Pietro Ciancaglini

List of Publications by Year in Descending Order

156 papers	2,758 citations	27 h-index	40 g-index
168 ext. papers	3,150 ext. citations	4 avg, IF	4.93 L-index

#	Paper	IF	Citations
156	The functional role of soluble proteins acquired by extracellular vesicles **2022**, 1,		0
155	Thermal annealing of natural rubber films controls wettability and enhances cytocompatibility. *Surfaces and Interfaces*, **2022**, 102048	4.1	0
154	Langmuir monolayers and proteoliposomes as models of matrix vesicles involved in biomineralization.. *Biophysical Reviews*, **2021**, 13, 893-895	3.7	0
153	Surface Wettability of a Natural Rubber Composite under Stretching: A Model to Predict Cell Survival. *Langmuir*, **2021**, 37, 4639-4646	4	1
152	Localization of Annexin A6 in Matrix Vesicles During Physiological Mineralization. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
151	Entropy-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	2.6	2
150	Overview on solubilization and lipid reconstitution of Na,K-ATPase: enzyme kinetic and biophysical characterization. *Biophysical Reviews*, **2020**, 12, 49-64	3.7	2
149	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	4	9
148	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	3.4	7
147	Lipid composition modulates ATP hydrolysis and calcium phosphate mineral propagation by TNAP-harboring proteoliposomes. *Archives of Biochemistry and Biophysics*, **2020**, 691, 108482	4.1	6
146	Characterization of the in Vitro Osteogenic Response to Submicron TiO Particles of Varying Structure and Crystallinity. *ACS Omega*, **2020**, 5, 16491-16501	3.9	2
145	Strontium Calcium Phosphate Nanotubes as Bioinspired Building Blocks for Bone Regeneration. *ACS Applied Materials & Interfaces*, **2020**, 12, 43422-43434	9.5	11
144	Is alkaline phosphatase biomimeticaly immobilized on titanium able to propagate the biomineralization process?. *Archives of Biochemistry and Biophysics*, **2019**, 663, 192-198	4.1	3
143	Synthesis of Sr-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	7.3	9
142	Interface-driven Sr-morin complexation at Langmuir monolayers for bioactive coating design. *Colloids and Surfaces B: Biointerfaces*, **2019**, 181, 856-863	6	3
141	Assessment of neuropharmacological potential of low molecular weight components extracted from toad poison. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, **2019**, 25, e148418	2.2	0
140	The lipid raft protein NTAL participates in AKT signaling in mantle cell lymphoma. *Leukemia and Lymphoma*, **2019**, 60, 2658-2668	1.9	2

139	Quantitative atomic force microscopy provides new insight into matrix vesicle mineralization. *Archives of Biochemistry and Biophysics*, **2019**, 667, 14-21	4.1	10
138	Blood droplets on functionalized surfaces: Chemical, roughness and superhydrophobic effects. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 574, 188-196	5.1	1
137	Topographical and mechanical properties of liposome surfaces harboring Na,K-ATPase by means of atomic force microscopy. *Soft Matter*, **2019**, 15, 2737-2745	3.6	7
136	Lipid-mediated growth of SrCO/CaCO hybrid films as bioactive coatings for Ti surfaces. *Materials Science and Engineering C*, **2019**, 99, 762-769	8.3	4
135	Bioinspired architecture of a hybrid bifunctional enzymatic/organic electrocatalyst for complete ethanol oxidation. *Bioelectrochemistry*, **2019**, 130, 107331	5.6	11
134	Cholesterol Regulates the Incorporation and Catalytic Activity of Tissue-Nonspecific Alkaline Phosphatase in DPPC Monolayers. *Langmuir*, **2019**, 35, 15232-15241	4	9
133	Lipid microenvironment affects the ability of proteoliposomes harboring TNAP to induce mineralization without nucleators. *Journal of Bone and Mineral Metabolism*, **2019**, 37, 607-613	2.9	9
132	Collagen-supported CaCO3 cylindrical particles enhance Ti bioactivity. *Surface and Coatings Technology*, **2019**, 358, 858-864	4.4	4
131	Human mitochondrial pyruvate carrier 2 as an autonomous membrane transporter. *Scientific Reports*, **2018**, 8, 3510	4.9	26
130	Different compact hybrid Langmuir-Blodgett-film coatings modify biomineralization and the ability of osteoblasts to grow. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2018**, 106, 2524-2534	3.5	6
129	Matrix vesicles from chondrocytes and osteoblasts: Their biogenesis, properties, functions and biomimetic models. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 532-546	4	67
128	Biomedical applications of nanotechnology. *Biophysical Reviews*, **2017**, 9, 79-89	3.7	199
127	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	6	17
126	Topographic analysis by atomic force microscopy of proteoliposomes matrix vesicle mimetics harboring TNAP and AnxA5. *Biochimica Et Biophysica Acta - Biomembranes*, **2017**, 1859, 1911-1920	3.8	19
125	Biomimetic collagen/phospholipid coatings improve formation of hydroxyapatite nanoparticles on titanium. *Materials Science and Engineering C*, **2017**, 77, 102-110	8.3	22
124	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,	1.2	2
123	Biophysical aspects of biomineralization. *Biophysical Reviews*, **2017**, 9, 747-760	3.7	27
122	Bio-inspired synthesis of hybrid tube-like structures based on CaCO3 and type I-collagen. *RSC Advances*, **2016**, 6, 90509-90515	3.7	11

