

Maytã^a Bolean

List of Publications by Year in descending order

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33
papers

831
citations

471509

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501196

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36
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docs citations

36
times ranked

926
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.4	131
2	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
3	Catalytic Signature of a Heat-Stable, Chimeric Human Alkaline Phosphatase with Therapeutic Potential. <i>PLoS ONE</i> , 2014, 9, e89374.	2.5	61
4	Biophysical aspects of biomineralization. <i>Biophysical Reviews</i> , 2017, 9, 747-760.	3.2	50
5	Proteoliposomes Harboring Alkaline Phosphatase and Nucleotide Pyrophosphatase as Matrix Vesicle Biomimetics. <i>Journal of Biological Chemistry</i> , 2010, 285, 7598-7609.	3.4	49
6	Liposomal systems as carriers for bioactive compounds. <i>Biophysical Reviews</i> , 2015, 7, 391-397.	3.2	37
7	Proteoliposomes in nanobiotechnology. <i>Biophysical Reviews</i> , 2012, 4, 67-81.	3.2	34
8	The effect of cholesterol on the reconstitution of alkaline phosphatase into liposomes. <i>Biophysical Chemistry</i> , 2010, 152, 74-79.	2.8	33
9	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
10	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.	2.6	31
11	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.	5.0	26
12	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
13	Thermodynamic properties and characterization of proteoliposomes rich in microdomains carrying alkaline phosphatase. <i>Biophysical Chemistry</i> , 2011, 158, 111-118.	2.8	25
14	Quantitative atomic force microscopy provides new insight into matrix vesicle mineralization. <i>Archives of Biochemistry and Biophysics</i> , 2019, 667, 14-21.	3.0	25
15	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
16	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.	2.4	22
17	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.	2.8	20
18	Localization of Annexin A6 in Matrix Vesicles During Physiological Mineralization. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1367.	4.1	20

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19	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.	2.7	17
20	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
21	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
22	Lipid composition modulates ATP hydrolysis and calcium phosphate mineral propagation by TNAP-harboring proteoliposomes. <i>Archives of Biochemistry and Biophysics</i> , 2020, 691, 108482.	3.0	15
23	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.	2.7	13
24	Cholesterol Regulates the Incorporation and Catalytic Activity of Tissue-Nonspecific Alkaline Phosphatase in DPPC Monolayers. <i>Langmuir</i> , 2019, 35, 15232-15241.	3.5	11
25	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
26	Is alkaline phosphatase biomimetically immobilized on titanium able to propagate the biomineralization process?. <i>Archives of Biochemistry and Biophysics</i> , 2019, 663, 192-198.	3.0	8
27	Ultrasensitive Diamond Microelectrode Application in the Detection of Ca ²⁺ Transport by AnnexinA5-Containing Nanostructured Liposomes. <i>Biosensors</i> , 2022, 12, 525.	4.7	6
28	Characterization of the in Vitro Osteogenic Response to Submicron TiO ₂ Particles of Varying Structure and Crystallinity. <i>ACS Omega</i> , 2020, 5, 16491-16501.	3.5	5
29	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.	2.1	4
30	Fluorescence evidence of annexin A6 translocation across membrane in model matrix vesicles during apatite formation. , 2022, 1, .		2
31	Langmuir monolayers and proteoliposomes as models of matrix vesicles involved in biomineralization. <i>Biophysical Reviews</i> , 2021, 13, 893-895.	3.2	1
32	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
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