

Characterization and adsorption properties of eggshells

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A combined remote Raman and fluorescence spectrometer system for detecting inorganic and biological materials. , 2006, , .		4
2	A kinetics and thermodynamics study of methylene blue adsorption on wheat shells. Desalination, 2006, 194, 259-267.	4.0	978
3	Avian Eggshell as a Template for Biomimetic Synthesis of New Materials. , 0, , 109-117.		5
4	Mass transfer, kinetics and equilibrium studies for the biosorption of methylene blue using Paspalum notatum. Journal of Hazardous Materials, 2007, 146, 214-226.	6.5	155
5	New trends in telescopic remote Raman spectroscopic instrumentation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 1008-1022.	2.0	68
6	Eggshell, a new bio-filler for polypropylene composites. Materials Letters, 2007, 61, 4347-4350.	1.3	203
7	A novel biosensor based on L-homocysteine desulfhydrase enzyme immobilized in eggshell membrane. Journal of Molecular Catalysis B: Enzymatic, 2007, 49, 55-60.	1.8	14
8	Biosorption of Methylene Blue from Aqueous Solutions by Hazelnut Shells: Equilibrium, Parameters and Isotherms. Water, Air, and Soil Pollution, 2008, 192, 141-153.	1.1	96
9	Preparation and immobilization of soluble eggshell membrane protein on the electrospun nanofibers to enhance cell adhesion and growth. Journal of Biomedical Materials Research - Part A, 2008, 86A, 364-373.	2.1	68
10	Equilibrium and kinetic studies of methyl violet sorption by agricultural waste. Journal of Hazardous Materials, 2008, 154, 204-212.	6.5	297
11	Utilization of ground eggshell waste as an adsorbent for the removal of dyes from aqueous solution. Bioresource Technology, 2008, 99, 1623-1629.	4.8	176
12	Development and characterization of mesoporosity in eggshell ground by planetary ball milling. Microporous and Mesoporous Materials, 2008, 111, 379-386.	2.2	70
13	Use of Eggshell Membrane as an Immobilization Platform in Microbial Sensing. Analytical Letters, 2008, 41, 2743-2758.	1.0	10
15	Cadmium(II) sorption from water samples by powdered marble wastes. Chemical Speciation and Bioavailability, 2008, 20, 249-260.	2.0	13
17	Preliminary studies of application of eggshell membrane as immobilization platform in sandwich immunoassay. Sensors and Actuators B: Chemical, 2009, 140, 200-205.	4.0	14
18	Mechanism of interactions of eggshell microparticles with epoxy resins. Polymer Engineering and Science, 2009, 49, 1383-1388.	1.5	44
19	A novel agricultural waste adsorbent for the removal of cationic dye from aqueous solutions. Journal of Hazardous Materials, 2009, 162, 305-311.	6.5	304
20	Utilization of calcium carbonate particles from eggshell waste as coating pigments for ink-jet printing paper. Bioresource Technology, 2009, 100, 6416-6421.	4.8	123

#	ARTICLE	IF	CITATIONS
21	Conversion of egg shell membrane to inorganic porous $Ce_xZr_{1-x}O_2$ fibrous network. Current Applied Physics, 2009, 9, 1438-1444.	1.1	11
22	Utilisation of eggshell membrane as an adsorbent for carbon dioxide. International Journal of Global Warming, 2010, 2, 252.	0.2	15
23	Removal of chromium(III) from water samples by a low-cost sorbent: application to a mixture of chromium(III) and chromium(VI). International Journal of Environmental Technology and Management, 2010, 12, 240.	0.1	2
24	High activity of acid-treated quail eggshell catalysts in the transesterification of palm oil with methanol. Bioresource Technology, 2010, 101, 8515-8519.	4.8	124
25	Evaluation of eggshell membrane-based bio-adsorbent for solid-phase extraction of linear alkylbenzene sulfonates coupled with high-performance liquid chromatography. Journal of Chromatography A, 2010, 1217, 5659-5664.	1.8	32
26	Adsorption of methylene blue on low-cost adsorbents: A review. Journal of Hazardous Materials, 2010, 177, 70-80.	6.5	2,390
27	A magic eggshell: Cu^{2+} reacts with S^{2-} to produce metal Cu, rather than CuS . Science Bulletin, 2010, 55, 1851-1853.	1.7	0
28	Effect of eggshell and silk fibroin on styrene-ethylene/butylene-styrene as bio-filler. Materials & Design, 2010, 31, 2216-2219.	5.1	50
29	Tris(8-hydroxyquinoline)aluminum (III) (Alq_3) nanowires templated from an eggshell membrane. Thin Solid Films, 2010, 518, 5488-5493.	0.8	13
30	Adsorption behavior of methylene blue on carbon nanotubes. Bioresource Technology, 2010, 101, 3040-3046.	4.8	675
31	Removal of various dyes from aqueous media onto polymeric gels by adsorption process: Their kinetics and thermodynamics. Desalination, 2010, 263, 249-257.	4.0	62
32	Adsorption of malathion on thermally treated egg shell material. Water Science and Technology, 2010, 61, 1035-1041.	1.2	37
34	Removal of Mercury from Wastewater by Adsorption Using Thiol-Functionalized Eggshell Membrane. Advanced Materials Research, 0, 113-116, 22-26.	0.3	15
35	Notice of Retraction: Adsorption Removal of Cadmium (II) from Aqueous Solution by Using Modified Eggshell Membrane. , 2011, , .		1
36	Polyethyleneimine modified eggshell membrane as a novel biosorbent for adsorption and detoxification of $Cr(VI)$ from water. Journal of Materials Chemistry, 2011, 21, 17413.	6.7	174
37	Improving the Adsorption of Heavy Metals from Water Using Commercial Carbons Modified with Egg Shell Wastes. Industrial & Engineering Chemistry Research, 2011, 50, 9354-9362.	1.8	63
38	Determination of Trace Silver in Polymetallic Ore Samples by Flame Atomic Absorption Spectrometry after Solid-Phase Extraction Using a Microcolumn Comprising Eggshell Membrane. Geostandards and Geoanalytical Research, 2011, 35, 461-469.	1.7	14
39	Microwave synthesis of wollastonite powder from eggshells. Journal of the European Ceramic Society, 2011, 31, 2435-2440.	2.8	71

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40	Adsorption of methylene blue dye from aqueous solution by agricultural waste: Equilibrium, thermodynamics, kinetics, mechanism and process design. <i>Colloid Journal</i> , 2011, 73, 651-661.	0.5	74
41	Studies of Fluorescence Immunosensor Using Eggshell Membrane as Immobilization Matrix. <i>Journal of Fluorescence</i> , 2011, 21, 339-346.	1.3	8
42	Alternative Low-cost Adsorbent for Water and Wastewater Decontamination Derived from Eggshell Waste: An Overview. <i>Waste and Biomass Valorization</i> , 2011, 2, 157-167.	1.8	106
43	Biosorption of Cu(II) onto agricultural materials from tropical regions. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1184-1194.	1.6	27
44	An economically viable removal of methylene blue by adsorption on activated carbon prepared from rice husk. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 377-383.	0.9	53
45	Sorption of phosphate onto giant reed based adsorbent: FTIR, Raman spectrum analysis and dynamic sorption/desorption properties in filter bed. <i>Bioresource Technology</i> , 2011, 102, 5278-5282.	4.8	64
46	Notice of Retraction: Preconcentration of Heavy Metal Lead in Environmental Water Sample with Chicken Eggshell Membrane Cartridge Prior to Atomic Absorption Spectrometry. , 2011, , .		0
47	Monitoring of heavy metal cadmium in environmental water sample by eggshell membrane preconcentration coupled with GF-AAS. , 2011, , .		2
48	Synthesis and Characterizations of Nanoparticle Sulfur Using Eggshell Membrane as Template. <i>Materials Science Forum</i> , 2011, 675-677, 279-282.	0.3	11
49	Adsorption for the Removal of Malachite Green by Using Eggshell Membrane in Environment Water Samples. <i>Advanced Materials Research</i> , 0, 573-574, 63-67.	0.3	2
50	Preparation and Characterization of Soluble Eggshell Membrane Protein/PLGA Electrospun Nanofibers for Guided Tissue Regeneration Membrane. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	1.5	19
51	Eggshell Membrane Biomaterials for Adsorption and Determination of Mn(II, VII) in Environmental Water. <i>Advanced Materials Research</i> , 0, 457-458, 536-539.	0.3	3
52	Eggshell Particles (ESP) as Potential Adsorbent for Styryl Pyridinium Dyes—A Kinetic and Thermodynamic Study. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 1012-1020.	1.3	14
53	Technical Aspects of Adsorption Process onto an Innovative Eggshell-Derived Low-Cost Adsorbent. <i>Materials Science Forum</i> , 2012, 730-732, 648-652.	0.3	3
54	A Review of Vortex Grit Basin Design. <i>Proceedings of the Water Environment Federation</i> , 2012, 2012, 5715-5734.	0.0	0
55	Removal of methylene blue from aqueous solution using acid/base treated rice husk as an adsorbent. <i>Desalination and Water Treatment</i> , 2012, 49, 376-383.	1.0	19
56	Adsorption of Cu ²⁺ from aqueous solution onto iron oxide coated eggshell powder: Evaluation of equilibrium, isotherms, kinetics, and regeneration capacity. <i>Arabian Journal of Chemistry</i> , 2012, 5, 353-359.	2.3	107
57	Synthesis of dimethyl carbonate over waste eggshell catalyst. <i>Catalysis Today</i> , 2012, 190, 107-111.	2.2	74

