

Cassiano Aimoli

List of Publications by Year in descending order

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20
papers

702
citations

933264

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940416

16
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20
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docs citations

20
times ranked

1021
citing authors

#	ARTICLE	IF	CITATIONS
1	Crosslinking of chitosan membranes using glutaraldehyde: Effect on ion permeability and water absorption. <i>Journal of Membrane Science</i> , 2007, 301, 126-130.	4.1	290
2	Transport properties of carbon dioxide and methane from molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2014, 141, 134101.	1.2	93
3	Force field comparison and thermodynamic property calculation of supercritical CO ₂ and CH ₄ using molecular dynamics simulations. <i>Fluid Phase Equilibria</i> , 2014, 368, 80-90.	1.4	89
4	Thermodynamic Properties of Supercritical Mixtures of Carbon Dioxide and Methane: A Molecular Simulation Study. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 3041-3054.	1.0	41
5	Bovine pericardium coated with biopolymeric films as an alternative to prevent calcification: In vitro calcification and cytotoxicity results. <i>Materials Science and Engineering C</i> , 2010, 30, 575-582.	3.8	33
6	Lyophilized Bovine Pericardium Treated With a Phenethylamine-Diepoxide as an Alternative to Preventing Calcification of Cardiovascular Bioprosthesis: Preliminary Calcification Results. <i>Artificial Organs</i> , 2007, 31, 278-283.	1.0	27
7	Natural and Prosthetic Heart Valve Calcification: Morphology and Chemical Composition Characterization. <i>Artificial Organs</i> , 2010, 34, 311-318.	1.0	26
8	Precipitation of calcium phosphate and calcium carbonate induced over chitosan membranes: A quick method to evaluate the influence of polymeric matrices in heterogeneous calcification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 53, 15-22.	2.5	24
9	Investigations into the early stages of <i>in vitro</i> calcification on chitosan films. <i>Materials Science and Engineering C</i> , 2006, 26, 78-86.	3.8	21
10	Influence of Acetylation on In Vitro Chitosan Membrane Biomineralization. <i>Key Engineering Materials</i> , 2003, 254-256, 311-314.	0.4	11
11	Chitosan membrane with patterned surface obtained through solution drying. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 268, 175-179.	2.3	10
12	Investigation on the biomimetic influence of biopolymers on calcium phosphate precipitation—Part 1: Alginate. <i>Materials Science and Engineering C</i> , 2009, 29, 1109-1113.	3.8	9
13	Investigation on the biomimetic influence of biopolymers on calcium phosphate precipitation-part 2: Chitosan. <i>Materials Science and Engineering C</i> , 2008, 28, 1565-1571.	3.8	8
14	Thermodynamic properties and fluid phase equilibrium of natural gas containing CO ₂ and H ₂ O at extreme pressures typically found in pre-salt reservoirs. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 79, 103337.	2.1	8
15	In vitro mineralization on chitosan using solutions with excess of calcium and phosphate ions. <i>Journal of Materials Research</i> , 2005, 20, 3303-3311.	1.2	7
16	In Vitro Calcification of Silk Fibroin Hydrogel. <i>Key Engineering Materials</i> , 2008, 361-363, 503-506.	0.4	5
17	Study of Morphology of Cardiac Valves (Human and Bovine Pericardium) after <i>In Vivo</i> Calcification. <i>Key Engineering Materials</i> , 2008, 396-398, 191-194.	0.4	0
18	An EXAFS Study Of The Binding Of Chromium, Mercury And Copper On Natural, Crosslinked And Multilayer Chitosan Films. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
19	Molecular sieves change-out in oil platforms: unloading in an inert environment to mitigate the risks of overheating material. Technical Papers ... Rio Oil & Gas, 2020, 20, 219-220.	0.0	0
20	Molecular sieve change-out strategy to avoid production losses in offshore units. Technical Papers ... Rio Oil & Gas, 2020, 20, 224-225.	0.0	0