

Pietro Ciancaglini

List of Publications by Citations

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|--------------------|-------------------------|---------------|-----------------|
| 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 | Biomedical applications of nanotechnology. <i>Biophysical Reviews</i> , 2017 , 9, 79-89 | 3.7 | 199 |
| 155 | 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, 716-23 | 6.3 | 83 |
| 154 | Use of hand held photopolymerizer to photoinactivate <i>Streptococcus mutans</i> . <i>Archives of Oral Biology</i> , 2005 , 50, 353-9 | 2.8 | 80 |
| 153 | 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 | 4 | 67 |
| 152 | Phosphodiesterase activity is a novel property of alkaline phosphatase from osseous plate. <i>Biochemical Journal</i> , 1994 , 301 (Pt 2), 517-22 | 3.8 | 58 |
| 151 | Photodynamic therapy in planktonic and biofilm cultures of <i>Aggregatibacter actinomycetemcomitans</i> . <i>Photomedicine and Laser Surgery</i> , 2010 , 28 Suppl 1, S53-60 | | 54 |
| 150 | Using capacitance measurements as the detection method in antigen-containing layer-by-layer films for biosensing. <i>Analytical Chemistry</i> , 2007 , 79, 2163-7 | 7.8 | 52 |
| 149 | Construction of an alkaline phosphatase-liposome system: a tool for biomineralization study. <i>International Journal of Biochemistry and Cell Biology</i> , 2002 , 34, 1091-101 | 5.6 | 50 |
| 148 | Biosensors for efficient diagnosis of leishmaniasis: innovations in bioanalytics for a neglected disease. <i>Analytical Chemistry</i> , 2010 , 82, 9763-8 | 7.8 | 49 |
| 147 | Catalytic signature of a heat-stable, chimeric human alkaline phosphatase with therapeutic potential. <i>PLoS ONE</i> , 2014 , 9, e89374 | 3.7 | 45 |
| 146 | Antimicrobial peptides from <i>Phyllomedusa</i> frogs: from biomolecular diversity to potential nanotechnologic medical applications. <i>Amino Acids</i> , 2011 , 40, 29-49 | 3.5 | 45 |
| 145 | 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, 121-9 | 4.2 | 45 |
| 144 | Proteoliposomes harboring alkaline phosphatase and nucleotide pyrophosphatase as matrix vesicle biomimetics. <i>Journal of Biological Chemistry</i> , 2010 , 285, 7598-609 | 5.4 | 42 |
| 143 | Calcium carbonate hybrid coating promotes the formation of biomimetic hydroxyapatite on titanium surfaces. <i>Applied Surface Science</i> , 2016 , 370, 459-468 | 6.7 | 38 |
| 142 | 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, 239-48 | 6 | 38 |
| 141 | Contribution of matrix vesicles and alkaline phosphatase to ectopic bone formation. <i>Brazilian Journal of Medical and Biological Research</i> , 2006 , 39, 603-10 | 2.8 | 36 |
| 140 | Alkaline phosphatase from rat osseous plates: purification and biochemical characterization of a soluble form. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991 , 1074, 256-62 | 4 | 36 |