121	Merozoite-Protein Loaded Liposomes Protect against Challenge in Two Murine Models of Infection. *ACS Biomaterials Science and Engineering*, **2016**, 2, 2276-2286	5.5	5
120	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	3.1	11
119	Forensic Investigation of Formaldehyde in Illicit Products for Hair Treatment by DAD-HPLC: A Case Study. *Journal of Forensic Sciences*, **2016**, 61, 1122-1125	1.8	7
118	Estrogen and phenol red free medium for osteoblast culture: study of the mineralization ability. *Cytotechnology*, **2016**, 68, 1623-32	2.2	14
117	Calcium carbonate hybrid coating promotes the formation of biomimetic hydroxyapatite on titanium surfaces. *Applied Surface Science*, **2016**, 370, 459-468	6.7	38
116	Graphene oxide and titanium: synergistic effects on the biomineralization ability of osteoblast cultures. *Journal of Materials Science: Materials in Medicine*, **2016**, 27, 71	4.5	18
115	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	4.5	14
114	Multimeric species in equilibrium in detergent-solubilized Na,K-ATPase. *International Journal of Biological Macromolecules*, **2016**, 89, 238-45	7.9	6
113	Defective Multilayer Carbon Nanotubes Increase Alkaline Phosphatase Activity and Bone-Like Nodules in Osteoblast Cultures. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 1437-44	1.3	5
112	The importance of cyclic structure for Labaditin on its antimicrobial activity against Staphylococcus aureus. *Colloids and Surfaces B: Biointerfaces*, **2016**, 148, 453-459	6	11
111	Effects of GPI-anchored TNAP on the dynamic structure of model membranes. *Physical Chemistry Chemical Physics*, **2015**, 17, 26295-301	3.6	9
110	Proteoliposomes with the ability to transport Ca(2+) into the vesicles and hydrolyze phosphosubstrates on their surface. *Archives of Biochemistry and Biophysics*, **2015**, 584, 79-89	4.1	18
109	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, 121-7	11.7	11
108	Interaction of cyclic and linear Labaditin peptides with anionic and zwitterionic micelles. *Journal of Colloid and Interface Science*, **2015**, 438, 39-46	9.3	5
107	Nanobiotechnologic approach to a promising vaccine prototype for immunisation against leishmaniasis: a fast and effective method to incorporate GPI-anchored proteins of Leishmania amazonensis into liposomes. *Journal of Microencapsulation*, **2015**, 32, 143-50	3.4	14
106	Cinnamic acid derived compounds loaded into liposomes: antileishmanial activity, production standardisation and characterisation. *Journal of Microencapsulation*, **2015**, 32, 467-77	3.4	5
105	Liposomal systems as carriers for bioactive compounds. *Biophysical Reviews*, **2015**, 7, 391-397	3.7	30
104	Formation of carbonated hydroxyapatite films on metallic surfaces using dihexadecyl phosphate-LB film as template. *Colloids and Surfaces B: Biointerfaces*, **2014**, 118, 31-40	6	23

