioinspired architecture of a hybrid bifunctional enzymatic/organic electrocatalyst for complete ethanol oxidation. <i>Bioelectrochemistry</i> , 2019, 130, 107331.	2.4	16
85	Effects of GPI-anchored TNAP on the dynamic structure of model membranes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26295-26301.	1.3	15
86	Nanobiotechnologic approach to a promising vaccine prototype for immunisation against leishmaniasis: a fast and effective method to incorporate GPI-anchored proteins of <i>Leishmania amazonensis</i> into liposomes. <i>Journal of Microencapsulation</i> , 2015, 32, 143-150.	1.2	15
87	Pendant-drop method coupled to ultraviolet-visible spectroscopy: A useful tool to investigate interfacial phenomena. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 305-311.	2.3	15
88	Synthesis of Sr ²⁺ -morin complex and its <i>in vitro</i> response: decrease in osteoclast differentiation while sustaining osteoblast mineralization ability. <i>Journal of Materials Chemistry B</i> , 2019, 7, 823-829.	2.9	15
89	Lipid composition modulates ATP hydrolysis and calcium phosphate mineral propagation by TNAP-harboring proteoliposomes. <i>Archives of Biochemistry and Biophysics</i> , 2020, 691, 108482.	1.4	15
90	Polyoxyethylene 9-lauryl ether-solubilized alkaline phosphatase: Synergistic stimulation by zinc and magnesium ions. <i>International Journal of Biochemistry & Cell Biology</i> , 1992, 24, 611-615.	0.8	14

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91	A practical approach to the choice of a suitable detergent and optimal conditions for solubilizing a membrane protein. <i>Biochemical Education</i> , 2000, 28, 178-182.	0.1	14
92	Mimetic Membrane System to Carry Multiple Antigenic Proteins from <i>Leishmania amazonensis</i> . <i>Journal of Membrane Biology</i> , 2006, 210, 173-181.	1.0	14
93	Na,K-ATPase reconstituted in ternary liposome: The presence of cholesterol affects protein activity and thermal stability. <i>Archives of Biochemistry and Biophysics</i> , 2014, 564, 136-141.	1.4	14
94	A simple laboratory experiment to demonstrate the interaction of proteins bearing glycosylphosphatidylinositol anchors with liposomes. <i>Biochemical Education</i> , 1999, 27, 41-44.	0.1	13
95	The β -galactosyl derivatives of ganglioside GD1b are essential for the organization of lipid rafts in RBL-2H3 mast cells. <i>Experimental Cell Research</i> , 2008, 314, 2515-2528.	1.2	13
96	Lipid microspheres loaded with antigenic membrane proteins of the <i>Leishmania amazonensis</i> as a potential biotechnology application. <i>Journal of Colloid and Interface Science</i> , 2009, 340, 112-118.	5.0	13
97	Bio-inspired synthesis of hybrid tube-like structures based on CaCO_3 and type I-collagen. <i>RSC Advances</i> , 2016, 6, 90509-90515.	1.7	13
98	Topographical and mechanical properties of liposome surfaces harboring Na,K-ATPase by means of atomic force microscopy. <i>Soft Matter</i> , 2019, 15, 2737-2745.	1.2	13
99	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
100	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
101	Interaction of 10-(octyloxy) decyl-2-(trimethylammonium) ethyl phosphate with mimetic membranes and cytotoxic effect on leukemic cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1714-1723.	1.4	12
102	Dependence of divalent metal ions on phosphotransferase activity of osseous plate alkaline phosphatase. <i>Journal of Inorganic Biochemistry</i> , 1997, 66, 51-55.	1.5	11
103	A practical approach to the choice of a suitable detergent and optimal conditions for solubilizing a membrane protein. <i>Biochemical Education</i> , 2000, 28, 178-182.	0.1	11
104	Using a classical method of vitamin C quantification as a tool for discussion of its role in the body. <i>Biochemistry and Molecular Biology Education</i> , 2001, 29, 110-114.	0.5	11
105	Kinetics behaviors of Na,K-ATPase: Comparison of solubilized and DPPC:DPPE-liposome reconstituted enzyme. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006, 142, 309-316.	1.3	11
106	Digital Image Analysis to Standardize a Photometric Method in Colorimetric Quantification. <i>Instrumentation Science and Technology</i> , 2007, 36, 97-104.	0.9	11
107	Incorporation of antigenic GPI-proteins from <i>Leishmania amazonensis</i> to membrane mimetic systems: Influence of DPPC/cholesterol ratio. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 373-379.	5.0	11
108	Liposomes loaded with <i>P. falciparum</i> merozoite-derived proteins are highly immunogenic and produce invasion-inhibiting and anti-toxin antibodies. <i>Journal of Controlled Release</i> , 2015, 217, 121-127.	4.8	11

