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EARLY MINERALIZATION IN BIOMPHALARIA GLABRATA: MICROSCOPIC AND STRUCTURAL RESULTS

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#	Paper	IF	Citations
86	Hydrogen Bonding in Amorphous Calcium Carbonate and Molecular Reorientation Induced by Dehydration.		
85	The major soluble 19.6 kDa protein of the organic shell matrix of the freshwater snail <i>Biomphalaria glabrata</i> is an N-glycosylated dermatopontin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003 , 1650, 92-8	4	76
84	Molluscan shell proteins. <i>Comptes Rendus - Palevol</i> , 2004 , 3, 469-492	1.6	252
83	A light- and electron-microscopic study of enzymes in the embryonic shell-forming tissue of the freshwater snail, <i>Biomphalaria glabrata</i> . <i>Invertebrate Biology</i> , 2005 , 122, 313-325	1	9
82	Effects of various larval digeneans on the calcium carbonate content of the shells of <i>Helisoma trivolvis</i> , <i>Biomphalaria glabrata</i> , and <i>Physa</i> sp. <i>Parasitology Research</i> , 2005 , 95, 252-5	2.4	15
81	Application of synchrotron-radiation-based computer microtomography (SRICIT) to selected biominerals: embryonic snails, statoliths of medusae, and human teeth. <i>Journal of Biological Inorganic Chemistry</i> , 2005 , 10, 688-95	3.7	23
80	In vitro Synthesis and Structural Characterization of Amorphous Calcium Carbonate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 2830-2835	1.3	78
79	The mineral phase in the cuticles of two species of Crustacea consists of magnesium calcite, amorphous calcium carbonate, and amorphous calcium phosphate. <i>Dalton Transactions</i> , 2005 , 1814-20	4.3	123
78	Structural biology. Choosing the crystallization path less traveled. <i>Science</i> , 2005 , 309, 1027-8	33.3	284
77	Transient precursor strategy in mineral formation of bone. <i>Bone</i> , 2006 , 39, 431-3	4.7	114
76	Structural Characterization of the Transient Amorphous Calcium Carbonate Precursor Phase in Sea Urchin Embryos. <i>Advanced Functional Materials</i> , 2006 , 16, 1289-1298	15.6	198
75	Bio-inspired Mineralization Using Hydrophilic Polymers. 2006 , 1-77		101
74	Asprich mollusk shell protein: in vitro experiments aimed at elucidating function in CaCO ₃ crystallization. <i>CrystEngComm</i> , 2007 , 9, 1171	3.3	97
73	The concentration of calcium carbonate in shells of freshwater snails. <i>American Malacological Bulletin</i> , 2007 , 22, 139-142	0.2	20
72	Formation of single-crystalline aragonite tablets/films via an amorphous precursor. <i>Langmuir</i> , 2007 , 23, 1988-94	4	61
71	Biomimetic mineralization. <i>Journal of Materials Chemistry</i> , 2007 , 17, 415-449		585
70	Molluscan shell proteins: primary structure, origin, and evolution. <i>Current Topics in Developmental Biology</i> , 2008 , 80, 209-76	5.3	359

69	Monohydrocalcite and Its Relationship to Hydrated Amorphous Calcium Carbonate in Biominerals. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 1953-1957	2.3	54
68	On the formation of calcium carbonate thin films under Langmuir monolayers of stearic acid. <i>Colloid and Polymer Science</i> , 2007 , 285, 1301-1311	2.4	22
67	A morphological and structural study of the larval shell from the abalone <i>Haliotis tuberculata</i> . <i>Marine Biology</i> , 2008 , 154, 735-744	2.5	25
66	Controlling mineral morphologies and structures in biological and synthetic systems. <i>Chemical Reviews</i> , 2008 , 108, 4332-432	68.1	1096