103	Na,K-ATPase reconstituted in ternary liposome: the presence of cholesterol affects protein activity and thermal stability. *Archives of Biochemistry and Biophysics*, **2014**, 564, 136-41	4.1	12
102	Ferrocene Entrapped In Polypyrrole Film and PAMAM Dendrimers as Matrix for Mediated Glucose/O2 Biofuel Cell. *Electrochimica Acta*, **2014**, 136, 52-58	6.7	21
101	Catalytic signature of a heat-stable, chimeric human alkaline phosphatase with therapeutic potential. *PLoS ONE*, **2014**, 9, e89374	3.7	45
100	Nanopharmaceutical approach of epiisopiloturine alkaloid carried in liposome system: preparation and in vitro schistosomicidal activity. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 4519-28	1.3	19
99	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	2.2	
98	Effects of pH on the production of phosphate and pyrophosphate by matrix vesicles□biomimetics. *Calcified Tissue International*, **2013**, 93, 222-32	3.9	25
97	Liposomal-lupane system as alternative chemotherapy against cutaneous leishmaniasis: macrophage as target cell. *Experimental Parasitology*, **2013**, 135, 337-43	2.1	28
96	Disrupting membrane raft domains by alkylphospholipids. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 1384-9	3.8	22
95	Electrochemical characterization of methanol/O2 biofuel cell: Use of laccase biocathode immobilized with polypyrrole film and PAMAM dendrimers. *Electrochimica Acta*, **2013**, 90, 90-94	6.7	15
94	Addition of subunit □K+ ions, and lipid restores the thermal stability of solubilized Na,K-ATPase. *Archives of Biochemistry and Biophysics*, **2013**, 530, 93-100	4.1	10
93	Proteoliposomes in nanobiotechnology. *Biophysical Reviews*, **2012**, 4, 67-81	3.7	26
92	The use of PAMAM dendrimers as a platform for laccase immobilization: kinetic characterization of the enzyme. *Applied Biochemistry and Biotechnology*, **2012**, 167, 1854-64	3.2	16
91	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, 1898-912	7.6	22
90	The effect of photosensitizer drugs and light stimulation on osteoblast growth. *Photomedicine and Laser Surgery*, **2011**, 29, 699-705		20
89	The kinetic behavior of dehydrogenase enzymes in solution and immobilized onto nanostructured carbon platforms. *Process Biochemistry*, **2011**, 46, 2347-2352	4.8	19
88	Antimicrobial peptides from Phyllomedusa frogs: from biomolecular diversity to potential nanotechnologic medical applications. *Amino Acids*, **2011**, 40, 29-49	3.5	45
87	Labaditin, a cyclic peptide with rich biotechnological potential: preliminary toxicological studies and structural changes in water and lipid membrane environment. *Amino Acids*, **2011**, 40, 135-44	3.5	19
86	Using multidimensional projection techniques for reaching a high distinguishing ability in biosensing. *Analytical and Bioanalytical Chemistry*, **2011**, 400, 1153-9	4.4	17

