Pietro Ciancaglini

List of Publications by Year
in descending order

167 papers	3,595 citations	159585 30 h-index	214800 47 g-index
168 all docs	168 docs citations	168 times ranked	4105 citing authors

#	Article	IF	Citations
1	Biomedical applications of nanotechnology. Biophysical Reviews, 2017, 9, 79-89.	3.2	280
2	Matrix vesicles from chondrocytes and osteoblasts: Their biogenesis, properties, functions and biomimetic models. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 532-546.	2.4	131
3	Kinetic analysis of substrate utilization by native and TNAP-, NPP1-, or PHOSPHO1-deficient matrix vesicles. Journal of Bone and Mineral Research, 2010, 25, 716-723.	2.8	118
4	Use of hand held photopolymerizer to photoinactivate Streptococcus mutans. Archives of Oral Biology, 2005, 50, 353-359.	1.8	85
5	Biosensors for Efficient Diagnosis of Leishmaniasis: Innovations in Bioanalytics for a Neglected Disease. Analytical Chemistry, 2010, 82, 9763-9768.	6.5	66
6	Phosphodiesterase activity is a novel property of alkaline phosphatase from osseous plate. Biochemical Journal, 1994, 301, 517-522.	3.7	65
7	Photodynamic Therapy in Planktonic and Biofilm Cultures of Aggregatibacter actinomycetemcomitans. Photomedicine and Laser Surgery, 2010, 28, S-53-S-60.	2.0	64
8	Catalytic Signature of a Heat-Stable, Chimeric Human Alkaline Phosphatase with Therapeutic Potential. PLoS ONE, 2014, 9, e89374.	2.5	61
9	Construction of an alkaline phosphataseâ€"liposome system: a tool for biomineralization study. International Journal of Biochemistry and Cell Biology, 2002, 34, 1091-1101.	2.8	59
10	Using Capacitance Measurements as the Detection Method in Antigen-Containing Layer-by-Layer Films for Biosensing. Analytical Chemistry, 2007, 79, 2163-2167.	6.5	59
11	Antimicrobial peptides from Phyllomedusa frogs: from biomolecular diversity to potential nanotechnologic medical applications. Amino Acids, 2011, 40, 29-49.	2.7	53
12	Biophysical aspects of biomineralization. Biophysical Reviews, 2017, 9, 747-760.	3.2	50
13	Proteoliposomes Harboring Alkaline Phosphatase and Nucleotide Pyrophosphatase as Matrix Vesicle Biomimetics. Journal of Biological Chemistry, 2010, 285, 7598-7609.	3.4	49
14	Calcium carbonate hybrid coating promotes the formation of biomimetic hydroxyapatite on titanium surfaces. Applied Surface Science, 2016, 370, 459-468.	6.1	49
15	Characterization of the phosphatidylinositol-specific phospholipase C-released form of rat osseous plate alkaline phosphatase and its possible significance on endochondral ossification. Molecular and Cellular Biochemistry, 1995, 152, 121-129.	3.1	48
16	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
17	Comparative Study of Methylene Blue and Erythrosine Dyes Employed in Photodynamic Therapy for Inactivation of Planktonic and Biofilm-Cultivated Aggregatibacter actinomycetemcomitans. Photomedicine and Laser Surgery, 2010, 28, S-85-S-90.	2.0	42
18	Na,K-ATPase reconstituted in liposomes: effects of lipid composition on hydrolytic activity and enzyme orientation. Colloids and Surfaces B: Biointerfaces, 2005, 41, 239-248.	5.0	41

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19	Contribution of matrix vesicles and alkaline phosphatase to ectopic bone formation. Brazilian Journal of Medical and Biological Research, 2006, 39, 603-610.	1.5	41
20	Human mitochondrial pyruvate carrier 2 as an autonomous membrane transporter. Scientific Reports, 2018, 8, 3510.	3.3	39
21	Liposomal-lupane system as alternative chemotherapy against cutaneous leishmaniasis: Macrophage as target cell. Experimental Parasitology, 2013, 135, 337-343.	1.2	37
22	Liposomal systems as carriers for bioactive compounds. Biophysical Reviews, 2015, 7, 391-397.	3.2	37
23	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
24	Local delivery of EGFâ€“liposome mediated bone modeling in orthodontic tooth movement by increasing RANKL expression. Life Sciences, 2009, 85, 693-699.	4.3	34