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58	Biosorption of methylene blue from aqueous solutions by a waste biomaterial: hen feathers. <i>Applied Water Science</i> , 2012, 2, 209-219.	2.8	48
59	Biosorption of Direct Red 28 (Congo Red) from Aqueous Solutions by Eggshells: Batch and Column Studies. <i>Separation Science and Technology</i> , 2012, 47, 112-123.	1.3	63
60	Safety evaluation of a natural eggshell membrane-derived product. <i>Food and Chemical Toxicology</i> , 2012, 50, 604-611.	1.8	35
61	Sorption of Zn(II) ion onto the surface of activated carbon derived from eucalyptus bark saw dust from industrial wastewater: isotherm, kinetics, mechanistic modeling, and thermodynamics. <i>Desalination and Water Treatment</i> , 2012, 46, 332-351.	1.0	28
62	Extraction of <i>Candida antarctica</i> lipase A from aqueous solutions using imidazolium-based ionic liquids. <i>Separation and Purification Technology</i> , 2012, 97, 205-210.	3.9	55
63	Effect of Acetic Acid and Commercial Protease Pretreatment on Salting and Characteristics of Salted Duck Egg. <i>Food and Bioprocess Technology</i> , 2012, 5, 1502-1510.	2.6	21
64	Synthesis of layered double hydroxides from eggshells. <i>Materials Chemistry and Physics</i> , 2012, 132, 39-43.	2.0	20
65	Fire-resistive performance of intumescent flame-retardant coatings for steel. <i>Materials & Design</i> , 2012, 34, 719-724.	5.1	107
66	A comparative performance evaluation of jute and eggshell matrices to immobilize pancreatic lipase. <i>Process Biochemistry</i> , 2012, 47, 749-757.	1.8	28
67	The Potential of Chicken Eggshell Waste as a Bio-filler Filled Epoxidized Natural Rubber (ENR) Composite and its Properties. <i>Journal of Polymers and the Environment</i> , 2013, 21, 245-258.	2.4	89
68	Removal of humic acid from peat water using untreated powdered eggshell as a low cost adsorbent. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 1357-1366.	1.8	43
69	Chemical Adsorption Enhanced CO ₂ Capture and Photoreduction over a Copper Porphyrin Based Metal Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7654-7658.	4.0	273
70	Biodegradation of thermoplastic starch/eggshell powder composites. <i>Carbohydrate Polymers</i> , 2013, 97, 315-320.	5.1	123
71	Sonochemical effect on size reduction of CaCO ₃ nanoparticles derived from waste eggshells. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 1308-1315.	3.8	68
72	Hydrogen peroxide treatment of eggshell membrane to control porosity. <i>Food Chemistry</i> , 2013, 141, 2117-2121.	4.2	32
73	Removal of Crystal Violet from Aqueous Solution by Adsorption onto Eggshells: Equilibrium, Kinetics, Thermodynamics and Artificial Neural Network Modeling. <i>Waste and Biomass Valorization</i> , 2013, 4, 655-664.	1.8	33
74	Solid-phase extraction based on polyethyleneimine-modified eggshell membrane coupled with FAAS for the selective determination of trace copper(ii) ions in environmental and food samples. <i>Analytical Methods</i> , 2013, 5, 6486.	1.3	19
75	Kinetic, Equilibrium and Thermodynamic Studies on the Adsorption of Eu(III) by Eggshell from Aqueous Solutions. <i>Adsorption Science and Technology</i> , 2013, 31, 891-902.	1.5	6

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76	Sorption mechanism of Cd(II) from water solution onto chicken eggshell. <i>Applied Surface Science</i> , 2013, 276, 682-690.	3.1	71
77	Increased collagen accumulation in eggshell membrane after feeding with dietary wood charcoal powder and vinegar. <i>Connective Tissue Research</i> , 2013, 54, 416-425.	1.1	12
78	Integration of thermal insulation coating and moving-air-cavity in a cool roof system for attic temperature reduction. <i>Energy Conversion and Management</i> , 2013, 75, 241-248.	4.4	58
79	Transcriptional profiling in rats and an ex vivo analysis implicate novel beneficial function of egg shell membrane in liver fibrosis. <i>Journal of Functional Foods</i> , 2013, 5, 1611-1619.	1.6	15
80	The formulation and study of the thermal stability and mechanical properties of an acrylic coating using chicken eggshell as a novel bio-filler. <i>Progress in Organic Coatings</i> , 2013, 76, 1549-1555.	1.9	47
81	Biomimetic carbon dioxide sequestration using immobilized bio-composite materials. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 93, 15-22.	1.8	12
82	Biosorption of Multifold Toxic Heavy Metal Ions from Aqueous Water onto Food Residue Eggshell Membrane Functionalized with Ammonium Thioglycolate. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 4988-4996.	2.4	75
83	Calcined eggshell (CES): An efficient natural catalyst for Knoevenagel condensation under aqueous condition. <i>Journal of Chemical Sciences</i> , 2013, 125, 851-857.	0.7	19
84	Amino Acid Modified Eggshell Powder (AA-ESP) – A Novel Bio-Solid Scaffold for Adsorption of Some Styrylpyridinium Dyes. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 1099-1112.	1.3	9
85	Preparation and Characterization the Cheap Mineral (Calcium Compound): The Preliminary Survey in the Natural Material. <i>Advanced Materials Research</i> , 0, 770, 303-306.	0.3	0
86	Adsorption of Some Tailor-Made Styrylpyridinium Dyes on Sodium Dodecylsulphate-Treated Eggshell Particles (SDS-ESP): Impact of Dye Chain-Length and Substituent. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 898-907.	1.3	10
87	Removal of Methylene Blue Dye by Using Eggshell Powder. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 65, .	0.3	6
88	Removal of Etyhl Orange Dye using Waste Eggshell. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 64, .	0.3	1
89	Fire Propagation Performance of Intumescent Fire Protective Coatings Using Eggshells as a Novel Biofiller. <i>Scientific World Journal, The</i> , 2014, 2014, 1-9.	0.8	22
90	Synthesis and characterization of biomorphic CeO ₂ obtained by using egg shell membrane as template. <i>Processing and Application of Ceramics</i> , 2014, 8, 81-85.	0.4	10
91	Preparation and characterization of polyurethane/soluble eggshell membrane nanofibers. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 1979-1989.	0.4	14
92	Sonochemical synthesis and characterisation of bio-based hydroxyapatite nanoparticles. <i>International Journal of Nano and Biomaterials</i> , 2014, 5, 103.	0.1	6
93	PCL/Eggshell Scaffolds for Bone Regeneration. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
94	Physicochemical properties of nanopowdered eggshell. <i>International Journal of Food Science and Technology</i> , 2014, 49, 1751-1757.	1.3	19
95	Empirical Equilibrium Study on Rice Husk and Eggshells as Low Cost Bioadsorbent for the Methylene Blue Removal. <i>Applied Mechanics and Materials</i> , 0, 699, 221-226.	0.2	0
96	Eggshell Quality, Eggshell Structure and Small Intestinal Histology in Laying Hens Fed Dietary Pantoea-6^A and Plant Extracts. <i>Italian Journal of Animal Science</i> , 2014, 13, 3163.	0.8	10
97	Synthesis of activated carbon based on apricot stones for wastewater treatment. <i>Desalination and Water Treatment</i> , 2014, 52, 1422-1433.	1.0	15
98	Biosorptive removal of cationic dye from aqueous system: a response surface methodological approach. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 1015-1025.	2.1	31
99	Soluble eggshell membrane protein modified porous silk fibroin scaffolds with enhanced cell adhesion and proliferation properties. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	26
100	Electrospun oxime-grafted-polyacrylonitrile nanofiber membrane and its application to the adsorption of dyes. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	28
101	Study of adsorption of phenol on activated carbons obtained from eggshells. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 106, 41-47.	2.6	70
102	Eggshell membrane biomaterial as a platform for applications in materials science. <i>Acta Biomaterialia</i> , 2014, 10, 3827-3843.	4.1	201
103	Sorption on eggshell waste – A review on ultrastructure, biomineralization and other applications. <i>Advances in Colloid and Interface Science</i> , 2014, 209, 49-67.	7.0	133
104	Design and fabrication of cubic eggshell containing chick embryo for a novel biomedical platform. , 2014, , .		1
105	KINETIC AND ISOTHERM STUDY OF CLIPPER ADSORPTION FROM AQUEOUS SOLUTION USING WASTE EGGSHELL. <i>Journal of Environmental Engineering and Landscape Management</i> , 2014, 22, 132-140.	0.4	11
106	Recycling chicken eggshell membranes for high-capacity sodium battery anodes. <i>RSC Advances</i> , 2014, 4, 50950-50954.	1.7	31
107	Biogenic synthesis of photocatalytically active ZnS/ESM composites. <i>RSC Advances</i> , 2014, 4, 13569.	1.7	10
108	Reduction of Hexavalent Chromium Using Recyclable Pt/Pd Nanoparticles Immobilized on Procyanidin-Grafted Eggshell Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 13635-13643.	1.8	95
109	Bioderived "Green" Composite from Soy Protein and Eggshell Nanopowder. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2329-2337.	3.2	79
110	Eggshell Membrane-Based Biotemplating of Mixed Hemimicelle/Admicelle as a Solid-Phase Extraction Adsorbent for Carcinogenic Polycyclic Aromatic Hydrocarbons. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 8051-8059.	2.4	21
111	Magnetite-doped eggshell membrane as a magnetic sorbent for extraction of aluminum(III) ions prior to their fluorometric determination. <i>Mikrochimica Acta</i> , 2014, 181, 1797-1805.	2.5	14