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|-----|--|------|----|
| 139 | 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 Suppl 1, S85-90 | | 34 |
| 138 | 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, 385-92 | | 32 |
| 137 | Liposomal systems as carriers for bioactive compounds. <i>Biophysical Reviews</i> , 2015 , 7, 391-397 | 3.7 | 30 |
| 136 | The effect of cholesterol on the reconstitution of alkaline phosphatase into liposomes. <i>Biophysical Chemistry</i> , 2010 , 152, 74-9 | 3.5 | 30 |
| 135 | Liposomal-lupane system as alternative chemotherapy against cutaneous leishmaniasis: macrophage as target cell. <i>Experimental Parasitology</i> , 2013 , 135, 337-43 | 2.1 | 28 |
| 134 | Development of nanostructured bioanodes containing dendrimers and dehydrogenases enzymes for application in ethanol biofuel cells. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2922-6 | 11.8 | 28 |
| 133 | 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, 679-87 | 2.6 | 28 |
| 132 | Solubilization of Na,K-ATPase from rabbit kidney outer medulla using only C12E8. <i>Brazilian Journal of Medical and Biological Research</i> , 2002 , 35, 277-88 | 2.8 | 28 |
| 131 | Biophysical aspects of biomineralization. <i>Biophysical Reviews</i> , 2017 , 9, 747-760 | 3.7 | 27 |
| 130 | Local delivery of EGF-liposome mediated bone modeling in orthodontic tooth movement by increasing RANKL expression. <i>Life Sciences</i> , 2009 , 85, 693-9 | 6.8 | 27 |
| 129 | Human mitochondrial pyruvate carrier 2 as an autonomous membrane transporter. <i>Scientific Reports</i> , 2018 , 8, 3510 | 4.9 | 26 |
| 128 | Proteoliposomes in nanobiotechnology. <i>Biophysical Reviews</i> , 2012 , 4, 67-81 | 3.7 | 26 |
| 127 | Lipid composition-dependent incorporation of multiple membrane proteins into liposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 36, 127-37 | 6 | 26 |
| 126 | Effects of pH on the production of phosphate and pyrophosphate by matrix vesicles. <i>Calcified Tissue International</i> , 2013 , 93, 222-32 | 3.9 | 25 |
| 125 | Development of novel bioanodes for ethanol biofuel cell using PAMAM dendrimers as matrix for enzyme immobilization. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2675-9 | 11.8 | 24 |
| 124 | Formation of carbonated hydroxyapatite films on metallic surfaces using dihexadecyl phosphate-LB film as template. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 118, 31-40 | 6 | 23 |
| 123 | Photodynamic therapy with rose bengal induces GroEL expression in <i>Streptococcus mutans</i> . <i>Photomedicine and Laser Surgery</i> , 2010 , 28 Suppl 1, S79-84 | | 23 |
| 122 | Treatment with a growth factor-protein mixture inhibits formation of mineralized nodules in osteogenic cell cultures grown on titanium. <i>Journal of Histochemistry and Cytochemistry</i> , 2009 , 57, 265-76 | 3.4 | 23 |

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|-----|--|-----|----|
| 121 | Culture of osteogenic cells from human alveolar bone: a useful source of alkaline phosphatase. <i>Cell Biology International</i> , 2007 , 31, 1405-13 | 4.5 | 23 |
| 120 | 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, 747-51 | | 23 |
| 119 | Biomimetic collagen/phospholipid coatings improve formation of hydroxyapatite nanoparticles on titanium. <i>Materials Science and Engineering C</i> , 2017 , 77, 102-110 | 8.3 | 22 |
| 118 | Disrupting membrane raft domains by alkylphospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1384-9 | 3.8 | 22 |
| 117 | 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, 1898-912 | 7.6 | 22 |
| 116 | ENZYLOT: A microcomputer assisted program for teaching enzyme kinetics. <i>Biochemical Education</i> , 1995 , 23, 35-37 | | 22 |
| 115 | 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 | 6.7 | 21 |
| 114 | The effect of photosensitizer drugs and light stimulation on osteoblast growth. <i>Photomedicine and Laser Surgery</i> , 2011 , 29, 699-705 | | 20 |
| 113 | Thermodynamic properties and characterization of proteoliposomes rich in microdomains carrying alkaline phosphatase. <i>Biophysical Chemistry</i> , 2011 , 158, 111-8 | 3.5 | 20 |
| 112 | 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 | 3.8 | 19 |
| 111 | Nanopharmaceutical approach of epiisopiloturine alkaloid carried in liposome system: preparation and in vitro schistosomicidal activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 4519-28 | 1.3 | 19 |
| 110 | The kinetic behavior of dehydrogenase enzymes in solution and immobilized onto nanostructured carbon platforms. <i>Process Biochemistry</i> , 2011 , 46, 2347-2352 | 4.8 | 19 |
| 109 | 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, 135-44 | 3.5 | 19 |
| 108 | Dermaseptin 01 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, 700-7 | 2.1 | 19 |
| 107 | Proteoliposomes as matrix vesicles/biomimetics to study the initiation of skeletal mineralization. <i>Brazilian Journal of Medical and Biological Research</i> , 2010 , 43, 234-41 | 2.8 | 19 |
| 106 | Allosteric modulation by ATP, calcium and magnesium ions of rat osseous plate alkaline phosphatase. <i>BBA - Proteins and Proteomics</i> , 1993 , 1202, 22-8 | | 19 |
| 105 | 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 | 4.1 | 18 |
| 104 | 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 | 4.5 | 18 |