25	Development of nanostructured bioanodes containing dendrimers and dehydrogenases enzymes for application in ethanol biofuel cells. Biosensors and Bioelectronics, 2011, 26, 2922-2926.	10.1	34
26	Proteoliposomes in nanobiotechnology. Biophysical Reviews, 2012, 4, 67-81.	3.2	34
27	The effect of cholesterol on the reconstitution of alkaline phosphatase into liposomes. Biophysical Chemistry, 2010, 152, 74-79.	2.8	33
28	Effects of pH on the Production of Phosphate and Pyrophosphate by Matrix Vesiclesâ€™ Biomimetics. Calcified Tissue International, 2013, 93, 222-232.	3.1	32
29	Membrane-bound alkaline phosphatase from ectopic mineralization and rat bone marrow cell culture. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 146, 679-687.	1.8	31
30	Formation of carbonated hydroxyapatite films on metallic surfaces using dihexadecyl phosphateâ€“LB film as template. Colloids and Surfaces B: Biointerfaces, 2014, 118, 31-40.	5.0	31
31	Topographic analysis by atomic force microscopy of proteoliposomes matrix vesicle mimetics harboring TNAP and AnxA5. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1911-1920.	2.6	31
32	Biomimetic collagen/phospholipid coatings improve formation of hydroxyapatite nanoparticles on titanium. Materials Science and Engineering C, 2017, 77, 102-110.	7.3	31
33	Solubilization of Na,K-ATPase from rabbit kidney outer medulla using only C12E8. Brazilian Journal of Medical and Biological Research, 2002, 35, 277-288.	1.5	29
34	The Effect of Photosensitizer Drugs and Light Stimulation on Osteoblast Growth. Photomedicine and Laser Surgery, 2011, 29, 699-705.	2.0	29
35	Development of novel bioanodes for ethanol biofuel cell using PAMAM dendrimers as matrix for enzyme immobilization. Biosensors and Bioelectronics, 2011, 26, 2675-2679.	10.1	29
36	Culture of osteogenic cells from human alveolar bone: A useful source of alkaline phosphatase. Cell Biology International, 2007, 31, 1405-1413.	3.0	28

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37	Strontium Calcium Phosphate Nanotubes as Bioinspired Building Blocks for Bone Regeneration. ACS Applied Materials & Interfaces, 2020, 12, 43422-43434.	8.0	28
38	Lipid composition-dependent incorporation of multiple membrane proteins into liposomes. Colloids and Surfaces B: Biointerfaces, 2004, 36, 127-137.	5.0	27
39	The kinetic behavior of dehydrogenase enzymes in solution and immobilized onto nanostructured carbon platforms. Process Biochemistry, 2011, 46, 2347-2352.	3.7	26
40	Disrupting membrane raft domains by alkylphospholipids. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1384-1389.	2.6	26
41	Effect of the presence of cholesterol in the interfacial microenvironment on the modulation of the alkaline phosphatase activity during in vitro mineralization. Colloids and Surfaces B: Biointerfaces, 2017, 155, 466-476.	5.0	26
42	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
43	Effects of a Mixture of Growth Factors and Proteins on the Development of the Osteogenic Phenotype in Human Alveolar Bone Cell Cultures. Journal of Histochemistry and Cytochemistry, 2008, 56, 629-638.	2.5	25
44	Treatment With a Growth Factorâ€"Protein Mixture Inhibits Formation of Mineralized Nodules in Osteogenic Cell Cultures Grown on Titanium. Journal of Histochemistry and Cytochemistry, 2009, 57, 265-276.	2.5	25
45	Photodynamic Therapy with Rose Bengal Induces GroEL Expression inStreptococcus mutans. Photomedicine and Laser Surgery, 2010, 28, S-79-S-84.	2.0	25
46	Thermodynamic properties and characterization of proteoliposomes rich in microdomains carrying alkaline phosphatase. Biophysical Chemistry, 2011, 158, 111-118.	2.8	25
47	Ferrocene Entrapped In Polypyrrole Film and PAMAM Dendrimers as Matrix for Mediated Glucose/O2 Biofuel Cell. Electrochimica Acta, 2014, 136, 52-58.	5.2	25
