

The eggshell: structure, composition and mineralization

Frontiers in Bioscience - Landmark

17, 1266

DOI: [10.2741/3985](https://doi.org/10.2741/3985)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Influence of eggshell ultrastructural organization on hatchability. Poultry Science, 2013, 92, 2236-2239.	1.5	25
2	Microstructural evolution and optical properties of TiO ₂ synthesized by eggshell membrane templating for DSSCs application. Materials Research Bulletin, 2013, 48, 1569-1574.	2.7	19
3	Investigation of calcium carbonate precipitation in the presence of carboxymethyl inulin. CrystEngComm, 2013, 15, 3678.	1.3	44
4	The sodium channel gene family is specifically expressed in hen uterus and associated with eggshell quality traits. BMC Genetics, 2013, 14, 90.	2.7	32
5	The proteome of the calcified layer organic matrix of turkey (<i>Meleagris gallopavo</i>) eggshell. Proteome Science, 2013, 11, 40.	0.7	41
6	The eggshell features and clutch viability of the broad-snouted caiman (<i>Caiman latirostris</i>) are associated with the egg burden of organochlorine compounds. Ecotoxicology and Environmental Safety, 2013, 98, 191-195.	2.9	19
7	Change in the chicken eggshell cuticle with hen age and egg freshness. Poultry Science, 2013, 92, 3026-3035.	1.5	63
8	Proteomics of CaCO ₃ biomineral-associated proteins: How to properly address their analysis. Proteomics, 2013, 13, 3109-3116.	1.3	26
9	Understanding control of calcitic biomineralizationâ€”Proteomics to the rescue. Proteomics, 2013, 13, 3369-3370.	1.3	3
10	Developments in understanding and assessment of egg and egg product quality over the last century. World's Poultry Science Journal, 2013, 69, 414-429.	1.4	20
11	The Mineralization of Bone and Its Analogies with Other Hard Tissues. , 2013, , .		7
12	Ovocalyxin-36 Is a Pattern Recognition Protein in Chicken Eggshell Membranes. PLoS ONE, 2013, 8, e84112.	1.1	45
13	Food Processing and Automotive Manufacturing: an Environmental Friendly Approach to Synthetic Rubber. , 0, , .		0
15	Genome-wide patterns of copy number variation in the diversified chicken genomes using next-generation sequencing. BMC Genomics, 2014, 15, 962.	1.2	83
16	Eggshell membrane biomaterial as a platform for applications in materials science. Acta Biomaterialia, 2014, 10, 3827-3843.	4.1	201
17	Effects of Full-Length Phosphorylated Osteopontin and Constituent Acidic Peptides and Amino Acids on Calcite Dissolution. Crystal Growth and Design, 2014, 14, 979-987.	1.4	9
18	Obtainment of Spherical-Shaped Calcite Crystals Induced by Intramineral Proteins Isolated from Eggshells of Ostrich and Emu. Crystal Growth and Design, 2014, 14, 5137-5143.	1.4	19
19	Hen uterine gene expression profiling during eggshell formation reveals putative proteins involved in the supply of minerals or in the shell mineralization process. BMC Genomics, 2014, 15, 220.	1.2	85

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20	Evolution of egg coats: linking molecular biology and ecology. <i>Molecular Ecology</i> , 2015, 24, 4052-4073.	2.0	43
21	Proteomic analysis of quail calcified eggshell matrix: a comparison to chicken and turkey eggshell proteomes. <i>Proteome Science</i> , 2015, 13, 22.	0.7	36
22	The calcified eggshell matrix proteome of a songbird, the zebra finch (<i>Taeniopygia guttata</i>). <i>Proteome Science</i> , 2015, 13, 29.	0.7	31
23	Quantitative proteomics provides new insights into chicken eggshell matrix protein functions during the primary events of mineralisation and the active calcification phase. <i>Journal of Proteomics</i> , 2015, 126, 140-154.	1.2	57
24	Identifying specific proteins involved in eggshell membrane formation using gene expression analysis and bioinformatics. <i>BMC Genomics</i> , 2015, 16, 792.	1.2	47
25	Evolutionary Physiology of Bone: Bone Metabolism in Changing Environments. <i>Physiology</i> , 2015, 30, 17-29.	1.6	62
26	Novel identification of matrix proteins involved in calcitic biomineralization. <i>Journal of Proteomics</i> , 2015, 116, 81-96.	1.2	65
27	Importance of eggshell cuticle composition and maturity for avoiding trans-shell <i>Salmonella</i> contamination in chicken eggs. <i>Food Control</i> , 2015, 55, 31-38.	2.8	32
28	Nutritional effects of egg shell membrane supplements on chicken performance and immunity. <i>Poultry Science</i> , 2015, 94, 1184-1189.	1.5	10
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30	Distinct Effects of Avian Egg Derived Anionic Proteoglycans on the Early Stages of Calcium Carbonate Mineralization. <i>Crystal Growth and Design</i> , 2015, 15, 2052-2056.	1.4	14
31	Dietary calcium deficiency in laying ducks impairs eggshell quality by suppressing the process of shell biomineralization. <i>Journal of Experimental Biology</i> , 2015, 218, 3336-43.	0.8	19
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34	Reproduction in the Female. , 2015, , 635-665.		46
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55	Structure and Function of the Shell and the Chorioallantoic Membrane of the Avian Egg: Embryonic Respiration. , 2017, , 219-247.		7

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57	Identification of a new mineralized tissue in the notochord of reared Siberian sturgeon (<i>Acipenser) Tj ETQq1 1 0.784314 rgBT /Over	0.6	2
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137	Integrated proteomic, phosphoproteomic and N-glycoproteomic analyses of chicken eggshell matrix. <i>Food Chemistry</i> , 2020, 330, 127167.	4.2	31
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151	Astragalus polysaccharide supplementation improves production performance, egg quality, serum biochemical index and gut microbiota in Chongren hens. <i>Animal Science Journal</i> , 2021, 92, e13550.	0.6	13
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158	Poultry eggshell effects on microporous poly(lactic acid)-based film fabrication for active compound-releasing sachets. <i>Polymer Bulletin</i> , 2022, 79, 1217-1238.	1.7	3
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163	Structure and Composition of the Eggshell of a Passerine Bird, <i>Setophaga ruticilla</i> (Linnaeus.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 TF 5</i>	0.2	4
164	Multiscale Mechanics of Eggshell and Shell Membrane. <i>Jom</i> , 2021, 73, 1676-1683.	0.9	1
165	Mechanisms of Interaction of Biomolecule Phosphate Side Chains with Calcite during Dissolution. <i>Crystal Growth and Design</i> , 2021, 21, 2898-2910.	1.4	0
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