65	On the structure of amorphous calcium carbonate--a detailed study by solid-state NMR spectroscopy. <i>Inorganic Chemistry</i> , 2008 , 47, 7874-9	5.1	152
64	Biomineralization: a structural perspective. <i>Journal of Structural Biology</i> , 2008 , 163, 229-34	3.4	167
63	Spatial distribution of calcite and amorphous calcium carbonate in the cuticle of the terrestrial crustaceans <i>Porcellio scaber</i> and <i>Armadillidium vulgare</i> . <i>Journal of Structural Biology</i> , 2008 , 163, 100-8	3.4	94
62	Effects of global seawater chemistry on biomineralization: past, present, and future. <i>Chemical Reviews</i> , 2008 , 108, 4483-98	68.1	63
61	Molecular aspects of biomineralization of the echinoderm endoskeleton. <i>Chemical Reviews</i> , 2008 , 108, 4463-74	68.1	75
60	Biomimetic CaCO ₃ mineralization using designer molecules and interfaces. <i>Chemical Reviews</i> , 2008 , 108, 4499-550	68.1	369
59	Biomimetic model systems for investigating the amorphous precursor pathway and its role in biomineralization. <i>Chemical Reviews</i> , 2008 , 108, 4551-627	68.1	783
58	X-ray microcomputer tomography for the study of biomineralized endo- and exoskeletons of animals. <i>Chemical Reviews</i> , 2008 , 108, 4734-41	68.1	55
57	Transformation mechanism of amorphous calcium carbonate into calcite in the sea urchin larval spicule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17362-6 ⁵	11.5	336
56	Controlling the Assembly of Nanocrystalline ZnO Films by a Transient Amorphous Phase in Solution. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 5373-5383	3.8	23
55	Embryonic shell formation in the snail <i>Biomphalaria glabrata</i> : a comparison between scanning electron microscopy (SEM) and synchrotron radiation micro computer tomography (SRµCT). <i>Journal of Molluscan Studies</i> , 2008 , 74, 19-26	1.1	12
54	Development of the Embryonic Shell Structure of Mesozoic Ammonoids. <i>American Museum Novitates</i> , 2008 , 3621, 1	1.1	10
53	Overview of the amorphous precursor phase strategy in biomineralization. <i>Frontiers of Materials Science in China</i> , 2009 , 3, 104-108		78
52	Studies on molluscan shells: contributions from microscopic and analytical methods. <i>Micron</i> , 2009 , 40, 669-90	2.3	77

51	What Genes and Genomes Tell us about Calcium Carbonate Biomineralization. 2010 , 37-69		
50	Amorphous Ca-phosphate precursors for Ca-carbonate biominerals mediated by <i>Chromohalobacter marismortui</i> . <i>ISME Journal</i> , 2010 , 4, 922-32	11.9	41
49	An EST-based genome scan using 454 sequencing in the marine snail <i>Littorina saxatilis</i> . <i>Journal of Evolutionary Biology</i> , 2010 , 23, 2004-16	2.3	65
48	References. 327-372		
47	Characterization of mechanisms for Ca ²⁺ and HCO ₃ ⁻ /CO ₃ ²⁻ acquisition for shell formation in embryos of the freshwater common pond snail <i>Lymnaea stagnalis</i> . <i>Journal of Experimental Biology</i> , 2010 , 213, 4092-8	3	25
46	Microtexture of larval shell of oyster, <i>Crassostrea nippona</i> : a FIB-TEM study. <i>Journal of Structural Biology</i> , 2010 , 169, 1-5	3.4	38
45	Ultrastructure, chemistry and mineralogy of the growing shell of the European abalone <i>Haliotis tuberculata</i> . <i>Journal of Structural Biology</i> , 2010 , 171, 277-90	3.4	45
44	Biomimetic mineralization of prismatic calcite mesocrystals: Relevance to biomineralization. <i>Chemical Geology</i> , 2010 , 279, 63-72	4.2	41