48	Graphene oxide and titanium: synergistic effects on the biomineralization ability of osteoblast cultures. Journal of Materials Science: Materials in Medicine, 2016, 27, 71.	3.6	25
49	Quantitative atomic force microscopy provides new insight into matrix vesicle mineralization. Archives of Biochemistry and Biophysics, 2019, 667, 14-21.	3.0	25
50	Proteoliposomes as matrix vesicles' biomimetics to study the initiation of skeletal mineralization. Brazilian Journal of Medical and Biological Research, 2010, 43, 234-241.	1.5	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. Molecular and Cellular Proteomics, 2012, 11, 1898-1912.	3.8	24
52	Nanopharmaceutical Approach of Epiisopiloturine Alkaloid Carried in Liposome System: Preparation and <I>In Vitro</I> Schistosomicidal Activity. Journal of Nanoscience and Nanotechnology, 2014, 14, 4519-4528.	0.9	24
53	Proteoliposomes with the ability to transport Ca2+ into the vesicles and hydrolyze phosphosubstrates on their surface. Archives of Biochemistry and Biophysics, 2015, 584, 79-89.	3.0	24
54	Estrogen and phenol red free medium for osteoblast culture: study of the mineralization ability. Cytotechnology, 2016, 68, 1623-1632.	1.6	24

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55	ENZYPLOT: A microcomputer assisted program for teaching enzyme kinetics. Biochemical Education, 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. Amino Acids, 2011, 40, 135-144.	2.7	22
57	Matrix vesicle biomimetics harboring Annexin A5 and alkaline phosphatase bind to the native collagen matrix produced by mineralizing vascular smooth muscle cells. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129629.	2.4	22
58	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
59	Using multidimensional projection techniques for reaching a high distinguishing ability in biosensing. Analytical and Bioanalytical Chemistry, 2011, 400, 1153-9.	3.7	20
60	Dermaseptin 01 as antimicrobial peptide with rich biotechnological potential: study of peptide interaction with membranes containing Leishmania amazonensis lipidâ€rich extract and membrane models. Journal of Peptide Science, 2011, 17, 700-707.	1.4	20
61	Phosphatidylserine controls calcium phosphate nucleation and growth on lipid monolayers: A physicochemical understanding of matrix vesicle-driven biomineralization. Journal of Structural Biology, 2020, 212, 107607.	2.8	20
62	Localization of Annexin A6 in Matrix Vesicles During Physiological Mineralization. International Journal of Molecular Sciences, 2020, 21, 1367.	4.1	20
63	Inorganic pyrophosphate-phosphohydrolytic activity associated with rat osseous plate alkaline phosphatase. Cellular and Molecular Biology, 1998, 44, 293-302.	0.9	20
64	Conidial alkaline phosphatase from Neurospora crassa. Phytochemistry, 1996, 41, 71-75.	2.9	19
65	Erythrocyte ghost cellâ€"alkaline phosphatase: construction and characterization of a vesicular system for use in biomineralization studies. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1567, 183-192.	2.6	19
66	A 100 kDa vanadate and lanzoprazole-sensitive ATPase from Streptococcus mutans membrane. Archives of Oral Biology, 2003, 48, 815-824.	1.8	19
67	Kinetic characterization of P-type membrane ATPase from Streptococcus mutans. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 140, 589-597.	1.6	19
68	Amazonian biodiversity: a view of drug development for Leishmaniasis and malaria. Journal of the Brazilian Chemical Society, 2009, 20, .	0.6	19
69	The Use of PAMAM Dendrimers as a Platform for Laccase Immobilization: Kinetic Characterization of the Enzyme. Applied Biochemistry and Biotechnology, 2012, 167, 1854-1864.	2.9	19
70	Electrochemical characterization of methanol/O2 biofuel cell: Use of laccase biocathode immobilized with polypyrrole film and PAMAM dendrimers. Electrochimica Acta, 2013, 90, 90-94.	5.2	19
71	Multi and single walled carbon nanotubes: effects on cell responses and biomineralization of osteoblasts cultures. Journal of Materials Science: Materials in Medicine, 2016, 27, 62.	3.6	19