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112	Facile in Situ Synthesis of Silver Nanoparticles on Procyanidin-Grafted Eggshell Membrane and Their Catalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4638-4649.	4.0	175
113	Adsorption studies for the simultaneous removal of arsenic and selenium using naturally prepared adsorbent materials. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 1723-1732.	1.8	18
114	Use of Sodium Dodecyl Sulfate Pretreatment and 2 σ stage Curing for Improved Quality of Salted Duck Eggs. <i>Journal of Food Science</i> , 2014, 79, E354-61.	1.5	16
115	Eggshell-membrane-templated synthesis of hierarchically-ordered NiO σ Ce σ 0.8Gd σ 0.2O σ 1.9 composite powders and their electrochemical performances as SOFC anodes. <i>Ceramics International</i> , 2014, 40, 3295-3304.	2.3	28
116	Removal of cationic dye methylene blue (MB) from aqueous solution by ground raw and base modified pine cone powder. <i>Environmental Earth Sciences</i> , 2014, 71, 1507-1519.	1.3	75
117	Removal of Nickel and Silver Ions Using Eggshells with Membrane, Eggshell Membrane, and Eggshells. <i>Food Science and Technology Research</i> , 2014, 20, 337-343.	0.3	21
118	Chemical and Structural Properties of Polyethyleneimine Film Coated on a SiO σ 2 σ Substrate in Different Concentrations. <i>Materials Transactions</i> , 2014, 55, 801-805.	0.4	20
119	Development of an Integrated Process for Eggshell Valorization. , 2014, , .		1
120	Advancement in heterogeneous base catalyzed technology: An efficient production of biodiesel fuels. <i>Journal of Renewable and Sustainable Energy</i> , 2015, 7, .	0.8	40
121	Biosorption of mercury from aqueous solution and oilfield produced water by pristine and sulfur functionalized rice residues. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1298-1310.	1.3	14
122	Utilization of Chicken Eggshell Waste as a Bio-Filler for Thermoplastic Polymers: Thermal and Mechanical Characterization of Polypropylene Filled with Naturally Derived CaCo σ 3 σ . <i>Polymers and Polymer Composites</i> , 2015, 23, 653-662.	1.0	23
123	Visualisation of Latent Fingerprint on Wild Bird Eggshells by Alternate Light Sources Following Superglue Fuming. <i>Journal of Forensics Research</i> , 2015, 06, .	0.1	1
124	Egg-in-Cube: Design and Fabrication of a Novel Artificial Eggshell with Functionalized Surface. <i>PLoS ONE</i> , 2015, 10, e0118624.	1.1	15
125	A Highly Sensitive and Selective Hydrogen Peroxide Biosensor Based on Gold Nanoparticles and Three-Dimensional Porous Carbonized Chicken Eggshell Membrane. <i>PLoS ONE</i> , 2015, 10, e0130156.	1.1	20
126	Production and Characterisation of PCL/ES Scaffolds for Bone Tissue Engineering. <i>Materials Today: Proceedings</i> , 2015, 2, 208-216.	0.9	16
127	Selective label-free electrochemical impedance measurement of glycated haemoglobin on 3-aminophenylboronic acid-modified eggshell membranes. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5287-5297.	1.9	12
128	In vitro analysis of particle penetration of smokeless tobacco forms using egg shell membrane as a substrate. <i>Journal of Cancer Research and Therapeutics</i> , 2015, 11, 204.	0.3	2
129	Preparation and characterization of a strong solid base from waste eggshell for biodiesel production. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 560-564.	3.3	22

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130	Eggshell membrane ameliorates hepatic fibrogenesis in human C3A cells and rats through changes in PPAR α -Endothelin 1 signaling. <i>Scientific Reports</i> , 2014, 4, 7473.	1.6	13
131	Eggshells: A novel bio-filler for intumescent flame-retardant coatings. <i>Progress in Organic Coatings</i> , 2015, 81, 116-124.	1.9	79
132	Application of chicken eggshell waste as a starting material for synthesizing calcium niobate (Ca ₄ Nb ₂ O ₉) powder. <i>Ceramics International</i> , 2015, 41, S69-S75.	2.3	14
133	Eggshell: A green adsorbent for heavy metal removal in an MBR system. <i>Ecotoxicology and Environmental Safety</i> , 2015, 121, 57-62.	2.9	54
134	A tetracycline-selective fluorescent biosensor using anthranilic acid immobilized on a glutaraldehyde-coated eggshell membrane. <i>Analytical Methods</i> , 2015, 7, 6842-6847.	1.3	7
135	Calcined eggshell as an inexpensive catalyst for partial oxidation of methane. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 57, 123-128.	2.7	24
136	Development of glucose biosensor based on ZnO nanoparticles film and glucose oxidase-immobilized eggshell membrane. <i>Sensing and Bio-Sensing Research</i> , 2015, 4, 46-56.	2.2	47
137	Superhydrophobic mesoporous material as a pH-sensitive organic dye adsorbent. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 22, 288-295.	2.9	21
138	Sustainable Bio-Inspired Limestone Eggshell Powder for Potential Industrialized Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 941-949.	3.2	113
139	Heavy metal removal from acid mine drainage by calcined eggshell and microalgae hybrid system. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13404-13411.	2.7	64
140	The potential of waste cooking oil-based biodiesel using heterogeneous catalyst derived from various calcined eggshells coupled with an emulsification technique: A review on the emission reduction and engine performance. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 47, 589-603.	8.2	77
141	Facile synthesis of eggshell-stabilized erythromycin-based imprinted composites for recognition and separation applications. <i>RSC Advances</i> , 2015, 5, 89030-89040.	1.7	4
142	Tea waste-supported hydrated manganese dioxide (HMO) for enhanced removal of typical toxic metal ions from water. <i>RSC Advances</i> , 2015, 5, 88900-88907.	1.7	25
143	Egg shell membrane – a potential natural scaffold for human meniscal tissue engineering: an in vitro study. <i>RSC Advances</i> , 2015, 5, 76019-76025.	1.7	32
144	Preparation and evaluation of chitosan-coated eggshell particles as copper(II) biosorbent. <i>Desalination and Water Treatment</i> , 2016, 57, 1693-1704.	1.0	14
145	Ion-Embedding for Soft Compliant Electrode Based on Natural Rubber Latex by UV Curing System. <i>Annals of Clinical and Laboratory Research</i> , 2016, 4, .	0.1	0
146	Green Biodiesel Synthesis Using Waste Shells as Sustainable Catalysts with <i>Camelina sativa</i> Oil. <i>Journal of Chemistry</i> , 2016, 2016, 1-10.	0.9	17
147	Preliminary studies on immobilization of lipase using chicken eggshell. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 36, 012026.	0.2	6

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148	Nutritional Supplement of Hatchery Eggshell Membrane Improves Poultry Performance and Provides Resistance against Endotoxin Stress. PLoS ONE, 2016, 11, e0159433.	1.1	8
149	Optimisation using central composite design (CCD) and the desirability function for sorption of methylene blue from aqueous solution onto Lemna major. Karbala International Journal of Modern Science, 2016, 2, 145-155.	0.5	125
150	Poly(sodium methacrylate)/eggshell particles hydrogel composites as dye sorbent. Water Science and Technology, 2016, 74, 2807-2818.	1.2	9
151	Fabrication of silk fibroin/eggshell nanofiber membranes for facemasks. Fibers and Polymers, 2016, 17, 1776-1781.	1.1	20
152	Removal of Phosphates from Water Using Eggshell Bio Sorbents. Key Engineering Materials, 0, 721, 149-153.	0.4	2
153	Nitrogen-doped carbon nanofoam derived from amino acid chelate complex for supercapacitor applications. Journal of Power Sources, 2016, 316, 60-71.	4.0	41
154	Soluble eggshell membrane: A natural protein to improve the properties of biomaterials used for tissue engineering applications. Materials Science and Engineering C, 2016, 67, 807-821.	3.8	83
155	Synthesis of layered double hydroxides containing Mg ²⁺ , Zn ²⁺ , Ca ²⁺ and Al ³⁺ layer cations by co-precipitation methods—A review. Applied Surface Science, 2016, 383, 200-213.	3.1	282
156	Determination of ascorbic acid using CdTe quantum dots immobilized on eggshell membrane surface as a turn-on fluorescence probe. Journal of Luminescence, 2016, 180, 146-150.	1.5	6
157	Semi-rigid foams of calcium silicate (CaSiO ₃) embedded in natural rubber latex. Plastics, Rubber and Composites, 2016, 45, 304-310.	0.9	2
158	Fabrication of magnetic imprinted sorbents prepared by Pickering emulsion polymerization for adsorption of erythromycin from aqueous solution. Journal of Environmental Chemical Engineering, 2016, 4, 3570-3579.	3.3	21
159	Applications of egg shell and egg shell membrane as adsorbents: A review. Journal of Molecular Liquids, 2016, 223, 376-387.	2.3	210
160	Eggshell membrane: Review and impact on engineering. Biosystems Engineering, 2016, 151, 446-463.	1.9	86
161	Innovation of Embedding Eggshell to Enhance Physical-Mechanical-Thermal Properties in Fired Clay Bricks via Extrusion Process. MATEC Web of Conferences, 2016, 78, 01003.	0.1	7
162	Ultrasonic-assisted adsorption of methylene blue on sumac leaves. Desalination and Water Treatment, 2016, 57, 9286-9295.	1.0	18
163	Highly-sensitive organophosphorus pesticide biosensors based on CdTe quantum dots and bi-enzyme immobilized eggshell membranes. Analyst, The, 2016, 141, 1105-1111.	1.7	37
164	Rapid synthesis of nano-scale CeO ₂ by microwave-assisted sol-gel method and its application for CH ₃ SH catalytic decomposition. Journal of Environmental Chemical Engineering, 2016, 4, 311-318.	3.3	38
165	Waste chicken eggshell as a natural valuable resource and environmentally benign support for biosynthesis of catalytically active Cu/eggshell, Fe ₃ O ₄ /eggshell and Cu/Fe ₃ O ₄ /eggshell nanocomposites. Applied Catalysis B: Environmental, 2016, 191, 209-227.	10.8	182