43	Stabilization of amorphous calcium carbonate by controlling its particle size. <i>Nanoscale</i> , 2010 , 2, 2436-9	7.7	41
42	Influence of the Insoluble and Soluble Matrix of Abalone Nacre on the Growth of Calcium Carbonate Crystals. <i>Crystal Growth and Design</i> , 2011 , 11, 729-734	3.5	19
41	Multi-scale mineralogical characterization of the hypercalcified sponge <i>Petrobiona massiliana</i> (Calcarea, Calcaronea). <i>Journal of Structural Biology</i> , 2011 , 176, 315-29	3.4	14
40	Reviewing the Effects of Ocean Acidification on Sexual Reproduction and Early Life History Stages of Reef-Building Corals. <i>Journal of Marine Biology</i> , 2011 , 2011, 1-14	1	70
39	Ocean acidification impacts multiple early life history processes of the Caribbean coral <i>Porites astreoides</i> . <i>Global Change Biology</i> , 2011 , 17, 2478-2487	11.4	135
38	Gastropod nacre: structure, properties and growth--biological, chemical and physical basics. <i>Biophysical Chemistry</i> , 2011 , 153, 126-53	3.5	75
37	Phase transitions in biogenic amorphous calcium carbonate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6088-93	11.5	205
36	Die Polyamorphie von Calciumcarbonat und ihre Bedeutung für die Biomineralisation: Wie viele amorphe Calciumcarbonat-Phasen gibt es?. <i>Angewandte Chemie</i> , 2012 , 124, 12126-12137	3.6	21
35	Calcium carbonate polyamorphism and its role in biomineralization: how many amorphous calcium carbonates are there?. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11960-70	16.4	252
34	Plant cystoliths: a complex functional biocomposite of four distinct silica and amorphous calcium carbonate phases. <i>Chemistry - A European Journal</i> , 2012 , 18, 10262-70	4.8	40

33	Pressure-induced polyamorphism and formation of 'aragonitic' amorphous calcium carbonate. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8354-7	16.4	44
32	Mollusk shell structures and their formation mechanism. <i>Canadian Journal of Zoology</i> , 2013 , 91, 349-366	1.5	102
31	Pressure-Induced Polyamorphism and Formation of Aragonitic Amorphous Calcium Carbonate. <i>Angewandte Chemie</i> , 2013 , 125, 8512-8515	3.6	13
30	Does encapsulation protect embryos from the effects of ocean acidification? The example of <i>Crepidula fornicata</i> . <i>PLoS ONE</i> , 2014 , 9, e93021	3.7	26
29	Onset of Orientational Order in Amorphous Calcium Carbonate (ACC) upon Dehydration. <i>Chemical Physics Letters</i> , 2014 , 591, 287-291	2.5	14
28	Nanoscale Transforming Mineral Phases in Fresh Nacre. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13325-33	16.4	103
27	Transformation of amorphous calcium carbonate into monohydrocalcite in aqueous solution: a biomimetic mineralization study. <i>European Journal of Mineralogy</i> , 2015 , 27, 717-729	2.2	30
26	Detailed spectroscopic study of the role of Br and Sr in coloured parts of the <i>Callinectes sapidus</i> crab claw. <i>Journal of Structural Biology</i> , 2016 , 195, 1-10	3.4	11
25	Transformation of ACC into aragonite and the origin of the nanogranular structure of nacre. <i>Scientific Reports</i> , 2017 , 7, 12728	4.9	20
24	Anisotropic Lattice Distortions in Biogenic Minerals Originated from Strong Atomic Interactions at Organic/Inorganic Interfaces. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600189	4.6	21
23	Treatise Online no. 93: Part N, Revised, Volume 1, Chapter 3: Periostracum and shell formation in the Bivalvia. <i>Treatise Online</i> , 2017 ,		2