72	Triton X-100 solubilized bone matrix-induced alkaline phosphatase. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1987, 87, 921-926.	0.2	18

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73	Effect of calcium ions on rat osseous plate alkaline phosphatase activity. Journal of Inorganic Biochemistry, 1997, 68, 123-127.	3.5	18
74	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
75	Epidermal Growth Factor in Liposomes May Enhance Osteoclast Recruitment during Tooth Movement in Rats. Angle Orthodontist, 2008, 78, 604-609.	2.4	18
76	Antileishmanial activity of 3-(3,4,5-trimethoxyphenyl) propanoic acid purified from Amazonian Piper tuberculatum Jacq., Piperaceae, fruits. Revista Brasileira De Farmacognosia, 2010, 20, 1003-1006.	1.4	18
77	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
78	Use of visible light-based photodynamic therapy to bacterial photoinactivation. Biochemistry and Molecular Biology Education, 2005, 33, 46-49.	1.2	17
79	Lipid microenvironment affects the ability of proteoliposomes harboring TNAP to induce mineralization without nucleators. Journal of Bone and Mineral Metabolism, 2019, 37, 607-613.	2.7	17
80	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
81	Influence of enzyme conformational changes on catalytic activity investigated by circular dichroism spectroscopy. Biochemistry and Molecular Biology Education, 2003, 31, 329-332.	1.2	16
82	Kinetic characterization of Na,K-ATPase from rabbit outer renal medulla: properties of the (Î±Î²)2 dimer. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 135, 539-549.	1.6	16
83	The importance of cyclic structure for Labaditin on its antimicrobial activity against Staphylococcus aureus. Colloids and Surfaces B: Biointerfaces, 2016, 148, 453-459.	5.0	16
84	Bioinspired architecture of a hybrid bifunctional enzymatic/organic electrocatalyst for complete ethanol oxidation. Bioelectrochemistry, 2019, 130, 107331.	4.6	16
85	Effects of GPI-anchored TNAP on the dynamic structure of model membranes. Physical Chemistry Chemical Physics, 2015, 17, 26295-26301.	2.8	15
86	Nanobiotechnologic approach to a promising vaccine prototype for immunisation against leishmaniasis: a fast and effective method to incorporate GPI-anchored proteins ofLeishmania amazonensisinto liposomes. Journal of Microencapsulation, 2015, 32, 143-150.	2.8	15
87	Pendant-drop method coupled to ultraviolet-visible spectroscopy: A useful tool to investigate interfacial phenomena. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 504, 305-311.	4.7	15
88	Synthesis of Srâ€"morin complex and its in vitro response: decrease in osteoclast differentiation while sustaining osteoblast mineralization ability. Journal of Materials Chemistry B, 2019, 7, 823-829.	5.8	15
89	Lipid composition modulates ATP hydrolysis and calcium phosphate mineral propagation by TNAP-harboring proteoliposomes. Archives of Biochemistry and Biophysics, 2020, 691, 108482.	3.0	15
90	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

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91	A practical approach to the choice of a suitable detergent and optimal conditions for solubilizing a membrane protein. Biochemical Education, 2000, 28, 178-182.	0.1	14
92	Mimetic Membrane System to Carry Multiple Antigenic Proteins from Leishmania amazonensis. Journal of Membrane Biology, 2006, 210, 173-181.	2.1	14
93	Na,K-ATPase reconstituted in ternary liposome: The presence of cholesterol affects protein activity and thermal stability. Archives of Biochemistry and Biophysics, 2014, 564, 136-141.	3.0	14
94	A simple laboratory experiment to demonstrate the interaction of proteins bearing glycosylphosphatidylinositol anchors with liposomes. Biochemical Education, 1999, 27, 41-44.	0.1	13