#	ARTICLE	IF	CITATIONS
166	Microwave-assisted rapid synthesis of CeO ₂ nanoparticles and its desulfurization processes for CH ₃ SH catalytic decomposition. <i>Chemical Engineering Journal</i> , 2016, 289, 161-169.	6.6	80
167	Optimization of extraction of functional protein hydrolysates from chicken egg shell membrane (ESM) by ultrasonic assisted extraction (UAE) and enzymatic hydrolysis. <i>LWT - Food Science and Technology</i> , 2016, 69, 295-302.	2.5	104
168	Adsorption of cyanide from aqueous solution using calcinated eggshells: Equilibrium and optimisation studies. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1367-1375.	3.3	68
169	Synthesis of butyl butyrate in 93% yield by <i>Thermomyces lanuginosus</i> lipase on waste eggshells. <i>Environmental Chemistry Letters</i> , 2016, 14, 189-194.	8.3	6
170	Preparation and evaluation of hydrogel composites based on starch-PNaMA/eggshell particles as dye biosorbent. <i>Desalination and Water Treatment</i> , 2016, 57, 18144-18156.	1.0	14
171	Efficient adsorption of copper ion from aqueous solution by amino-functioned porous eggshell membrane. <i>Desalination and Water Treatment</i> , 2016, 57, 12178-12191.	1.0	7
172	Study on co-biosorption of Zn (II) and Cu (II) in liquid phase. <i>Desalination and Water Treatment</i> , 2016, 57, 12141-12155.	1.0	1
173	Mechanical, thermal, and morphological properties of (eggshell powder)-filled natural rubber latex foam. <i>Journal of Vinyl and Additive Technology</i> , 2017, 23, 3-12.	1.8	48
174	Electrochemical Sensor for Detection of Polyphenols in Tea and Wine with Differential Pulse Voltammetry and Electrochemical Impedance Spectroscopy Utilizing Tyrosinase and Gold Nanoparticles Decorated Biomembrane. <i>Journal of the Electrochemical Society</i> , 2017, 164, B118-B126.	1.3	17
175	Effects of chicken eggshell filler size on the processing, mechanical and thermal properties of PVC matrix composite. <i>Plastics, Rubber and Composites</i> , 2017, 46, 42-51.	0.9	26
176	Production and characterization of functional properties of protein hydrolysates from egg shell membranes by lactic acid bacteria fermentation. <i>Journal of Food Science and Technology</i> , 2017, 54, 1062-1072.	1.4	37
177	Glycerol oligomers production by etherification using calcined eggshell as catalyst. <i>Molecular Catalysis</i> , 2017, 433, 282-290.	1.0	28
178	Controllable synthesis of WO ₃ with different crystalline phases and its applications on methylene blue removal from aqueous solution. <i>Journal of Alloys and Compounds</i> , 2017, 722, 555-563.	2.8	49
179	Feasibility of sulfate-calcined eggshells for removing pathogenic bacteria and antibiotic resistance genes from landfill leachates. <i>Waste Management</i> , 2017, 63, 275-283.	3.7	25
180	Adsorption Study of Heavy Metal and Acid Dye on an Amphoteric Biomaterial Using Barbary Fig Skin. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 1487-1496.	1.7	8
181	Adsorptive removal of pentachlorophenol from aqueous solutions using powdered eggshell. <i>Archives of Environmental Protection</i> , 2017, 43, 10-16.	1.1	8
182	Eggshell as a New Biosorbent for the Removal of Pharmaceuticals From Aqueous Solutions. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1700082.	0.7	19
183	Performance and Emission Characteristics of Diesel Engine Fuelled with Waste Frying Oil Derived Biodiesel-Petroleum Diesel Blend. <i>International Journal of Engineering Research in Africa</i> , 0, 32, 100-111.	0.7	11

#	ARTICLE	IF	CITATIONS
184	Use of methyl esterified eggshell membrane for treatment of aqueous solutions contaminated with anionic sulfur dye. <i>Water Science and Technology</i> , 2017, 76, 2638-2646.	1.2	16
185	Modeling of batch sorber system: kinetic, mechanistic, and thermodynamic modeling. <i>Applied Water Science</i> , 2017, 7, 3173-3180.	2.8	11
186	Solar light-facilitated oxytetracycline removal from the aqueous phase utilizing a $H_2O_2/ZnWO_4/CaO$ catalytic system. <i>Journal of Taibah University for Science</i> , 2017, 11, 689-699.	1.1	71
187	Applications of industrial eggshell as a valuable anthropogenic resource. <i>Resources, Conservation and Recycling</i> , 2017, 123, 176-186.	5.3	93
188	Pelletization and Granulation of Calcium Oxide Powder Based on Eggshell. <i>Applied Mechanics and Materials</i> , 2017, 873, 135-139.	0.2	0
189	<i>Eggshell membrane: review and impact on engineering</i>. , 2017, , .		0
190	Finite Element Analysis of Mechanical Characteristics of Dropped Eggs Based on Fluid-Solid Coupling Theory. <i>Shock and Vibration</i> , 2017, 2017, 1-7.	0.3	3
191	Characterization of Activated Carbon from Eggshell Membranes Prepared Using Sodium Acetate and Zinc Metal Activation. <i>American Journal of Applied Sciences</i> , 2017, 14, 737-747.	0.1	7
192	Physicochemical Characterization of a Dental Eggshell Powder Abrasive Material. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2017, 15, e341-e346.	0.7	15
193	An Experimental Study on Operability of Master-Slave Manipulator System using Humanâ€“inâ€“the-Loop Type Simulator. <i>MATEC Web of Conferences</i> , 2017, 108, 05006.	0.1	0
194	Characteristics on Physical-Chemical-Thermal Properties of Eggshell Membrane for Biomaterial Applications. <i>Defect and Diffusion Forum</i> , 0, 382, 342-346.	0.4	4
195	Ball milling of eggshell waste as a green and sustainable approach: A review. <i>Advances in Colloid and Interface Science</i> , 2018, 256, 256-275.	7.0	98
196	Regenerable, innovative porous silicon-based polymer-derived ceramics for removal of methylene blue and rhodamine B from textile and environmental waters. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10619-10629.	2.7	19
197	CaO-based CO ₂ sorbents: A review on screening, enhancement, cyclic stability, regeneration and kinetics modelling. <i>Journal of CO₂ Utilization</i> , 2018, 23, 179-199.	3.3	164
198	Heavy metals in handloom-dyeing effluents and their biosorption by agricultural byproducts. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7954-7967.	2.7	32
199	A bilayered nanoshell for durable protection of single yeast cells against multiple, simultaneous hostile stimuli. <i>Chemical Science</i> , 2018, 9, 4730-4735.	3.7	23
200	Evaluation of Waste Eggshells for Adsorption of Copper from Synthetic and Swine Wastewater. <i>Transactions of the ASABE</i> , 2018, 61, 967-976.	1.1	3
201	Preparation of anhydrite from eggshell via pyrolysis. <i>Green Processing and Synthesis</i> , 2018, 7, 139-146.	1.3	12

#	ARTICLE	IF	CITATIONS
202	An efficient phosphorus scavenging from aqueous solution using magnesiothermally modified bio-calcite. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1638-1649.	1.2	19
203	Polymer-derived ceramic aerogels as sorbent materials for the removal of organic dyes from aqueous solutions. <i>Journal of the American Ceramic Society</i> , 2018, 101, 821-830.	1.9	46
204	Development of biomorphic alumina using egg shell membrane as bio-template. <i>Ceramics International</i> , 2018, 44, 4615-4621.	2.3	21
205	Eggshell membrane as a novel bio sorbent for remediation of boron from desalinated water. <i>Journal of Environmental Management</i> , 2018, 207, 405-416.	3.8	36
206	QUANTIFICATION OF THE CONTRIBUTION OF FILLER CHARACTERISTICS TO NATURAL RUBBER REINFORCEMENT USING PRINCIPAL COMPONENT ANALYSIS. <i>Rubber Chemistry and Technology</i> , 2018, 91, 79-96.	0.6	12
207	A study of kinetics and thermodynamics of methylene blue adsorption onto the Yellow River bottom sediment. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2018, 49, 1392-1398.	0.5	2
208	Electromechanical-Conductive Natural Rubber Doped Eggshell and Eggshell Membrane for Drug Delivery and Actuator Applications. <i>Materials Science Forum</i> , 0, 934, 43-49.	0.3	3
209	Eggshell as a potential CO ₂ sorbent in the calcium looping gasification of biomass. <i>Waste Management</i> , 2018, 80, 274-284.	3.7	25
210	Lead (II) Removal from Contaminated Soils by Electrokinetic Remediation Coupled with Modified Eggshell Waste. <i>Key Engineering Materials</i> , 0, 777, 256-261.	0.4	5
211	Study of physical and dielectric properties of bio-waste-derived synthetic wollastonite. <i>Journal of Asian Ceramic Societies</i> , 2018, 6, 289-298.	1.0	32
212	Eggshell waste to produce building lime: calcium oxide reactivity, industrial, environmental and economic implications. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018, 51, 1.	1.3	44
213	Application of eggshell wastes as valuable and utilizable products: A review. <i>Research in Agricultural Engineering</i> , 2018, 64, 104-114.	0.5	117
214	The effects of egg shell and shrimp shell on the properties of baked starch foam. <i>Powder Technology</i> , 2018, 335, 354-359.	2.1	37
215	Utilization of eggshell as a low-cost precursor for synthesizing calcium niobate ceramic. <i>Green Materials</i> , 2018, 6, 108-116.	1.1	4
216	Experimental analysis on the active and passive cool roof systems for industrial buildings in Malaysia. <i>Journal of Building Engineering</i> , 2018, 19, 134-141.	1.6	39
217	Influences of nano bio-filler on the fire-resistive and mechanical properties of water-based intumescent coatings. <i>Progress in Organic Coatings</i> , 2018, 124, 33-40.	1.9	40
218	Fire Protection Performance and Thermal Behavior of Thin Film Intumescent Coating. <i>Coatings</i> , 2019, 9, 483.	1.2	17
219	Development of Biofloculant from Chicken's Eggshell Membrane to Harvest <i>Chlorella vulgaris</i> . <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012121.	0.2	6