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| 103 | 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 | 5.6 | 18 |
| 102 | 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, 629-38 | 3.4 | 18 |
| 101 | Conidial alkaline phosphatase from <i>Neurospora crassa</i> . <i>Phytochemistry</i> , 1996 , 41, 71-5 | 4 | 18 |
| 100 | Inorganic pyrophosphate-phosphohydrolytic activity associated with rat osseous plate alkaline phosphatase. <i>Cellular and Molecular Biology</i> , 1998 , 44, 293-302 | 1.1 | 18 |
| 99 | 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 | 6 | 17 |
| 98 | Using multidimensional projection techniques for reaching a high distinguishing ability in biosensing. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 1153-9 | 4.4 | 17 |
| 97 | 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 | 3.8 | 17 |
| 96 | Use of visible light-based photodynamic therapy to bacterial photoinactivation. <i>Biochemistry and Molecular Biology Education</i> , 2005 , 33, 46-9 | 1.3 | 17 |
| 95 | The use of PAMAM dendrimers as a platform for laccase immobilization: kinetic characterization of the enzyme. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 1854-64 | 3.2 | 16 |
| 94 | A 100 kDa vanadate and lansoprazole-sensitive ATPase from <i>Streptococcus mutans</i> membrane. <i>Archives of Oral Biology</i> , 2003 , 48, 815-24 | 2.8 | 16 |
| 93 | 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, 183-92 | 3.8 | 16 |
| 92 | 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 | 6.7 | 15 |
| 91 | Phosphotransferase activity associated with rat osseous plate alkaline phosphatase: a possible role in biomineralization. <i>International Journal of Biochemistry & Cell Biology</i> , 1992 , 24, 1391-6 | | 15 |
| 90 | Triton X-100 solubilized bone matrix-induced alkaline phosphatase. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1987 , 87, 921-6 | | 15 |
| 89 | 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, 143-50 | 3.4 | 14 |
| 88 | Estrogen and phenol red free medium for osteoblast culture: study of the mineralization ability. <i>Cytotechnology</i> , 2016 , 68, 1623-32 | 2.2 | 14 |
| 87 | 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 | 4.5 | 14 |
| 86 | 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 | 2 | 14 |

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| 85 | Mimetic membrane system to carry multiple antigenic proteins from <i>Leishmania amazonensis</i> . <i>Journal of Membrane Biology</i> , 2006 , 210, 173-81 | 2.3 | 14 |
| 84 | 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, 589-97 | 2.3 | 14 |
| 83 | 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, 539-49 | 2.3 | 14 |
| 82 | 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 | | 14 |
| 81 | Amazonian biodiversity: a view of drug development for Leishmaniasis and malaria. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, | 1.5 | 13 |
| 80 | 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, 112-8 | 9.3 | 13 |
| 79 | Effect of calcium ions on rat osseous plate alkaline phosphatase activity. <i>Journal of Inorganic Biochemistry</i> , 1997 , 68, 123-7 | 4.2 | 13 |
| 78 | Polyoxyethylene 9-lauryl ether-solubilized alkaline phosphatase: synergistic stimulation by zinc and magnesium ions. <i>International Journal of Biochemistry & Cell Biology</i> , 1992 , 24, 611-5 | | 13 |
| 77 | 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, 136-41 | 4.1 | 12 |
| 76 | 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, 121-7 | 11.7 | 11 |
| 75 | Bio-inspired synthesis of hybrid tube-like structures based on CaCO ₃ and type I-collagen. <i>RSC Advances</i> , 2016 , 6, 90509-90515 | 3.7 | 11 |
| 74 | 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 | 5.1 | 11 |
| 73 | Bioinspired architecture of a hybrid bifunctional enzymatic/organic electrocatalyst for complete ethanol oxidation. <i>Bioelectrochemistry</i> , 2019 , 130, 107331 | 5.6 | 11 |
| 72 | The alpha-galactosyl derivatives of ganglioside GD(1b) are essential for the organization of lipid rafts in RBL-2H3 mast cells. <i>Experimental Cell Research</i> , 2008 , 314, 2515-28 | 4.2 | 11 |
| 71 | Epidermal growth factor in liposomes may enhance osteoclast recruitment during tooth movement in rats. <i>Angle Orthodontist</i> , 2008 , 78, 604-9 | 2.6 | 11 |
| 70 | 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, 478-84 | 9.3 | 11 |
| 69 | Influence of enzyme conformational changes on catalytic activity investigated by circular dichroism spectroscopy. <i>Biochemistry and Molecular Biology Education</i> , 2003 , 31, 329-332 | 1.3 | 11 |
| 68 | 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 | | 11 |