95	The Î±-galactosyl derivatives of ganglioside GD1b are essential for the organization of lipid rafts in RBL-2H3 mast cells. Experimental Cell Research, 2008, 314, 2515-2528.	2.6	13
96	Lipid microspheres loaded with antigenic membrane proteins of the Leishmania amazonensis as a potential biotechnology application. Journal of Colloid and Interface Science, 2009, 340, 112-118.	9.4	13
97	Bio-inspired synthesis of hybrid tube-like structures based on CaCO₃ and type I-collagen. RSC Advances, 2016, 6, 90509-90515.	3.6	13
98	Topographical and mechanical properties of liposome surfaces harboring Na,K-ATPase by means of atomic force microscopy. Soft Matter, 2019, 15, 2737-2745.	2.7	13
99	Lipid Bilayer Stabilization of the Na,K-ATPase Reconstituted in DPPC/DPPE Liposomes. Cell Biochemistry and Biophysics, 2006, 44, 438-445.	1.8	12
100	The association of Na,K-ATPase subunits studied by circular dichroism, surface tension and dilatational elasticity. Journal of Colloid and Interface Science, 2008, 325, 478-484.	9.4	12
101	Interaction of 10-(octyloxy) decyl-2-(trimethylammonium) ethyl phosphate with mimetic membranes and cytotoxic effect on leukemic cells. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1714-1723.	2.6	12
102	Dependence of divalent metal ions on phosphotransferase activity of osseous plate alkaline phosphatase. Journal of Inorganic Biochemistry, 1997, 66, 51-55.	3.5	11
103	A practical approach to the choice of a suitable detergent and optimal conditions for solubilizing a membrane protein. Biochemical Education, 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. Biochemistry and Molecular Biology Education, 2001, 29, 110-114.	1.2	11
105	Kinetics behaviors of Na,K-ATPase: Comparison of solubilized and DPPC:DPPE-liposome reconstituted enzyme. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 142, 309-316.	2.6	11
106	Digital Image Analysis to Standardize a Photometric Method in Colorimetric Quantification. Instrumentation Science and Technology, 2007, 36, 97-104.	1.8	11
107	Incorporation of antigenic GPI-proteins from Leishmania amazonensis to membrane mimetic systems: Influence of DPPC/cholesterol ratio. Journal of Colloid and Interface Science, 2009, 333, 373-379.	9.4	11
108	Liposomes loaded with P. falciparum merozoite-derived proteins are highly immunogenic and produce invasion-inhibiting and anti-toxin antibodies. Journal of Controlled Release, 2015, 217, 121-127.	9.9	11

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109	Cholesterol Regulates the Incorporation and Catalytic Activity of Tissue-Nonspecific Alkaline Phosphatase in DPPC Monolayers. Langmuir, 2019, 35, 15232-15241.	3.5	11
110	Overview on solubilization and lipid reconstitution of Na,K-ATPase: enzyme kinetic and biophysical characterization. Biophysical Reviews, 2020, 12, 49-64.	3.2	11
111	Amazonian biodiversity: a view of drug development for leishmaniasis and malaria. Journal of the Brazilian Chemical Society, 2009, 20, 1944-1944.	0.6	11
112	Rat osseous plate alkaline phosphatase: mechanism of action of manganese ions. BioMetals, 1995, 8, 86-91.	4.1	10
113	Rose Bengal located within liposome do not affect the activity of inside-out oriented Na,K-ATPase. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1715, 96-103.	2.6	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. Journal of Photochemistry and Photobiology B: Biology, 2007, 89, 22-28.	3.8	10
115	Use of proteoliposome as a vaccine against Trypanosoma cruzi in mice. Chemistry and Physics of Lipids, 2008, 152, 86-94.	3.2	10
116	Addition of subunit Î³, K+ ions, and lipid restores the thermal stability of solubilized Na,K-ATPase. Archives of Biochemistry and Biophysics, 2013, 530, 93-100.	3.0	10
117	Different compact hybrid Langmuirâ€“Blodgettâ€film coatings modify biomineralization and the ability of osteoblasts to grow. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2524-2534.	3.4	10