#	ARTICLE	IF	CITATIONS
220	Wasted salted duck eggshells as an alternative adsorbent for phosphorus removal. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103443.	3.3	20
221	A single step process to synthesize ordered porous carbon from coconut shells-eggshells biowaste. <i>Materials Research Express</i> , 2019, 6, 115613.	0.8	6
222	Mathematical model of hypoxia and tumor signaling interplay reveals the importance of hypoxia and cell-to-cell variability in tumor growth inhibition. <i>BMC Bioinformatics</i> , 2019, 20, 507.	1.2	2
223	Thickness-Tunable Eggshell Membrane Hydrolysate Nanocoating with Enhanced Cytocompatibility and Neurite Outgrowth. <i>Langmuir</i> , 2019, 35, 12562-12568.	1.6	14
224	Treatment of biowaste to pharmaceutical excipient. <i>Materials Today: Proceedings</i> , 2019, 15, 316-322.	0.9	2
225	Eco-Friendly Photocatalyst Derived from Egg Shell Waste for Dye Degradation. <i>Journal of Chemistry</i> , 2019, 2019, 1-13.	0.9	13
226	REINFORCED MECHANICAL PROPERTIES OF FUNCTIONALIZED SILICA AND EGGSHELL FILLED GUAYULE NATURAL RUBBER COMPOSITES. <i>Rubber Chemistry and Technology</i> , 2019, 92, 687-708.	0.6	9
227	Electrospun Nanofibers for Food and Food Packaging Technology. , 2019, , 455-516.		16
228	Adsorption and identification of traces of dyes in aqueous solutions using chemically modified eggshell membranes. <i>Bioresource Technology Reports</i> , 2019, 7, 100267.	1.5	17
229	ADSORPTION OF CATIONIC DYE FROM AQUEOUS SOLUTION USING COMPOSITE CHICKEN EGGSHELL - ANTHILL CLAY: OPTIMIZATION OF ADSORBENT PREPARATION CONDITIONS. <i>Acta Polytechnica</i> , 2019, 59, 192-202.	0.3	8
230	Egg Shell Powders-Coated Membrane for Surfactant-Stabilized Crude Oil-in-Water Emulsions Efficient Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10880-10887.	3.2	138
231	Preparation of hydrogel composites using Ca ²⁺ and Cu ²⁺ ions as crosslinking agents. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	28
232	Mineralization of Calcium Carbonate Induced by Egg Substrate and an Electric Field. <i>Chemical Engineering and Technology</i> , 2019, 42, 1525-1532.	0.9	3
233	Soluble eggshell membrane protein-loaded chitosan/fucoidan nanoparticles for treatment of defective intestinal epithelial cells. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 949-958.	3.6	58
234	TiO ₂ modified hen-egg-shell-membrane as separator for Li-ion batteries. <i>Materials Research Express</i> , 2019, 6, 075512.	0.8	5
235	A new method for the speciation of arsenic species in water, seafood and cigarette samples using an eggshell membrane. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1879-1889.	1.2	3
236	Bio-compatible organic humidity sensor based on natural inner egg shell membrane with multilayer crosslinked fiber structure. <i>Scientific Reports</i> , 2019, 9, 5824.	1.6	30
237	Alternative green preparation of mesoporous calcium hydroxyapatite by chemical reaction of eggshell and phosphoric acid. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1989-1997.	1.1	10

#	ARTICLE	IF	CITATIONS
238	Plasmonically enhanced hybrid metalorganic random laser in eggshell biomembrane. <i>Optical Materials</i> , 2019, 91, 205-211.	1.7	9
239	Excellent Performance Integrated Both Adsorption and Photocatalytic Reaction Toward Degradation of Congo Red by CuO/Eggshell. <i>Materials Today: Proceedings</i> , 2019, 19, 1340-1345.	0.9	37
240	Photocatalytic Study of ZnO-CuO/ES on Degradation of Congo Red. <i>Materials Today: Proceedings</i> , 2019, 19, 1333-1339.	0.9	40
241	Soybean Oil Transesterification for Biodiesel Production with Micro-Structured Calcium Oxide (CaO) from Natural Waste Materials as a Heterogeneous Catalyst. <i>Energies</i> , 2019, 12, 4670.	1.6	21
242	Surface Separation Equilibria and Dynamics of Cationic Dye Loaded onto Citric Acid and Sodium Hydroxide Treated Eggshells. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	0.6	0
243	Calcined Eggshell as a P Reactive Media Filter—Batch Tests and Column Sorption Experiment. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 20.	1.1	3
244	Unprecedented high percentage of food waste powder filler in poly lactic acid green composites: synthesis, characterization, and volatile profile. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7263-7271.	2.7	23
245	Processed eggshell membrane powder: Bioinspiration for an innovative wound healing product. <i>Materials Science and Engineering C</i> , 2019, 95, 192-203.	3.8	54
246	Valorization of palm oil agro-waste into cellulose biosorbents for highly effective textile effluent remediation. <i>Journal of Cleaner Production</i> , 2019, 210, 697-709.	4.6	68
247	Design of low cost semi-crystalline calcium silicate from biomass for the improvement of the mechanical and microstructural properties of metakaolin-based geopolymer cements. <i>Materials Chemistry and Physics</i> , 2019, 223, 98-108.	2.0	33
248	Green synthesis of FeS anchored carbon fibers using eggshell membrane as a bio-template for energy storage application. <i>Journal of Alloys and Compounds</i> , 2019, 777, 974-981.	2.8	24
249	The chondrocyte cell proliferation of a chitosan/silk fibroin/egg shell membrane hydrogels. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 541-547.	3.6	37
250	Ultrasonic assisted graphene oxide nanosheet for the removal of phenol containing solution. <i>Environmental Technology and Innovation</i> , 2019, 13, 398-407.	3.0	37
251	Waste Conversion Into Sustainable and Reinforcing Fillers for Rubber Composites. , 2020, , 648-657.		1
252	Synergistic effects of Mg-substitution and particle size of chicken eggshells on hydrothermal synthesis of biphasic calcium phosphate nanocrystals. <i>Journal of Materials Science and Technology</i> , 2020, 36, 27-36.	5.6	11
253	Efficacy of spent tea waste as chemically impregnated adsorbent involving ortho-phosphoric and sulphuric acid for abatement of aqueous phenol— isotherm, kinetics and artificial neural network modelling. <i>Environmental Science and Pollution Research</i> , 2020, 27, 20629-20647.	2.7	16
254	Flocculation of <i>Chlorella vulgaris</i> by shell waste-derived bioflocculants for biodiesel production: Process optimization, characterization and kinetic studies. <i>Science of the Total Environment</i> , 2020, 702, 134995.	3.9	58
255	Agro-industrial wastes as potential carriers for enzyme immobilization: A review. <i>Chemosphere</i> , 2020, 244, 125368.	4.2	99

#	ARTICLE	IF	CITATIONS
256	Probing the Membrane Vibration of Single Living Cells by Using Nanopipettes. <i>ChemBioChem</i> , 2020, 21, 650-655.	1.3	8
257	Eggshell membrane-based water electrolysis cells. <i>Materials Chemistry Frontiers</i> , 2020, 4, 567-573.	3.2	3
258	Batch and continuous closed circuit semi-fluidized bed operation: Removal of MB dye using sugarcane bagasse biochar and alginate composite adsorbents. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103637.	3.3	95
259	Biogenic Pt/CaCO ₃ Nanocomposite as a Robust Catalyst toward Benzene Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2469-2480.	4.0	44
260	White Eggshells: A Potential Biowaste Material for Synergetic Adsorption and Naked-Eye Colorimetric Detection of Heavy Metal Ions from Aqueous Solution. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1746-1756.	4.0	42
261	Valorization of Eggshell Waste into Supported Copper Catalysts for Partial Oxidation of Methane. <i>International Journal of Environmental Research</i> , 2020, 14, 61-70.	1.1	7
262	Feasibility assessment of removal of heavy metals and soluble microbial products from aqueous solutions using eggshell wastes. <i>Clean Technologies and Environmental Policy</i> , 2020, 22, 773-786.	2.1	63
263	Mechanistic Study of Pb ²⁺ Removal from Aqueous Solutions Using Eggshells. <i>Water (Switzerland)</i> , 2020, 12, 2517.	1.2	2
264	Batch adsorption of methylene blue dye using <i>Enterolobium contortisiliquum</i> as bioadsorbent: Experimental, mathematical modeling and simulation. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 91, 362-371.	2.9	25
265	Effective separation of salts and dye using egg shell membrane (ESP) incorporated polyethersulfone polymer material. <i>Emergent Materials</i> , 2021, 4, 1413-1423.	3.2	4
266	Use of Eggshell as a Low-Cost Biomaterial for Coal Mine-Impacted Water (MIW) Remediation: Characterization and Statistical Determination of the Treatment Conditions. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	6
267	Modelling and appraisal of cadmium removal from water by sustainable bio-waste of hen egg shells. <i>International Journal of Environment and Waste Management</i> , 2020, 26, 102.	0.2	1
268	The present state of the use of eggshell powder in concrete: A review. <i>Journal of Building Engineering</i> , 2020, 32, 101583.	1.6	44
269	Real-time assessment and characterization of immobilized lipase onto a natural matrix and qualitative reaction kinetic studies using swept-source optical coherence tomography. <i>3 Biotech</i> , 2020, 10, 423.	1.1	0
270	Lightweight Cellular Glass Composite from Eggshell and Glass Cullet Powder for Insulation and Bioactive Glass Applications. <i>Key Engineering Materials</i> , 2020, 858, 151-156.	0.4	0
271	Adsorption of Remazol Brilliant Violet-5R Textile Dye from Aqueous Solutions by Using Eggshell Waste Biosorbent. <i>Scientific Reports</i> , 2020, 10, 8385.	1.6	48
272	Methylene blue adsorption by timbaeva (<i>Enterolobium contortisiliquum</i>)-derived materials. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27893-27903.	2.7	14
273	Valorization of waste eggshell-derived bioflocculant for harvesting <i>T. obliquus</i> : Process optimization, kinetic studies and recyclability of the spent medium for circular bioeconomy. <i>Bioresource Technology</i> , 2020, 307, 123205.	4.8	19