22	The Crystallization of Amorphous Calcium Carbonate is Kinetically Governed by Ion Impurities and Water. <i>Advanced Science</i> , 2018 , 5, 1701000	13.6	69
21	Hydrogen Bonding in Amorphous Calcium Carbonate and Molecular Reorientation Induced by Dehydration. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3591-3598	3.8	30
20	Water-Controlled Crystallization of CaCO ₃ , SrCO ₃ , and MnCO ₃ from Amorphous Precursors. <i>Crystal Growth and Design</i> , 2018 , 18, 4662-4670	3.5	13
19	Physical, mechanical properties and antimicrobial analysis of a novel CaO/AlO compound reinforced with Al or Ag particles. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 97, 385-395	4.1	4
18	Synthesis and effect of CaTiO ₃ formation in CaO/Al ₂ O ₃ by solid-state reaction from CaCO ₃ /Al ₂ O ₃ and Ti. <i>Materials Chemistry and Physics</i> , 2019 , 232, 57-64	4.4	3
17	The Pteropod <i>Creseis acicula</i> Forms Its Shell through a Disordered Nascent Aragonite Phase. <i>Crystal Growth and Design</i> , 2019 , 19, 2564-2573	3.5	9
16	Microstructure Analysis and Chemical and Mechanical Characterization of the Shells of Three Freshwater Snails. <i>ACS Omega</i> , 2020 , 5, 25757-25771	3.9	6

15	Strained calcite crystals from amorphous calcium carbonate containing an organic molecule. <i>CrystEngComm</i> , 2020 , 22, 7054-7058	3.3	1
14	begins exoskeleton mineralization within 48 hours of metamorphosis. <i>Royal Society Open Science</i> , 2020 , 7, 200725	3.3	2
13	Origin of the biphasic nature and surface roughness of biogenic calcite secreted by the giant barnacle <i>Austromegabalanus psittacus</i> . <i>Scientific Reports</i> , 2020 , 10, 16784	4.9	1
12	Cave bacteria-induced amorphous calcium carbonate formation. <i>Scientific Reports</i> , 2020 , 10, 8696	4.9	21
11	Larval calcification and growth of veligers to early pediveliger of the queen conch <i>Strombus gigas</i> in mesocosm and laboratory conditions. <i>Aquaculture International</i> , 2021 , 29, 1279-1294	2.6	
10	Structural Characteristics and the Occurrence of Polyamorphism in Amorphous Calcium Carbonate. 2017 , 77-92		10
9	REFRACTORY CERAMICS SYNTHESIS BY SOLID-STATE REACTION BETWEEN CaCO ₃ (MOLLUSK SHELL) AND Al ₂ O ₃ POWDERS. <i>Ceramics - Silikaty</i> , 2018 , 355-363	0.6	4
8	Effects of ocean acidification on larval development and early post-hatching traits in <i>Concholepas concholepas</i> (loco). <i>Marine Ecology - Progress Series</i> , 2014 , 514, 87-103	2.6	9
7	Ung dung m ^h h Monte Carlo du b ^o dien t ^h h ^h t san xuất n ^h g nghiệp trong toi ^h h ^h ^h t n ^h g nghiệp. <i>Tap Chi Khoa Hoc = Journal of Science</i> , 2019 , 55(Environment), 164	0.1	
6	Effectiveness of a handmade shell-based substrate for the breeding of <i>Biomphalaria glabrata</i> under laboratory conditions. <i>Revista Do Instituto De Medicina Tropical De Sao Paulo</i> , 2020 , 62, e55	2.2	0
5	^h c ^h m c ^h quan ti ^h h ^h v ^h hu cau dinh d ^h ng cua mot so lo ^h oc thuoc lop gastropoda. <i>Tap Chi Khoa Hoc = Journal of Science</i> , 2022 , 58, 235-247	0.1	
4	Nanochitin: Chemistry, Structure, Assembly, and Applications. <i>Chemical Reviews</i> ,	68.1	4
3	Indigenous microbial communities as catalysts for early marine cements: an in vitro study. <i>Depositional Record</i> ,	2	0
2	Insights into the amorphous calcium carbonate (ACC) -p ^h kaite -p ^h alcite transformations.		1
1	Microstructure of <i>Eobania vermiculata</i> (M ^h ler, 1774): SEM, F-TIR and XRD methods.		0