118	Collagen-supported CaCO3 cylindrical particles enhance Ti bioactivity. Surface and Coatings Technology, 2019, 358, 858-864.	4.8	10
119	Cytoplasmatic domain of Na,K-ATPase Î±-subunit is responsible for the aggregation of the enzyme in proteoliposomes. Biophysical Chemistry, 2010, 146, 36-41.	2.8	9
120	Lipid-mediated growth of SrCO3/CaCO3 hybrid films as bioactive coatings for Ti surfaces. Materials Science and Engineering C, 2019, 99, 762-769.	7.3	9
121	Toluene permeabilization differentially affects F- and P-type ATPase activities present in the plasma membrane of Streptococcus mutans. Brazilian Journal of Medical and Biological Research, 2008, 41, 1047-1053.	1.5	9
122	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
123	Fermentable and non-fermentable sugars: A simple experiment of anaerobic metabolism. Biochemistry and Molecular Biology Education, 2003, 31, 180-184.	1.2	8
124	Unraveling the Na,K-ATPase Î±₄ Subunit Assembling Induced by Large Amounts of C₁₂E₈ by Means of Small-Angle X-ray Scattering. Journal of Physical Chemistry B, 2010, 114, 11371-11376.	2.6	8
125	Multimeric species in equilibrium in detergent-solubilized Na,K-ATPase. International Journal of Biological Macromolecules, 2016, 89, 238-245.	7.5	8
126	Forensic Investigation of Formaldehyde in Illicit Products for Hair Treatment by <scp>DAD</scp>â€<scp>HPLC</scp>: A Case Study. Journal of Forensic Sciences, 2016, 61, 1122-1125.	1.6	8

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127	Is alkaline phosphatase biomimeticaly immobilized on titanium able to propagate the biomineralization process?. Archives of Biochemistry and Biophysics, 2019, 663, 192-198.	3.0	8
128	Cinnamic acid derived compounds loaded into liposomes: antileishmanial activity, production standardisation and characterisation. Journal of Microencapsulation, 2015, 32, 467-477.	2.8	7
129	Discondroplasia tibial: mecanismos de lesÃ£o e controle. Brazilian Journal of Poultry Science, 2002, 4, 169-186.	0.7	7
130	Curcumin-loaded carrageenan nanoparticles: Fabrication, characterization, and assessment of the effects on osteoblasts mineralization. Colloids and Surfaces B: Biointerfaces, 2022, 217, 112622.	5.0	7
131	Mechanism of action of cobalt ions on rat osseous plate alkaline phosphatase. Journal of Inorganic Biochemistry, 1995, 60, 155-162.	3.5	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.	1.2	6
133	Interaction of cyclic and linear Labaditin peptides with anionic and zwitterionic micelles. Journal of Colloid and Interface Science, 2015, 438, 39-46.	9.4	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	Threeâ€dimensional cellâ€laden collagen scaffolds: From biochemistry to bone bioengineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 967-983.	3.4	6
136	Ultrasensitive Diamond Microelectrode Application in the Detection of Ca2+ Transport by AnnexinA5-Containing Nanostructured Liposomes. Biosensors, 2022, 12, 525.	4.7	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.	5.2	5
138	Interface-driven Sr-morin complexation at Langmuir monolayers for bioactive coating design. Colloids and Surfaces B: Biointerfaces, 2019, 181, 856-863.	5.0	5
139	Characterization of the in Vitro Osteogenic Response to Submicron TiO₂ Particles of Varying Structure and Crystallinity. ACS Omega, 2020, 5, 16491-16501.	3.5	5
140	Fabrication and characterization of a bioactive <scp>p</scp>olymethylmethacrylateâ€based porous cement loaded with strontium/calcium apatite nanoparticles. Journal of Biomedical Materials Research - Part A, 2022, 110, 812-826.	4.0	5
141	The functional role of soluble proteins acquired by extracellular vesicles. , 2022, 1, .		5
142	Synthesis of Antibacterial Hybrid Hydroxyapatite/Collagen/Polysaccharide Bioactive Membranes and Their Effect on Osteoblast Culture. International Journal of Molecular Sciences, 2022, 23, 7277.	4.1	5
