

Channelling eggshell waste to valuable and utilizable pr

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#	ARTICLE	IF	CITATIONS
1	Enhanced CO <sub>2</sub> capture using organic acid structure modified waste eggshell derived CaO sorbent. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104871.	3.3	38
2	State-of-the-Art of Eggshell Waste in Materials Science: Recent Advances in Catalysis, Pharmaceutical Applications, and Mechanochemistry. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 612567.	2.0	38
3	Phosphorus pollution control using waste-based adsorbents: Material synthesis, modification, and sustainability. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2023-2059.	6.6	16
4	Functional Food for Elderly High in Antioxidant and Chicken Eggshell Calcium to Reduce the Risk of Osteoporosis—A Narrative Review. <i>Foods</i> , 2021, 10, 656.	1.9	28
5	Multi-Class Procedure for Analysis of 50 Antibacterial Compounds in Eggshells Using Ultra-High-Performance Liquid Chromatography—Tandem Mass Spectrometry. <i>Molecules</i> , 2021, 26, 1373.	1.7	4
6	Towards the potential usage of eggshell powder as bio-modifier for asphalt binder and mixture: workability and mechanical properties. <i>International Journal of Pavement Engineering</i> , 2022, 23, 3553-3565.	2.2	32
7	Fabrication of Porous Anorthite Ceramics Using Eggshell Waste as a Calcium Source and Expanded Polystyrene Granules. <i>Journal of Polytechnic</i> , 0, , .	0.4	1
8	Microstructural and mechanical characterization of novel AA7075 composites reinforced with rice husk ash and carbonized eggshells. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 2666-2680.	0.7	5
9	Review on the extraction of calcium supplements from eggshells to combat waste generation and chronic calcium deficiency. <i>Environmental Science and Pollution Research</i> , 2021, 28, 46985-46998.	2.7	6
10	Simple recycling of biowaste eggshells to various calcium phosphates for specific industries. <i>Scientific Reports</i> , 2021, 11, 15143.	1.6	19
11	Removal of fluoride using platanus acerifoli leaves biochar — an efficient and low-cost application in wastewater treatment. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 93-107.	1.2	14
12	A review on recent advances of egg byproducts: Preparation, functional properties, biological activities and food applications. <i>Food Research International</i> , 2021, 147, 110563.	2.9	20
13	A novel epoxy-based composite with eggshell, PVC sawdust, wood sawdust and vermiculite: An investigation on radiation absorption and various engineering properties. <i>Construction and Building Materials</i> , 2021, 300, 123985.	3.2	8
14	Transfer of enrofloxacin, ciprofloxacin, and lincomycin into eggshells and residue depletion in egg components after multiple oral administration to laying hens. <i>Poultry Science</i> , 2021, 100, 101341.	1.5	3
15	A novel and efficient strategy mediated with calcium carbonate-rich sources to remove ammonium sulfate from rare earth wastewater by heterotrophic <i>Chlorella</i> species. <i>Bioresource Technology</i> , 2022, 343, 125994.	4.8	16
16	Integrating waste fish scale-derived gelatin and chitosan into edible nanocomposite film for perishable fruits. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 1164-1174.	3.6	45
17	Shells and Other Calcium Carbonate-Based Waste. , 2021, , 467-503.		0
18	Fabrication and characterization of cement based floor tiles using eggshell and plastic wastes as a low cost construction materials. <i>Case Studies in Construction Materials</i> , 2021, 15, e00747.	0.8	2