#	ARTICLE	IF	CITATIONS
274	Progress of Bio-Calcium Carbonate Waste Eggshell and Seashell Fillers in Polymer Composites: A Review. <i>Journal of Composites Science</i> , 2020, 4, 70.	1.4	97
275	Extraordinary adsorption of acidic fuchsine and malachite green onto cheap nano-adsorbent derived from eggshell. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1591-1602.	1.7	9
276	Sustainable Process for the Extraction of Potassium from Feldspar Using Eggshell Powder. <i>ACS Omega</i> , 2020, 5, 14990-14998.	1.6	12
277	Physicochemical and structural characteristics of nano eggshell calcium prepared by wet ball milling. <i>LWT - Food Science and Technology</i> , 2020, 131, 109721.	2.5	25
278	Synthesis, characterization and adsorption properties of sewage sludge derived biochar modified with eggshell. , 2020, , .		1
279	Preparation of core-shell structured polystyrene @ graphene oxide composite microspheres with high adsorption capacity and its removal of dye contaminants. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1078-1088.	1.0	14
280	Effect of embedding eggshells to form calcium feldspar as flux in porcelain via slip casting process for bio-dental and medical applications. <i>Materials Technology</i> , 2020, 35, 452-462.	1.5	2
281	Recovery of solid waste as functional heterogeneous catalysts for organic pollutant removal and biodiesel production. <i>Chemical Engineering Journal</i> , 2020, 401, 126104.	6.6	51
282	Development and characterization of magnetic eggshell membranes for lead removal from wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110307.	2.9	14
283	Environmental remediation of synthetic leachate produced from sanitary landfills using low-cost composite sorbent. <i>Environmental Technology and Innovation</i> , 2020, 18, 100680.	3.0	24
284	Biomass as a sustainable resource for value-added modern materials: a review. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 673-695.	1.9	51
285	Removal of Basic Fuchsin from water by using mussel powdered eggshell membrane as novel bioadsorbent: Equilibrium, kinetics, and thermodynamic studies. <i>Environmental Research</i> , 2020, 186, 109484.	3.7	42
286	Inorganic arsenic species removal from water using bone char: A detailed study on adsorption kinetic and isotherm models using error functions analysis. <i>Journal of Hazardous Materials</i> , 2021, 405, 124112.	6.5	75
287	Potential of Nafion /eggshell composite membrane for application in direct methanol fuel cell. <i>International Journal of Energy Research</i> , 2021, 45, 2245-2264.	2.2	23
288	Preparation of activated porous glass adsorbent through thermochemical reforming of ampoules and eggshells for remediation of direct blue dye pollution. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2021, 16, e2610.	0.8	9
289	Removal of methylene blue from aqueous solutions using a solid residue of the apple juice industry: Full factorial design, equilibrium, thermodynamics and kinetics aspects. <i>Journal of Molecular Structure</i> , 2021, 1224, 129296.	1.8	37
290	Removal of soluble microbial products and dyes using heavy metal wastes decorated on eggshell. <i>Chemosphere</i> , 2021, 270, 128615.	4.2	29
291	Eggshell membrane as feedstock in enzyme immobilization. <i>Journal of Biotechnology</i> , 2021, 325, 241-249.	1.9	22

#	ARTICLE	IF	CITATIONS
292	Production of biodiesel from pork fat using alumina-doped calcium oxide nanocomposite as heterogeneous catalyst. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021, 43, 1386-1395.	1.2	12
293	Eggshell and rice husk ash utilization as reinforcement in development of composite material: A review. <i>Materials Today: Proceedings</i> , 2021, 43, 426-433.	0.9	8
294	Highly Efficient Urea Oxidation via Nesting Nano-Nickel Oxide in Eggshell Membrane-Derived Carbon. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1703-1713.	3.2	85
295	Emerging Technologies for the Treatment of Food Waste. , 2021, , 345-376.		1
296	Mussel shells as sustainable catalyst: Synthesis of liquid fuel from non edible seeds of <i>Bauhinia malabarica</i> and <i>Gymnosporia montana</i> . <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100124.	2.9	4
297	Application of Waste Egg Shell for Adsorption of Cd(II) and Pb(II) Ions to Protect Environment: Equilibrium, Kinetic and Adsorption Studies. <i>Oriental Journal of Chemistry</i> , 2021, 37, 128-135.	0.1	5
298	Ethanol amine functionalized electrospun nanofibers membrane for the treatment of dyes polluted wastewater. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 3153-3166.	1.6	10
299	Valorization of Raw and Calcined Chicken Eggshell for Sulfur Dioxide and Hydrogen Sulfide Removal at Low Temperature. <i>Catalysts</i> , 2021, 11, 295.	1.6	16
300	Preparation and characterization of a soluble eggshell membrane/agarose composite scaffold with possible applications in cartilage regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021, 15, 375-387.	1.3	15
301	Fluoride removal by thermally treated egg shells with high adsorption capacity, low cost, and easy acquisition. <i>Environmental Science and Pollution Research</i> , 2021, 28, 35887-35901.	2.7	29
302	Efficient and Low-Cost Removal of Methylene Blue using Activated Natural Kaolinite Material. <i>Journal of Multidisciplinary Applied Natural Science</i> , 2021, 1, 69-77.	1.6	6
303	Utilization of Eggshell Membrane and Olive Leaf Extract for the Preparation of Functional Materials. <i>Foods</i> , 2021, 10, 806.	1.9	6
304	Effects of Oral Supplementation of Muttaijow complex™ on Human Skin, Hair and Nail Physiology. <i>Research Journal of Topical and Cosmetic Sciences</i> , 2021, , 32-39.	0.1	1
305	Effects of Oral Supplementation of Trichovitals™ on Human Skin, Hair and Nail Physiology. <i>Research Journal of Topical and Cosmetic Sciences</i> , 2021, , 52-59.	0.1	0
306	Influence of the synthetic calcium aluminate hydrate and the mixture of calcium aluminate and silicate hydrates on the compressive strengths and the microstructure of metakaolin-based geopolymer cements. <i>Materials Chemistry and Physics</i> , 2021, 264, 124459.	2.0	15
307	A coagulation-flocculation process combined with continuous adsorption using eggshell waste materials for phenols and PAHs removal from landfill leachate. <i>Environmental Engineering Research</i> , 2022, 27, 210133-0.	1.5	3
308	A Survey of Recent Patents in Engineering Technology for the Screening, Separation and Processing of Eggshell. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 677559.	2.0	8
309	Celulose (<i>Mangifera indica</i>) modificada por melamina-silica aplicada no tratamento de efluentes com precipitação química assistida. <i>Research, Society and Development</i> , 2021, 10, e3710615331.	0.0	1

#	ARTICLE	IF	CITATIONS
310	Sonocatalytic performance of eggshells loaded with transition metal ions for decolorization of crystal violet dye. <i>Materials Research Bulletin</i> , 2021, 138, 111201.	2.7	12
311	Synthesis and characterization of Egg shell (ES) and Egg shell with membrane (ESM) modified by ionic liquids. <i>Chemical Data Collections</i> , 2021, 33, 100717.	1.1	16
313	Efficiency of eggshell as a low-cost adsorbent for removal of cadmium: kinetic and isotherm studies. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 6163-6174.	2.9	21
314	Waste Eggshell with naturally-functionalized sulfonic groups as excellent support for loading Pd and Ag nanoparticles towards enhanced 1,3-butadiene hydrogenation. <i>Molecular Catalysis</i> , 2021, 510, 111689.	1.0	3
315	Fossil eggshells of amniotes as a paleothermometry tool. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 571, 110376.	1.0	12
316	Eggshell as a biomaterial can have a sorption capability on its surface: A spectroscopic research. <i>Royal Society Open Science</i> , 2021, 8, 210100.	1.1	9
317	The eggshell membrane: A potential biomaterial for corneal wound healing. <i>Journal of Biomaterials Applications</i> , 2021, 36, 912-929.	1.2	19
318	Utilization prospects of eggshell powder in sustainable construction material – A review. <i>Construction and Building Materials</i> , 2021, 293, 123465.	3.2	79
319	Eggshell derived hydroxyapatite microspheres for chromatographic applications by a novel dissolution - precipitation method. <i>Ceramics International</i> , 2021, 47, 18575-18583.	2.3	16
320	Obtaining Antioxidants and Natural Preservatives from Food By-Products through Fermentation: A Review. <i>Fermentation</i> , 2021, 7, 106.	1.4	20
321	Synthesis and characterization of bioinspired nano-hydroxyapatite by wet chemical precipitation. <i>Ceramics International</i> , 2021, 47, 32775-32785.	2.3	31
322	Study on the performance of carbonate-mineralized bacteria combined with eggshell for immobilizing Pb and Cd in water and soil. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2924-2935.	2.7	21
323	ECOFRIENDLY ADSORBENT FROM FOOD WASTE FOR WATER PURIFICATION. <i>International Journal of Research -GRANTHAALAYAH</i> , 2021, 9, 40-50.	0.1	0
324	Beneficial effect on rapid skin wound healing through carboxylic acid-treated chicken eggshell membrane. <i>Materials Science and Engineering C</i> , 2021, 128, 112350.	3.8	17
325	Mechanistic insights into the adsorption of methylene blue by particulate durian peel waste in water. <i>Water Science and Technology</i> , 2021, 84, 1774-1792.	1.2	10
326	A novel orange-red Sm ³⁺ -doped CaSiO ₃ nanostructured phosphor derived from agro food waste materials for white light applications. <i>Ceramics International</i> , 2021, 47, 26704-26711.	2.3	7
327	Synthesis of SERS imprinted membrane based on Ag/ESM with different morphologies for selective detection of antibiotics in aqueous sample. <i>Optical Materials</i> , 2021, 121, 111581.	1.7	7
328	Restoring phosphorus from water to soil: Using calcined eggshells for P adsorption and subsequent application of the adsorbent as a P fertilizer. <i>Chemosphere</i> , 2022, 287, 132267.	4.2	28