143	The lipid raft protein NTAL participates in AKT signaling in mantle cell lymphoma. Leukemia and Lymphoma, 2019, 60, 2658-2668.	1.3	4
144	Entropyâ€driven binding of octyl gallate in albumin: Failure in the application of temperature effect to distinguish dynamic and static fluorescence quenching. Journal of Molecular Recognition, 2020, 33, e2840.	2.1	4

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145	Surface Wettability of a Natural Rubber Composite under Stretching: A Model to Predict Cell Survival. Langmuir, 2021, 37, 4639-4646.	3.5	4
146	Effect of Zn(II) and Mg(II) on phosphohydrolytic activity of rat matrix-induced alkaline phosphatase. , 1989, 35, 503-10.		4
147	Kinetic characteristics of some inhibitors of matrix-induced alkaline phosphatase. , 1987, 33, 625-35.		4
148	Osseous plate alkaline phosphatase is anchored by GPI. Brazilian Journal of Medical and Biological Research, 1994, 27, 453-6.	1.5	4
149	MSc Biotechnology degree in South Africa. Biochemical Education, 1999, 27, 37-40.	0.1	3
150	A simple method for immunodetection of membrane-associated proteins. Biochemistry and Molecular Biology Education, 2000, 28, 256-260.	1.2	3
151	The effect of carbon source and fluoride concentrations in thestreptococcus mutans biofilm formation. Biochemistry and Molecular Biology Education, 2004, 32, 331-335.	1.2	3
152	Blood droplets on functionalized surfaces: Chemical, roughness and superhydrophobic effects. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 574, 188-196.	4.7	3
153	Research Article A Xanthomonas citri subsp citri hypothetical protein related to virulence contains a non-functional HD domain and is implicated in flagellar motility.. Genetics and Molecular Research, 2017, 16, .	0.2	2
154	Assessment of neuropharmacological potential of low molecular weight components extracted from Rhinella schneideri toad poison. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2019, 25, e148418.	1.4	2
155	Kinetic properties of Triton X-100 solubilized bone matrix induced alkaline phosphatase. , 1988, 34, 553-62.		2
156	Fluorescence evidence of annexin A6 translocation across membrane in model matrix vesicles during apatite formation. , 2022, 1, .		2
157	Thermal annealing of natural rubber films controls wettability and enhances cytocompatibility. Surfaces and Interfaces, 2022, 31, 102048.	3.0	2
158	A simple method for immunodetection of membraneâ€associated proteins. Biochemistry and Molecular Biology Education, 2000, 28, 256-260.	1.2	1
159	The adaptive response to ambient pH inNeurospora crassa: Contribution of a model organism to the elucidation of gene expression in eukaryotes. Biochemistry and Molecular Biology Education, 2002, 30, 192-195.	1.2	1
160	Langmuir monolayers and proteoliposomes as models of matrix vesicles involved in biomineralization. Biophysical Reviews, 2021, 13, 893-895.	3.2	1
161	Use of molecular dynamics data in biochemistry courses. Biochemistry and Molecular Biology Education, 2008, 36, 129-134.	1.2	0
162	On the Interaction of Large Amounts of C12E8 on Na,K-ATPase Alpha Subunits: A Small Angle X-Ray Scattering Study. Biophysical Journal, 2011, 100, 382a.	0.5	0

#	Article	IF	Citations
163	Action Mechanism of ODPC in Giants Unilamellar Vesicles as Observed by Optical Microscopy. Biophysical Journal, 2012, 102, 404a-405a.	0.5	0
164	Matrix vesicles' biomimetic systems: Effect of pH on the regulation of phosphate production by physiological substrates hydrolysis. Bone, 2012, 50, S69.	2.9	0
165	Biophysics in Latin America. Biophysical Reviews, 2017, 9, 459-460.	3.2	0
166	LAT2, a Lipid Raft Protein That Participates in AKT Phosphorylation in Mantle Cell Lymphoma, Is a Target for Perifosine Chemotherapy. Blood, 2014, 124, 923-923.	1.4	0
167	Comparative Studies of Carbon Nanotubes: Implications for Alkaline Phosphatase Activity and Mineralized Matrix in Osteoblasts Cultures. Journal of Nanoscience and Nanotechnology, 2016, 16, 9487-9496.	0.9	0