85	Development of nanostructured bioanodes containing dendrimers and dehydrogenases enzymes for application in ethanol biofuel cells. *Biosensors and Bioelectronics*, **2011**, 26, 2922-6	11.8	28
84	Dermaseptin 01 as antimicrobial peptide with rich biotechnological potential: study of peptide interaction with membranes containing Leishmania amazonensis lipid-rich extract and membrane models. *Journal of Peptide Science*, **2011**, 17, 700-7	2.1	19
83	Development of novel bioanodes for ethanol biofuel cell using PAMAM dendrimers as matrix for enzyme immobilization. *Biosensors and Bioelectronics*, **2011**, 26, 2675-9	11.8	24
82	Thermodynamic properties and characterization of proteoliposomes rich in microdomains carrying alkaline phosphatase. *Biophysical Chemistry*, **2011**, 158, 111-8	3.5	20
81	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	2	14
80	Photodynamic therapy with rose bengal induces GroEL expression in Streptococcus mutans. *Photomedicine and Laser Surgery*, **2010**, 28 Suppl 1, S79-84		23
79	Proteoliposomes harboring alkaline phosphatase and nucleotide pyrophosphatase as matrix vesicle biomimetics. *Journal of Biological Chemistry*, **2010**, 285, 7598-609	5.4	42
78	Unraveling the Na,K-ATPase alpha(4) subunit assembling induced by large amounts of C(12)E(8) by means of small-angle X-ray scattering. *Journal of Physical Chemistry B*, **2010**, 114, 11371-6	3.4	8
77	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, 1714-23	3.8	10
76	Photodynamic therapy in planktonic and biofilm cultures of Aggregatibacter actinomycetemcomitans. *Photomedicine and Laser Surgery*, **2010**, 28 Suppl 1, S53-60		54
75	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 Suppl 1, S85-90		34
74	Kinetic analysis of substrate utilization by native and TNAP-, NPP1-, or PHOSPHO1-deficient matrix vesicles. *Journal of Bone and Mineral Research*, **2010**, 25, 716-23	6.3	83
73	Proteoliposomes as matrix vesicles biomimetics to study the initiation of skeletal mineralization. *Brazilian Journal of Medical and Biological Research*, **2010**, 43, 234-41	2.8	19
72	Biosensors for efficient diagnosis of leishmaniasis: innovations in bioanalytics for a neglected disease. *Analytical Chemistry*, **2010**, 82, 9763-8	7.8	49
71	Cytoplasmatic domain of Na,K-ATPase alpha-subunit is responsible for the aggregation of the enzyme in proteoliposomes. *Biophysical Chemistry*, **2010**, 146, 36-41	3.5	9
70	The effect of cholesterol on the reconstitution of alkaline phosphatase into liposomes. *Biophysical Chemistry*, **2010**, 152, 74-9	3.5	30
69	Amazonian biodiversity: a view of drug development for Leishmaniasis and malaria. *Journal of the Brazilian Chemical Society*, **2009**, 20,	1.5	13
68	Treatment with a growth factor-protein mixture inhibits formation of mineralized nodules in osteogenic cell cultures grown on titanium. *Journal of Histochemistry and Cytochemistry*, **2009**, 57, 265-76	3.4	23

67	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, 373-9	9.3	10
66	Lipid microspheres loaded with antigenic membrane proteins of the Leishmania amazonensis as a potential biotechnology application. *Journal of Colloid and Interface Science*, **2009**, 340, 112-8	9.3	13
65	Local delivery of EGF-liposome mediated bone modeling in orthodontic tooth movement by increasing RANKL expression. *Life Sciences*, **2009**, 85, 693-9	6.8	27
64	Amazonian biodiversity: a view of drug development for leishmaniasis and malaria. *Journal of the Brazilian Chemical Society*, **2009**, 20, 1944-1944	1.5	11
63	The alpha-galactosyl derivatives of ganglioside GD(1b) are essential for the organization of lipid rafts in RBL-2H3 mast cells. *Experimental Cell Research*, **2008**, 314, 2515-28	4.2	11
62	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, 629-38	3.4	18
61	Epidermal growth factor in liposomes may enhance osteoclast recruitment during tooth movement in rats. *Angle Orthodontist*, **2008**, 78, 604-9	2.6	11
60	Use of proteoliposome as a vaccine against Trypanosoma cruzi in mice. *Chemistry and Physics of Lipids*, **2008**, 152, 86-94	3.7	10
59	Use of molecular dynamics data in biochemistry courses: An amphipathy scale to determine protein α-helix transmembrane segments. *Biochemistry and Molecular Biology Education*, **2008**, 36, 129-34	1.3	
58	The association of Na,K-ATPase subunits studied by circular dichroism, surface tension and dilatational elasticity. *Journal of Colloid and Interface Science*, **2008**, 325, 478-84	9.3	11
57	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, 1047-53	2.8	8
56	Digital Image Analysis to Standardize a Photometric Method in Colorimetric Quantification. *Instrumentation Science and Technology*, **2007**, 36, 97-104	1.4	9
55	Using capacitance measurements as the detection method in antigen-containing layer-by-layer films for biosensing. *Analytical Chemistry*, **2007**, 79, 2163-7	7.8	52
54	Culture of osteogenic cells from human alveolar bone: a useful source of alkaline phosphatase. *Cell Biology International*, **2007**, 31, 1405-13	4.5	23
53	Biostimulation of Na,K-ATPase by low-energy laser irradiation (685 nm, 35 mW): comparative effects in membrane, solubilized and DPPC:DPPE-liposome reconstituted enzyme. *Journal of Photochemistry and Photobiology B: Biology*, **2007**, 89, 22-8	6.7	9
52	Membrane-bound alkaline phosphatase from ectopic mineralization and rat bone marrow cell culture. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2007**, 146, 679-87	2.6	28
51	Mimetic membrane system to carry multiple antigenic proteins from Leishmania amazonensis. *Journal of Membrane Biology*, **2006**, 210, 173-81	2.3	14
50	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	3.2	10