#	ARTICLE	IF	CITATIONS
329	Adsorption of methyl red dye from aqueous solution onto eggshell waste material: Kinetics, isotherms and thermodynamic studies. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100180.	2.9	37
330	A new bioremediation method for removal of wastewater containing oils with high oleic acid composition: <i>Acinetobacter haemolyticus</i> lipase immobilized on eggshell membrane with improved stabilities. <i>New Journal of Chemistry</i> , 2021, 45, 1984-1992.	1.4	10
331	Removal of lead (Pb) in soil by eggshells activated carbon. , 2021, , .		0
332	Room temperature synthesis of porous gold nanostructures by controlled transmetalation reaction via chicken egg shell membrane. <i>Materials Chemistry and Physics</i> , 2017, 202, 22-30.	2.0	3
333	Value-added Uses of Eggshell and Eggshell Membranes. <i>Food Chemistry, Function and Analysis</i> , 2019, , 359-397.	0.1	8
334	Thermal Stability, Moisture Uptake Potentials and Mechanical Properties of Modified Plant Based Cellulosic Fiber-Animal Wastes Hybrid Reinforced Epoxy Composites. <i>Journal of Natural Fibers</i> , 2022, 19, 4427-4442.	1.7	8
335	Lead (II) adsorption by modified eggshell waste. , 2015, , 253-258.		2
336	Selective Separation of Precious Metals using Biomass Materials. <i>Kagaku Kogaku Ronbunshu</i> , 2010, 36, 255-258.	0.1	5
337	Use of The Eggshells in Removing Heavy Metals from Waste Water - The Process Kinetics and Efficiency. <i>Ecological Chemistry and Engineering S</i> , 2019, 26, 165-174.	0.3	11
338	Continuous Fixed Bed Column Adsorption of Copper (II) Ions from Aqueous Solution by Calcium Carbonate. <i>International Journal of Engineering Research & Technology</i> , 2015, V4, .	0.2	2
339	Semi-Rigid Composite Foams of Calcium Sodium Aluminosilicate from Eggshells Embedded in Polyurethane. <i>International Polymer Processing</i> , 2018, 33, 2-12.	0.3	2
340	Optimization, isotherm and kinetics studies of azo dye adsorption on eggshell membrane. <i>International Journal of Chemistry and Technology</i> , 2019, 3, 52-60.	0.8	9
341	Influence of Carbon Uniformity on Its Characteristics and Adsorption Capacities of CO ₂ and CH ₄ Gases. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 265.	1.3	2
342	Effect of Dietary Humic Preparations on the Content of Trace Elements in Hens's Eggs. <i>American Journal of Agricultural and Biological Science</i> , 2007, 2, 234-240.	0.9	15
343	Determination the Optimal Conditions of Methylene Blue Adsorption by the Chicken Egg Shell Membrane. <i>International Journal of Poultry Science</i> , 2012, 11, 391-396.	0.6	21
344	Influence of Separation Techniques with Acid Solutions on the Composition of Eggshell Membrane. <i>International Journal of Poultry Science</i> , 2017, 16, 451-456.	0.6	14
345	Adsorption of Amaranth Dye from Aqueous Solution Using Environmental Friendly Biosorbents-eggshell Powder. <i>Pakistan Journal of Biological Sciences</i> , 2018, 21, 414-422.	0.2	5
346	Efficiency of methyl-esterified eggshell membrane biomaterials for intensified microalgae harvesting. <i>Environmental Engineering Research</i> , 2017, 22, 356-362.	1.5	6

#	ARTICLE	IF	CITATIONS
347	Research on the Removal of Methylene Blue from Water by Low-Cost Adsorbents: A Review. <i>Advances in Environmental Protection</i> , 2021, 11, 920-925.	0.0	1
348	Modification of eggshell membrane to impart biospecific properties. <i>Polymer International</i> , 0, , .	1.6	2
349	Removal of Heavy Metals (Copper and Lead) Using Waste Eggshell with Two Different Species and Three Different Forms. <i>Mehmet Akif Ersoy Üniversitesi Fen Bilimleri Enstitüsü Dergisi</i> , 0, , .	0.4	0
350	Guided Tissue Regeneration Membrane. <i>Annals of SBV</i> , 2014, 3, 7-13.	0.0	0
351	ZASTOSOWANIE SKORUP JAJ KURZYCH JAKO NATURALNEGO ADSORBENTA JONÓW METALI Z ROZTWORÓW WODNYCH. <i>Rudy I Metale Niezależne</i> , 2017, 1, 18-23.	0.0	0
352	Investigation of nigrosine, alizarin, indigo and acid fuchsin removal by modification of CaO derived from eggshell with AgI: Adsorption, kinetic and photocatalytic studies. <i>European Journal of Chemistry</i> , 2019, 10, 64-71.	0.3	1
353	A Framework for the Investigation of Biowaste Materials as Potential Adsorbents for Water Treatment. , 0, , .		0
354	In Vitro Evaluation of Hen Eggshells Addition in Rice Husk on Litter Properties. <i>Animal Production</i> , 2019, 20, 119.	0.2	0
355	Adsorption of Biocellulose Nanofiber Tissue Engineering from <i>Acetobacter Xylinum</i> (Acetobacteraceae) Embedded Eggshell Membrane via Fermentation Process. <i>Modern Applied Science</i> , 2019, 13, 11.	0.4	2
356	ARITMA AMURU, LE TAĞI (SEPIYOLIT) VE YUMURTA KABUĞU ATIKLARININ POLİMER KOMPOZİT PLAKA ÜRETİMİNDE DEĞERLENDİRİLMESİ. <i>Kahramanmaraş Sırtaklınsu İmam Üniversitesi Fen Bilimleri Dergisi</i> , 0, 70-77.	0.0	0
357	Valorization of food waste as adsorbents for toxic dye removal from contaminated waters: A review. <i>Journal of Hazardous Materials</i> , 2022, 424, 127432.	6.5	62
358	Alternative of bone china and porcelain as ceramic hand molds for rubber latex glove films formation via dipping process. <i>Reviews on Advanced Materials Science</i> , 2020, 59, 523-537.	1.4	1
359	Effect of Modifier Agents on Particle Size and Surface Functional Groups of Calcined Eggshell: Test in Adsorption of Remazol Yellow. <i>Sakarya University Journal of Science</i> , 0, , 272-280.	0.3	0
360	Embedding Bio-Filler Materials to Enhance Physical-Mechanical-Thermal Properties of Concrete. <i>Materials Science Forum</i> , 0, 1015, 3-8.	0.3	0
361	Bioremediation: Removal of fluoride and methylene blue from water using eco-friendly bio-adsorbents. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	2
362	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
363	Adsorption of Methyl Red Dye from Aqueous Solution Onto Eggshell Waste Material: Kinetics, Isotherms and Thermodynamic Studies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
364	Hydrogen Bonding-Based Layer-by-Layer Assembly of Nature-Derived Eggshell Membrane Hydrolysates and Coffee Melanoidins in Single-Cell Nanoencapsulation. <i>ChemNanoMat</i> , 2022, 8, .	1.5	2