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| 67 | A simple laboratory experiment to demonstrate the interaction of proteins bearing glycosylphosphatidylinositol anchors with liposomes. <i>Biochemical Education</i> , 1999 , 27, 41-44 | | 11 |
| 66 | Amazonian biodiversity: a view of drug development for leishmaniasis and malaria. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 1944-1944 | 1.5 | 11 |
| 65 | Strontium Calcium Phosphate Nanotubes as Bioinspired Building Blocks for Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43422-43434 | 9.5 | 11 |
| 64 | 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 | 6 | 11 |
| 63 | Quantitative atomic force microscopy provides new insight into matrix vesicle mineralization. <i>Archives of Biochemistry and Biophysics</i> , 2019 , 667, 14-21 | 4.1 | 10 |
| 62 | Addition of subunit K^+ ions, and lipid restores the thermal stability of solubilized Na,K-ATPase. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 530, 93-100 | 4.1 | 10 |
| 61 | 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, 1714-23 | 3.8 | 10 |
| 60 | 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, 373-9 | 9.3 | 10 |
| 59 | Use of proteoliposome as a vaccine against <i>Trypanosoma cruzi</i> in mice. <i>Chemistry and Physics of Lipids</i> , 2008 , 152, 86-94 | 3.7 | 10 |
| 58 | 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 | 3.2 | 10 |
| 57 | Lipid bilayer stabilization of the Na,K-ATPase reconstituted in DPPC/DPPE liposomes. <i>Cell Biochemistry and Biophysics</i> , 2006 , 44, 438-45 | 3.2 | 10 |
| 56 | Synthesis of Sr-morin complex and its in vitro response: decrease in osteoclast differentiation while sustaining osteoblast mineralization ability. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 823-829 | 7.3 | 9 |
| 55 | Effects of GPI-anchored TNAP on the dynamic structure of model membranes. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26295-301 | 3.6 | 9 |
| 54 | 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 | 4 | 9 |
| 53 | Cholesterol Regulates the Incorporation and Catalytic Activity of Tissue-Nonspecific Alkaline Phosphatase in DPPC Monolayers. <i>Langmuir</i> , 2019 , 35, 15232-15241 | 4 | 9 |
| 52 | Cytoplasmatic domain of Na,K-ATPase alpha-subunit is responsible for the aggregation of the enzyme in proteoliposomes. <i>Biophysical Chemistry</i> , 2010 , 146, 36-41 | 3.5 | 9 |
| 51 | Dependence of divalent metal ions on phosphotransferase activity of osseous plate alkaline phosphatase. <i>Journal of Inorganic Biochemistry</i> , 1997 , 66, 51-5 | 4.2 | 9 |
| 50 | Digital Image Analysis to Standardize a Photometric Method in Colorimetric Quantification. <i>Instrumentation Science and Technology</i> , 2007 , 36, 97-104 | 1.4 | 9 |