49	Contribution of matrix vesicles and alkaline phosphatase to ectopic bone formation. *Brazilian Journal of Medical and Biological Research*, **2006**, 39, 603-10	2.8	36
48	Lipid bilayer stabilization of the Na,K-ATPase reconstituted in DPPC/DPPE liposomes. *Cell Biochemistry and Biophysics*, **2006**, 44, 438-45	3.2	10
47	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	3.8	9
46	Kinetic characterization of P-type membrane ATPase from Streptococcus mutans. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2005**, 140, 589-97	2.3	14
45	Na,K-ATPase reconstituted in liposomes: effects of lipid composition on hydrolytic activity and enzyme orientation. *Colloids and Surfaces B: Biointerfaces*, **2005**, 41, 239-48	6	38
44	Use of hand held photopolymerizer to photoinactivate Streptococcus mutans. *Archives of Oral Biology*, **2005**, 50, 353-9	2.8	80
43	Use of visible light-based photodynamic therapy to bacterial photoinactivation. *Biochemistry and Molecular Biology Education*, **2005**, 33, 46-9	1.3	17
42	The effect of carbon source and fluoride concentrations in the streptococcus mutans biofilm formation*. *Biochemistry and Molecular Biology Education*, **2004**, 32, 331-5	1.3	1
41	Lipid composition-dependent incorporation of multiple membrane proteins into liposomes. *Colloids and Surfaces B: Biointerfaces*, **2004**, 36, 127-37	6	26
40	A 100 kDa vanadate and lanzoprazole-sensitive ATPase from Streptococcus mutans membrane. *Archives of Oral Biology*, **2003**, 48, 815-24	2.8	16
39	Fermentable and non-fermentable sugars: A simple experiment of anaerobic metabolism. *Biochemistry and Molecular Biology Education*, **2003**, 31, 180-184	1.3	6
38	Influence of enzyme conformational changes on catalytic activity investigated by circular dichroism spectroscopy. *Biochemistry and Molecular Biology Education*, **2003**, 31, 329-332	1.3	11
37	Kinetic characterization of Na,K-ATPase from rabbit outer renal medulla: properties of the (alpha beta)(2) dimer. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2003**, 135, 539-49	2.3	14
36	Solubilization of Na,K-ATPase from rabbit kidney outer medulla using only C12E8. *Brazilian Journal of Medical and Biological Research*, **2002**, 35, 277-88	2.8	28
35	The adaptive response to ambient pH in Neurospora crassa: Contribution of a model organism to the elucidation of gene expression in eukaryotes. *Biochemistry and Molecular Biology Education*, **2002**, 30, 192-195	1.3	1
34	Erythrocyte ghost cell-alkaline phosphatase: construction and characterization of a vesicular system for use in biomineralization studies. *Biochimica Et Biophysica Acta - Biomembranes*, **2002**, 1567, 183-92	3.8	16
33	Construction of an alkaline phosphatase-liposome system: a tool for biomineralization study. *International Journal of Biochemistry and Cell Biology*, **2002**, 34, 1091-101	5.6	50
32	Discondroplasia tibial: mecanismos de lesão e controle. *Brazilian Journal of Poultry Science*, **2002**, 4, 169-186	0.9	6