#	ARTICLE	IF	CITATIONS
365	Assessment of physicochemical parameters and trace metal elements from untreated and treated wastewater of an analysis laboratory, Yaoundé-Cameroon. <i>International Journal of Environmental Analytical Chemistry</i> , 2024, 104, 160-177.	1.8	0
366	Thin Film Biocomposite Membrane for Forward Osmosis Supported by Eggshell Membrane. <i>Membranes</i> , 2022, 12, 166.	1.4	5
367	Preparation and Characterization of Antibacterial Films with Eggshell-Membrane Biopolymers Incorporated with Chitosan and Plant Extracts. <i>Polymers</i> , 2022, 14, 383.	2.0	5
368	Potentialities of Agro-Based Wastes to Remove Cd, Hg, Pb, and As from Contaminated Waters. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	9
369	Ag-Ag ₂ O-TiO ₂ @Eggshell membrane polymer nanocomposite: Conductivity and healing the wound infected with <i>S. aureus</i> studies ICSEM-2021. <i>High Performance Polymers</i> , 2022, 34, 630-636.	0.8	6
370	Natural rubber composite film embedded with bio-ionic filler from eggshell as soft compliant electrode. <i>Journal of Rubber Research (Kuala Lumpur, Malaysia)</i> , 0, , 1.	0.4	0
371	Utilization of bio-waste eggshell powder as a potential filler material for cement: Analyses of zeta potential, hydration and sustainability. <i>Construction and Building Materials</i> , 2022, 325, 126220.	3.2	14
372	Catalytic efficiency of raw and hydrolyzed eggshell in the oxidation of crystal violet and dye bathing wastewater by thermally activated peroxide oxidation method. <i>Environmental Research</i> , 2022, 212, 113210.	3.7	24
373	Detection of fabricated eggs using Fourier transform infrared (FT-IR) spectroscopy coupled with multivariate classification techniques. <i>Infrared Physics and Technology</i> , 2022, 123, 104163.	1.3	9
374	Eggshell membrane derived nitrogen rich porous carbon for selective electrosorption of nitrate from water. <i>Water Research</i> , 2022, 216, 118351.	5.3	24
375	Nonlinear Regression Analysis of the Adsorption of Basic Green-5 from Aqueous Solutions onto a Low-Cost Biodegradable Adsorbent Material. <i>European Journal of Science and Technology</i> , 0, , .	0.5	0
376	Characterisation and adsorption properties of calcinated eggshell, salicylic acid-modified eggshell, and 2, 4-dihydroxy benzoic acid-modified eggshell. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 9154-9175.	1.8	1
377	Mechanical Properties of Differently Nanostructured and High-Pressure Compressed Hydroxyapatite-Based Materials for Bone Tissue Regeneration. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1390.	0.8	8
378	Experimental and computational study of thermal behavior of PVC composites based on modified eggshell biofiller for UPVC product. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	9
379	A novel process to separate the eggshell membranes and eggshells via flash evaporation. <i>Food Science and Technology</i> , 0, 42, .	0.8	5
380	Sustainable and greener concrete production by utilizing waste eggshell powder as cementitious material " A review. <i>Construction and Building Materials</i> , 2022, 335, 127482.	3.2	19
381	Effects of urease-producing bacteria and eggshell on physiological characteristics and Cd accumulation of pakchoi (<i>Brassica chinensis</i> L.) plants. <i>Environmental Science and Pollution Research</i> , 2022, 29, 63886-63897.	2.7	6
382	Preparation and application of granular bentonite-eggshell composites for heavy metal removal. <i>Journal of Porous Materials</i> , 2022, 29, 817-826.	1.3	7

#	ARTICLE	IF	CITATIONS
383	Process optimization for extraction of avian eggshell membrane derived collagen for tissue engineering applications. Journal of Polymer Engineering, 2022, 42, 655-662.	0.6	2
384	Assessing the feasibility of a low-throughput gated echelle spectrograph for Laser-induced Breakdown spectroscopy (LIBS)-Raman measurements at standoff distances. Optics and Laser Technology, 2022, 153, 108264.	2.2	4
385	Performance of Citric Acid as a Catalyst and Support Catalyst When Synthesized with NaOH and CaO in Transesterification of Biodiesel from Black Soldier Fly Larvae Fed on Kitchen Waste. Fuels, 2022, 3, 295-315.	1.3	5
386	Heavy Metal Adsorption with Eggshell of Phasianus Colchicus. SDU Journal of Science, 2022, 17, 230-241.	0.1	1
387	Biomass-Derived Anion-Anchoring Nano-CaCO ₃ Coating for Regulating Ion Transport on Li Metal Surface. Nano Letters, 2022, 22, 5473-5480.	4.5	23
388	Catalytical efficiency, mechanism and characterization of hydrolysed waste eggshell in the subcritical water oxidation of pistachio processing wastewater. Journal of Environmental Management, 2022, 317, 115326.	3.8	4
390	Agricultural waste for the development of low cost Ca ₂ SiO ₄ :Pr ³⁺ phosphors. Journal of Luminescence, 2022, 250, 119059.	1.5	4
391	Effect of eggshell powder on structural and durability properties of high strength green concrete for sustainability: A critical review. Materials Today: Proceedings, 2022, , .	0.9	3
392	One-pot preparation of H ₂ -mixed CH ₄ fuel and CaO-based CO ₂ sorbent by the hydrogenation of waste clamshell/eggshell at room temperature. Journal of Environmental Management, 2022, 319, 115617.	3.8	2
393	Effects on Oral Supplementation of Nutraceuticals formulations - Trichovitals [®] in young adults for healthy maintenance of hair growth. Research Journal of Topical and Cosmetic Sciences, 2022, , 1-8.	0.1	0
394	Dielectric properties of eggshell powder at 2.45 and 5.8 GHz relevant to dielectric heating. Journal of Microwave Power and Electromagnetic Energy, 2022, 56, 178-191.	0.4	0
395	Preparation of three-dimensional ordered macroporous Ag/LaFeO ₃ and heterogeneous photo-Fenton degradation of penicillin G potassium. Environmental Technology (United Kingdom), 2024, 45, 454-470.	1.2	1
396	Egg-derived porous plasma modified clay composite for wastewater remediation. Environmental Science and Pollution Research, 2023, 30, 6612-6626.	2.7	1
397	Enhanced removal of phosphate by electrogenerated iron combined with mechanically activated calcite. Chemical Engineering Journal, 2023, 451, 138803.	6.6	5
398	Activation and adsorption mechanisms of methylene blue removal by porous biochar adsorbent derived from eggshell membrane. Chemical Engineering Research and Design, 2022, 188, 330-341.	2.7	25
399	Ø³Ø±Ø«ÙŠØ± Ø-Ø±Ø-Ø© ØÙ...Ù~Ø¶Ø© Ø§Ù,,Ù...Ø§Ø; Ø¹Ù,,Ù% ùfÙØ§Ø;Ø© ù,Ø¹Ø± Ø§Ù,,Ø-ÙŠØ¶ ùÙŠ Ø¶Ø²Ø§Ù,,Ø© Ø±ÙŠØ±		
400	Anti-skin aging activity of eggshell membrane administration and its underlying mechanism. Molecular and Cellular Toxicology, 2023, 19, 165-176.	0.8	3
401	Therapeutic Application of an Ag-Nanoparticle-PNIPAAm-Modified Eggshell Membrane Construct for Dermal Regeneration and Reconstruction. Pharmaceutics, 2022, 14, 2162.	2.0	6

#	ARTICLE	IF	CITATIONS
402	Removal and recovery of uranium (VI) from aqueous solutions by residual sludge and its biochars. <i>Environmental Science and Pollution Research</i> , 2023, 30, 19907-19917.	2.7	6
403	Green synthesis, characterization and sorption efficiency of MnO ₂ nanoparticles and MnO ₂ @waste eggshell nanocomposite. <i>Journal of Taibah University for Science</i> , 2022, 16, 1075-1095.	1.1	4
404	Degradation of an acid dye using calcium oxide extracted from waste egg shells. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
405	Initial Observation on Methyl Orange Decolorization Using CaO/Fe ₂ O ₃ Catalyst. <i>Materials Science Forum</i> , 0, 1076, 205-213.	0.3	0
406	Assessment of Dye-Absorbed Eggshell Membrane Composites as Solid Polymer Electrolyte of Fuel Cells. <i>Membranes</i> , 2023, 13, 115.	1.4	1
407	Physico-Chemical Characterization of Food Wastes for Potential Soil Application. <i>Processes</i> , 2023, 11, 250.	1.3	1
408	Evaluation of TRICHONEMTM as Anti-Dandruff and Hair growth promoter in young adults. <i>Research Journal of Topical and Cosmetic Sciences</i> , 2022, , 76-86.	0.1	0
409	Effect of NaOH concentration as activator on calcined eggshell and its application for yeast microbial fuel cell. <i>Bioresource Technology Reports</i> , 2023, 21, 101347.	1.5	3
410	Accelerating full-thickness skin wound healing using Zinc and Cobalt doped-bioactive glass-coated eggshell membrane. <i>Journal of Drug Delivery Science and Technology</i> , 2023, 81, 104273.	1.4	2
411	Decolorization of Methylene Blue Solution by Employing Magnetized Artocarpus heterophyllus Fruit Peel as a Novel Adsorbent. <i>Arabian Journal for Science and Engineering</i> , 2023, 48, 7647-7659.	1.7	3
412	Cytoprotection of Probiotic Lactobacillus acidophilus with Artificial Nanoshells of Nature-Derived Eggshell Membrane Hydrolysates and Coffee Melanoidins in Single-Cell Nanoencapsulation. <i>Polymers</i> , 2023, 15, 1104.	2.0	5
413	Eggshell Membrane as a Biomaterial for Bone Regeneration. <i>Polymers</i> , 2023, 15, 1342.	2.0	6
415	Structural Characterization of Geopolymers with the Addition of Eggshell Ash. <i>Sustainability</i> , 2023, 15, 5419.	1.6	1
416	A Comparative Study of Treatment Methods of Raw Sugarcane Bagasse for Adsorption of Oil and Diesel. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	1.1	2
418	Avian eggshell membrane as a material for tissue engineering: A review. <i>Journal of Materials Science</i> , 2023, 58, 6865-6886.	1.7	1
419	Eggshell powder as an efficient recyclable catalyst generates H ₂ O ₂ prompted radicals for selective oxidative mineralization of crystal violet dye at room temperature. <i>Materials Chemistry and Physics</i> , 2023, 303, 127785.	2.0	3
420	Hazardous wastes and management strategies of landfill leachates: A comprehensive review. <i>Environmental Technology and Innovation</i> , 2023, 31, 103150.	3.0	15
451	Biomass: State of the Art and New Challenges. , 2023, , 1-22.		0

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