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109	Cholesterol Regulates the Incorporation and Catalytic Activity of Tissue-Nonspecific Alkaline Phosphatase in DPPC Monolayers. <i>Langmuir</i> , 2019, 35, 15232-15241.	1.6	11
110	Overview on solubilization and lipid reconstitution of Na,K-ATPase: enzyme kinetic and biophysical characterization. <i>Biophysical Reviews</i> , 2020, 12, 49-64.	1.5	11
111	Amazonian biodiversity: a view of drug development for leishmaniasis and malaria. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1944-1944.	0.6	11
112	Rat osseous plate alkaline phosphatase: mechanism of action of manganese ions. <i>BioMetals</i> , 1995, 8, 86-91.	1.8	10
113	Rose Bengal located within liposome do not affect the activity of inside-out oriented Na,K-ATPase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1715, 96-103.	1.4	10
114	Biostimulation of Na,K-ATPase by low-energy laser irradiation (685nm, 35mW): Comparative effects in membrane, solubilized and DPPC:DPPE-liposome reconstituted enzyme. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 89, 22-28.	1.7	10
115	Use of proteoliposome as a vaccine against <i>Trypanosoma cruzi</i> in mice. <i>Chemistry and Physics of Lipids</i> , 2008, 152, 86-94.	1.5	10
116	Addition of subunit \hat{F}_3 , K ⁺ ions, and lipid restores the thermal stability of solubilized Na,K-ATPase. <i>Archives of Biochemistry and Biophysics</i> , 2013, 530, 93-100.	1.4	10
117	Different compact hybrid Langmuir-Blodgett film coatings modify biomineralization and the ability of osteoblasts to grow. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2524-2534.	1.6	10
118	Collagen-supported CaCO ₃ cylindrical particles enhance Ti bioactivity. <i>Surface and Coatings Technology</i> , 2019, 358, 858-864.	2.2	10
119	Cytoplasmatic domain of Na,K-ATPase \hat{F}_1 -subunit is responsible for the aggregation of the enzyme in proteoliposomes. <i>Biophysical Chemistry</i> , 2010, 146, 36-41.	1.5	9
120	Lipid-mediated growth of SrCO ₃ /CaCO ₃ hybrid films as bioactive coatings for Ti surfaces. <i>Materials Science and Engineering C</i> , 2019, 99, 762-769.	3.8	9
121	Toluene permeabilization differentially affects F- and P-type ATPase activities present in the plasma membrane of <i>Streptococcus mutans</i> . <i>Brazilian Journal of Medical and Biological Research</i> , 2008, 41, 1047-1053.	0.7	9
122	Effect of pH on the modulation of rat osseous plate alkaline phosphatase by metal ions. <i>International Journal of Biochemistry & Cell Biology</i> , 1992, 24, 923-928.	0.8	8
123	Fermentable and non-fermentable sugars: A simple experiment of anaerobic metabolism. <i>Biochemistry and Molecular Biology Education</i> , 2003, 31, 180-184.	0.5	8
124	Unraveling the Na,K-ATPase \hat{F}_4 Subunit Assembling Induced by Large Amounts of C ₁₂ E ₈ by Means of Small-Angle X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11371-11376.	1.2	8
125	Multimeric species in equilibrium in detergent-solubilized Na,K-ATPase. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 238-245.	3.6	8
126	Forensic Investigation of Formaldehyde in Illicit Products for Hair Treatment by $\langle \text{DAD} \rangle$ and $\langle \text{HPLC} \rangle$: A Case Study. <i>Journal of Forensic Sciences</i> , 2016, 61, 1122-1125.	0.9	8

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127	Is alkaline phosphatase biomimetically immobilized on titanium able to propagate the biomineralization process?. Archives of Biochemistry and Biophysics, 2019, 663, 192-198.	1.4	8
128	Cinnamic acid derived compounds loaded into liposomes: antileishmanial activity, production standardisation and characterisation. Journal of Microencapsulation, 2015, 32, 467-477.	1.2	7
129	Discondroplasia tibial: mecanismos de lesão e controle. Brazilian Journal of Poultry Science, 2002, 4, 169-186.	0.3	7
130	Curcumin-loaded carrageenan nanoparticles: Fabrication, characterization, and assessment of the effects on osteoblasts mineralization. Colloids and Surfaces B: Biointerfaces, 2022, 217, 112622.	2.5	7
131	Mechanism of action of cobalt ions on rat osseous plate alkaline phosphatase. Journal of Inorganic Biochemistry, 1995, 60, 155-162.	1.5	6
132	Using a classical method of vitamin C quantification as a tool for discussion of its role in the body. Biochemistry and Molecular Biology Education, 2001, 29, 110-114.	0.5	6
133	Interaction of cyclic and linear Labaditin peptides with anionic and zwitterionic micelles. Journal of Colloid and Interface Science, 2015, 438, 39-46.	5.0	6
134	Defective Multilayer Carbon Nanotubes Increase Alkaline Phosphatase Activity and Bone-Like Nodules in Osteoblast Cultures. Journal of Nanoscience and Nanotechnology, 2016, 16, 1437-1444.	0.9	6
135	Three-dimensional cell-laden collagen scaffolds: From biochemistry to bone bioengineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 967-983.	1.6	6
136	Ultrasensitive Diamond Microelectrode Application in the Detection of Ca ²⁺ Transport by AnnexinA5-Containing Nanostructured Liposomes. Biosensors, 2022, 12, 525.	2.3	6
137	Merozoite-Protein Loaded Liposomes Protect against Challenge in Two Murine Models of Plasmodium Infection. ACS Biomaterials Science and Engineering, 2016, 2, 2276-2286.	2.6	5
138	Interface-driven Sr-morin complexation at Langmuir monolayers for bioactive coating design. Colloids and Surfaces B: Biointerfaces, 2019, 181, 856-863.	2.5	5
139	Characterization of the in Vitro Osteogenic Response to Submicron TiO ₂ Particles of Varying Structure and Crystallinity. ACS Omega, 2020, 5, 16491-16501.	1.6	5
140	Fabrication and characterization of a bioactive poly(methylmethacrylate)-based porous cement loaded with strontium/calcium apatite nanoparticles. Journal of Biomedical Materials Research - Part A, 2022, 110, 812-826.	2.1	5
141	The functional role of soluble proteins acquired by extracellular vesicles. , 2022, 1, .		5
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