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| 49 | 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. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007 , 89, 22-8 | 6.7 | 9 |
| 48 | 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 | 3.8 | 9 |
| 47 | Rat osseous plate alkaline phosphatase: mechanism of action of manganese ions. <i>BioMetals</i> , 1995 , 8, 86-91 | 3.4 | 9 |
| 46 | 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 | 2.9 | 9 |
| 45 | 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. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 11371-6 | 3.4 | 8 |
| 44 | 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, 923-8 | | 8 |
| 43 | Toluene permeabilization differentially affects F- and P-type ATPase activities present in the plasma membrane of Streptococcus mutans. <i>Brazilian Journal of Medical and Biological Research</i> , 2008 , 41, 1047-53 | 2.8 | 8 |
| 42 | 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 | 3.6 | 7 |
| 41 | Forensic Investigation of Formaldehyde in Illicit Products for Hair Treatment by DAD-HPLC: A Case Study. <i>Journal of Forensic Sciences</i> , 2016 , 61, 1122-1125 | 1.8 | 7 |
| 40 | 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 | 1.3 | 7 |
| 39 | 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 | 3.4 | 7 |
| 38 | 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 | 3.5 | 6 |
| 37 | Fermentable and non-fermentable sugars: A simple experiment of anaerobic metabolism. <i>Biochemistry and Molecular Biology Education</i> , 2003 , 31, 180-184 | 1.3 | 6 |
| 36 | Mechanism of action of cobalt ions on rat osseous plate alkaline phosphatase. <i>Journal of Inorganic Biochemistry</i> , 1995 , 60, 155-62 | 4.2 | 6 |
| 35 | Discondroplasia tibial: mecanismos de lesão e controle. <i>Brazilian Journal of Poultry Science</i> , 2002 , 4, 169-186 | 1.6 | 6 |
| 34 | Lipid composition modulates ATP hydrolysis and calcium phosphate mineral propagation by TNAP-harboring proteoliposomes. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 691, 108482 | 4.1 | 6 |
| 33 | Multimeric species in equilibrium in detergent-solubilized Na,K-ATPase. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 238-45 | 7.9 | 6 |
| 32 | Interaction of cyclic and linear Labaditin peptides with anionic and zwitterionic micelles. <i>Journal of Colloid and Interface Science</i> , 2015 , 438, 39-46 | 9.3 | 5 |

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| 31 | Merozoite-Protein Loaded Liposomes Protect against Challenge in Two Murine Models of Infection. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 2276-2286 | 5.5 | 5 |
| 30 | Cinnamic acid derived compounds loaded into liposomes: antileishmanial activity, production standardisation and characterisation. <i>Journal of Microencapsulation</i> , 2015 , 32, 467-77 | 3.4 | 5 |
| 29 | Defective Multilayer Carbon Nanotubes Increase Alkaline Phosphatase Activity and Bone-Like Nodules in Osteoblast Cultures. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 1437-44 | 1.3 | 5 |
| 28 | Lipid-mediated growth of SrCO/CaCO hybrid films as bioactive coatings for Ti surfaces. <i>Materials Science and Engineering C</i> , 2019 , 99, 762-769 | 8.3 | 4 |
| 27 | Effect of Zn(II) and Mg(II) on phosphohydrolytic activity of rat matrix-induced alkaline phosphatase 1989 , 35, 503-10 | | 4 |
| 26 | Kinetic characteristics of some inhibitors of matrix-induced alkaline phosphatase 1987 , 33, 625-35 | | 4 |
| 25 | Osseous plate alkaline phosphatase is anchored by GPI. <i>Brazilian Journal of Medical and Biological Research</i> , 1994 , 27, 453-6 | 2.8 | 4 |
| 24 | Collagen-supported CaCO ₃ cylindrical particles enhance Ti bioactivity. <i>Surface and Coatings Technology</i> , 2019 , 358, 858-864 | 4.4 | 4 |
| 23 | Is alkaline phosphatase biomimetically immobilized on titanium able to propagate the biomineralization process?. <i>Archives of Biochemistry and Biophysics</i> , 2019 , 663, 192-198 | 4.1 | 3 |
| 22 | Interface-driven Sr-morin complexation at Langmuir monolayers for bioactive coating design. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 856-863 | 6 | 3 |
| 21 | Localization of Annexin A6 in Matrix Vesicles During Physiological Mineralization. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 3 |
| 20 | A simple method for immunodetection of membrane-associated proteins. <i>Biochemistry and Molecular Biology Education</i> , 2000 , 28, 256-260 | 1.3 | 3 |
| 19 | 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 | 1.3 | 3 |
| 18 | MSc Biotechnology degree in South Africa. <i>Biochemical Education</i> , 1999 , 27, 37-40 | | 3 |
| 17 | The lipid raft protein NTAL participates in AKT signaling in mantle cell lymphoma. <i>Leukemia and Lymphoma</i> , 2019 , 60, 2658-2668 | 1.9 | 2 |
| 16 | Entropy-driven binding of octyl gallate in albumin: Failure in the application of temperature effect to distinguish dynamic and static fluorescence quenching. <i>Journal of Molecular Recognition</i> , 2020 , 33, e2840 | 2.6 | 2 |
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