

Maytã^a Bolean

List of Publications by Year in descending order

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33
papers

831
citations

471509

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times ranked

926
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Fluorescence evidence of annexin A6 translocation across membrane in model matrix vesicles during apatite formation. , 2022, 1, . | | 2 |
| 2 | Ultrasensitive Diamond Microelectrode Application in the Detection of Ca ²⁺ Transport by AnnexinA5-Containing Nanostructured Liposomes. Biosensors, 2022, 12, 525. | 4.7 | 6 |
| 3 | Langmuir monolayers and proteoliposomes as models of matrix vesicles involved in biomineralization. Biophysical Reviews, 2021, 13, 893-895. | 3.2 | 1 |
| 4 | 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 |
| 5 | 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 |
| 6 | Characterization of the in Vitro Osteogenic Response to Submicron TiO ₂ Particles of Varying Structure and Crystallinity. ACS Omega, 2020, 5, 16491-16501. | 3.5 | 5 |
| 7 | Localization of Annexin A6 in Matrix Vesicles During Physiological Mineralization. International Journal of Molecular Sciences, 2020, 21, 1367. | 4.1 | 20 |
| 8 | 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. | 2.1 | 4 |
| 9 | 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 |
| 10 | Cholesterol Regulates the Incorporation and Catalytic Activity of Tissue-Nonspecific Alkaline Phosphatase in DPPC Monolayers. Langmuir, 2019, 35, 15232-15241. | 3.5 | 11 |
| 11 | Is alkaline phosphatase biomimetically immobilized on titanium able to propagate the biomineralization process?. Archives of Biochemistry and Biophysics, 2019, 663, 192-198. | 3.0 | 8 |
| 12 | Quantitative atomic force microscopy provides new insight into matrix vesicle mineralization. Archives of Biochemistry and Biophysics, 2019, 667, 14-21. | 3.0 | 25 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | Biophysical aspects of biomineralization. Biophysical Reviews, 2017, 9, 747-760. | 3.2 | 50 |

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|----|--|-----|-----------|
| 19 | 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. | 4.7 | 15 |
| 20 | Liposomal systems as carriers for bioactive compounds. <i>Biophysical Reviews</i> , 2015, 7, 391-397. | 3.2 | 37 |
| 21 | Effects of GPI-anchored TNAP on the dynamic structure of model membranes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26295-26301. | 2.8 | 15 |
| 22 | 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. | 3.0 | 24 |
| 23 | Catalytic Signature of a Heat-Stable, Chimeric Human Alkaline Phosphatase with Therapeutic Potential. <i>PLoS ONE</i> , 2014, 9, e89374. | 2.5 | 61 |
| 24 | Effects of pH on the Production of Phosphate and Pyrophosphate by Matrix Vesicles™ Biomimetics. <i>Calcified Tissue International</i> , 2013, 93, 222-232. | 3.1 | 32 |
| 25 | Matrix vesicles' biomimetic systems: Effect of pH on the regulation of phosphate production by physiological substrates hydrolysis. <i>Bone</i> , 2012, 50, S69. | 2.9 | 0 |
| 26 | Proteoliposomes in nanobiotechnology. <i>Biophysical Reviews</i> , 2012, 4, 67-81. | 3.2 | 34 |
| 27 | Thermodynamic properties and characterization of proteoliposomes rich in microdomains carrying alkaline phosphatase. <i>Biophysical Chemistry</i> , 2011, 158, 111-118. | 2.8 | 25 |
| 28 | The effect of cholesterol on the reconstitution of alkaline phosphatase into liposomes. <i>Biophysical Chemistry</i> , 2010, 152, 74-79. | 2.8 | 33 |
| 29 | 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. | 2.0 | 25 |
| 30 | Proteoliposomes Harboring Alkaline Phosphatase and Nucleotide Pyrophosphatase as Matrix Vesicle Biomimetics. <i>Journal of Biological Chemistry</i> , 2010, 285, 7598-7609. | 3.4 | 49 |
| 31 | Photodynamic Therapy in Planktonic and Biofilm Cultures of <i>Aggregatibacter actinomycetemcomitans</i> . <i>Photomedicine and Laser Surgery</i> , 2010, 28, S-53-S-60. | 2.0 | 64 |
| 32 | 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. | 1.5 | 9 |
| 33 | A carbohydrate pulse experiment to demonstrate the sugar metabolization by <i>S. mutans</i> . <i>Journal of Biochemistry Education</i> , 2006, 4, 15. | 0.0 | 0 |