31	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	1.3	7
30	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	1.3	3
29	A practical approach to the choice of a suitable detergent and optimal conditions for solubilizing a membrane protein. *Biochemical Education*, **2000**, 28, 178-182		14
28	A simple method for immunodetection of membrane-associated proteins. *Biochemistry and Molecular Biology Education*, **2000**, 28, 256-260	1.3	1
27	A simple method for immunodetection of membrane-associated proteins. *Biochemistry and Molecular Biology Education*, **2000**, 28, 256-260	1.3	3
26	A practical approach to the choice of a suitable detergent and optimal conditions for solubilizing a membrane protein. *Biochemical Education*, **2000**, 28, 178-182		11
25	MSc Biotechnology degree in South Africa. *Biochemical Education*, **1999**, 27, 37-40		3
24	A simple laboratory experiment to demonstrate the interaction of proteins bearing glycosylphosphatidylinositol anchors with liposomes. *Biochemical Education*, **1999**, 27, 41-44		11
23	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	5.6	18
22	Kinetic characterization of a membrane-specific ATPase from rat osseous plate and its possible significance on endochodral ossification. *Biochimica Et Biophysica Acta - Biomembranes*, **1998**, 1368, 108-14	3.8	17
21	Inorganic pyrophosphate-phosphohydrolytic activity associated with rat osseous plate alkaline phosphatase. *Cellular and Molecular Biology*, **1998**, 44, 293-302	1.1	18
20	Dependence of divalent metal ions on phosphotransferase activity of osseous plate alkaline phosphatase. *Journal of Inorganic Biochemistry*, **1997**, 66, 51-5	4.2	9
19	Effect of calcium ions on rat osseous plate alkaline phosphatase activity. *Journal of Inorganic Biochemistry*, **1997**, 68, 123-7	4.2	13
18	Conidial alkaline phosphatase from Neurospora crassa. *Phytochemistry*, **1996**, 41, 71-5	4	18
17	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, 121-9	4.2	45
16	Rat osseous plate alkaline phosphatase: mechanism of action of manganese ions. *BioMetals*, **1995**, 8, 86-91	3.4	9
15	ENZYPLOT: A microcomputer assisted program for teaching enzyme kinetics. *Biochemical Education* , **1995**, 23, 35-37		22
14	Mechanism of action of cobalt ions on rat osseous plate alkaline phosphatase. *Journal of Inorganic Biochemistry*, **1995**, 60, 155-62	4.2	6

13	Phosphodiesterase activity is a novel property of alkaline phosphatase from osseous plate. *Biochemical Journal*, **1994**, 301 (Pt 2), 517-22	3.8	58
12	Osseous plate alkaline phosphatase is anchored by GPI. *Brazilian Journal of Medical and Biological Research*, **1994**, 27, 453-6	2.8	4
11	Allosteric modulation by ATP, calcium and magnesium ions of rat osseous plate alkaline phosphatase. *BBA - Proteins and Proteomics*, **1993**, 1202, 22-8		19
10	Phosphotransferase activity associated with rat osseous plate alkaline phosphatase: a possible role in biomineralization. *International Journal of Biochemistry & Cell Biology*, **1992**, 24, 1391-6		15
9	Effect of pH on the modulation of rat osseous plate alkaline phosphatase by metal ions. *International Journal of Biochemistry & Cell Biology*, **1992**, 24, 923-8		8
8	Polyoxyethylene 9-lauryl ether-solubilized alkaline phosphatase: synergistic stimulation by zinc and magnesium ions. *International Journal of Biochemistry & Cell Biology*, **1992**, 24, 611-5		13
7	Alkaline phosphatase from rat osseous plates: purification and biochemical characterization of a soluble form. *Biochimica Et Biophysica Acta - General Subjects*, **1991**, 1074, 256-62	4	36
6	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, 747-51		23
5	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, 385-92		32
4	Effect of Zn(II) and Mg(II) on phosphohydrolytic activity of rat matrix-induced alkaline phosphatase **1989**, 35, 503-10		4
3	Kinetic properties of Triton X-100 solubilized bone matrix induced alkaline phosphatase **1988**, 34, 553-62		2
2	Triton X-100 solubilized bone matrix-induced alkaline phosphatase. *Comparative Biochemistry and Physiology Part B: Comparative Biochemistry*, **1987**, 87, 921-6		15
1	Kinetic characteristics of some inhibitors of matrix-induced alkaline phosphatase **1987**, 33, 625-35		4