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19	Production of Bio-Calcium Oxide Derived from Hatchery Eggshell Waste Using an Industrial-Scale Car Bottom Furnace. <i>Journal of Renewable Materials</i> , 2022, 10, 1137-1151.	1.1	4
20	Preparation of innovative eco-efficient composite bricks based on zeolite-poor rock and Hen's eggshell. <i>Journal of Building Engineering</i> , 2022, 45, 103491.	1.6	13
21	Valorization of bio-waste eggshell as a viable source of dietary calcium for confectionery products. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 3193-3203.	1.7	3
22	Characterization of eggshell as limestone replacement and its influence on properties of modified cement. <i>Construction and Building Materials</i> , 2022, 319, 126006.	3.2	11
23	Rocket ( <i>Eruca vesicaria</i> (L.) Cav.) vs. Copper: The Dose Makes the Poison?. <i>Molecules</i> , 2022, 27, 711.	1.7	2
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26	Waste eggshell-derived CaO-Ag composite and Ca(II) Curcumin Complex antimicrobial materials. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 370-379.	1.1	3
27	Biomass/Biochar carbon materials for CO <sub>2</sub> capture and sequestration by cyclic adsorption processes: A review and prospects for future directions. <i>Journal of CO<sub>2</sub> Utilization</i> , 2022, 57, 101890.	3.3	82
28	Natural and industrial wastes for sustainable and renewable polymer composites. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112054.	8.2	65
29	Collagen face spray: facial moisturizer from chicken egg shell membrane to prevent premature aging. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 969, 012008.	0.2	1
30	Effects of eggshell powder supplementation on nutritional and sensory attributes of biscuits. <i>Czech Journal of Food Sciences</i> , 2022, 40, 26-32.	0.6	7
31	Eggshell Waste: A Gold Mine for Sustainable Bioceramics. <i>Journal of the Indian Institute of Science</i> , 2022, 102, 599-620.	0.9	6
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33	Adsorptive Capacity of Calcinated Hen Eggshell Blended with Silica Gel for Removal of Lead II Ions from Aqueous Media: Kinetics and Equilibrium Studies. <i>Journal of Environmental and Public Health</i> , 2022, 2022, 1-16.	0.4	11
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35	Eggshell and Walnut Shell in Unburnt Clay Blocks. <i>CivilEng</i> , 2022, 3, 263-276.	0.8	4
36	Identification and molecular mechanisms of novel antioxidant peptides from two sources of eggshell membrane hydrolysates showing cytoprotection against oxidative stress: A combined in silico and in vitro study. <i>Food Research International</i> , 2022, 157, 111266.	2.9	23

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37	Poultry eggshell-derived antimicrobial materials: Current status and future perspectives. <i>Journal of Environmental Management</i> , 2022, 314, 115096.	3.8	6
38	Contribution to cleaner production from the point of view of VOC emissions abatement: A review. <i>Journal of Cleaner Production</i> , 2022, 361, 132112.	4.6	26
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47	Characterization of paver blocks using Eggshell powder. <i>Materials Today: Proceedings</i> , 2022, 68, 1658-1662.	0.9	3
48	Innovative bio-waste-based multilayer hydrogel fertilizers as a new solution for precision agriculture. <i>Journal of Environmental Management</i> , 2022, 321, 116002.	3.8	7
49	Effect of CaF <sub>2</sub> /P <sub>2</sub> O <sub>5</sub> ratios on physical and mechanical properties of novel CaO-Na <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 171, 110991.	1.9	4
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51	An appealing review of industrial and nutraceutical applications of pistachio waste. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-19.	5.4	7
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56	Eggshell waste separation process assisted with pressureâ€vacuum: Process conditions and optimization. <i>Journal of Food Science</i> , 2023, 88, 356-366.	1.5	0
57	Properties of sintered zinc hydroxyapatite bioceramic prepared using waste chicken eggshells as calcium precursor. <i>Ceramics International</i> , 2023, 49, 12381-12389.	2.3	4
58	Hatched Eggshell Membrane Can Be a Novel Source of Antioxidant Hydrolysates to Protect against H2O2-Induced Oxidative Stress in Human Chondrocytes. <i>Antioxidants</i> , 2022, 11, 2428.	2.2	2
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60	Amassing of heavy metals in soils, vegetables and crop plants irrigated with wastewater: Health risk assessment of heavy metals in Dera Ghazi Khan, Punjab, Pakistan. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	17
61	Utilization of Chicken Eggshell Waste: A Potential Calcium Source for Incorporation into Vegetable Soup Mix. <i>Frontiers in Advanced Materials Research</i> , 0, , 15-31.	0.2	0
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68	Characterization and Strength Activity Index of Eggshell Powder and Silica Fume as Partial Cement Replacement. <i>Key Engineering Materials</i> , 0, 943, 225-231.	0.4	0
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