

# Use of chicken feather and eggshell to synthesize a novel sorption of heavy metal ions

Bioresource Technology

297, 122452

DOI: [10.1016/j.biortech.2019.122452](https://doi.org/10.1016/j.biortech.2019.122452)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Magnetic dispersive micro-solid phase extraction merged with micro-sampling flame atomic absorption spectrometry using (Zn-Al LDH)-(PTH/DBSNa)-Fe <sub>3</sub> O <sub>4</sub> nanosorbent for effective trace determination of nickel(II) and cadmium(II) in food samples. <i>Microchemical Journal</i> , 2020, 159, 105450.	2.3	27
2	Pristine detonation nanodiamonds as regenerable adsorbents for metal cations. <i>Diamond and Related Materials</i> , 2020, 110, 108121.	1.8	11
3	Study of Duck Feather Modification using NaOH to Removal Iron in Acid Mine Drainage (AMD). <i>E3S Web of Conferences</i> , 2020, 202, 05002.	0.2	1
4	Facile Fabrication of Flocculent Magnesium Silicate for the Adsorption of Oxytetracycline. <i>ACS Omega</i> , 2020, 5, 19104-19110.	1.6	3
5	Tunable Magnetic Hyperthermia Properties of Pristine and Mildly Reduced Graphene Oxide/Magnetite Nanocomposite Dispersions. <i>Nanomaterials</i> , 2020, 10, 2426.	1.9	7
6	Modification of calcium-rich biochar by loading Si/Mn binary oxide after NaOH activation and its adsorption mechanisms for removal of Cu(II) from aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 124960.	2.3	70
7	Phosphorus-rich biochar produced through bean-worm skin waste pyrolysis enhances the adsorption of aqueous lead. <i>Environmental Pollution</i> , 2020, 266, 115177.	3.7	31
8	Dopamine-modified magnetic graphene oxide as a recoverable sorbent for the preconcentration of metal ions by an effervescence-assisted dispersive micro solid-phase extraction procedure. <i>Analytical Methods</i> , 2020, 12, 2338-2346.	1.3	19
9	Effects of temperature, oxygen and steam on pore structure characteristics of coconut husk activated carbon powders prepared by one-step rapid pyrolysis activation process. <i>Bioresource Technology</i> , 2020, 310, 123413.	4.8	59
10	Recent advances in photocatalytic multivariate metal organic frameworks-based nanostructures toward renewable energy and the removal of environmental pollutants. <i>Materials Today Energy</i> , 2021, 19, 100589.	2.5	75
11	Tailoring cadmium sulfide-based photocatalytic nanomaterials for water decontamination: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 271-306.	8.3	124
12	Modified or Functionalized Natural Bioadsorbents: New Perspectives as Regards the Elimination of Environmental Pollutants. <i>Environmental and Microbial Biotechnology</i> , 2021, , 195-225.	0.4	3
13	The synthesis of a novel titanium oxide aerogel with highly enhanced removal of uranium and evaluation of the adsorption mechanism. <i>Dalton Transactions</i> , 2021, 50, 3616-3628.	1.6	19
14	An overview of converting reductive photocatalyst into all solid-state and direct Z-scheme system for water splitting and CO <sub>2</sub> reduction. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 1-27.	2.9	43
15	Decontamination of heavy metal ions from water by composites prepared from waste. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100088.	2.9	16
16	The adsorption removal of tannic acid by regenerated activated carbon from the spent catalyst of vinyl acetate synthesis. <i>Journal of Materials Research and Technology</i> , 2021, 10, 697-708.	2.6	9
17	Nitrogen-doped hierarchically porous carbon spheres for low concentration CO <sub>2</sub> capture. <i>Journal of Energy Chemistry</i> , 2021, 53, 168-174.	7.1	29
18	Recent advances in silver bromide-based Z-scheme photocatalytic systems for environmental and energy applications: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105157.	3.3	31

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19	Use of chicken feathers as potential adsorbent for the reclamation of industrial lean methyl diethanolamine solutions. <i>Separation Science and Technology</i> , 2022, 57, 372-387.	1.3	3
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21	Magnetic biochars have lower adsorption but higher separation effectiveness for Cd <sup>2+</sup> from aqueous solution compared to nonmagnetic biochars. <i>Environmental Pollution</i> , 2021, 275, 116485.	3.7	28
22	Heavy metal water pollution: A fresh look about hazards, novel and conventional remediation methods. <i>Environmental Technology and Innovation</i> , 2021, 22, 101504.	3.0	431
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24	Adsorption mercury, cobalt, and nickel with a reclaimable and magnetic composite of hydroxyapatite/Fe <sub>3</sub> O <sub>4</sub> /polydopamine. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105709.	3.3	99
25	A user-friendly <i>Ulva lactuca</i> /chitosan composite bead for mercury removal. <i>Inorganic Chemistry Communication</i> , 2021, 130, 108747.	1.8	13
26	Controllable synthesis of coral-like hierarchical porous magnesium hydroxide with various surface area and pore volume for lead and cadmium ion adsorption. <i>Journal of Hazardous Materials</i> , 2021, 416, 125922.	6.5	24
27	Prediction of the sorption efficiency of heavy metal onto biochar using a robust combination of fuzzy C-means clustering and back-propagation neural network. <i>Journal of Environmental Management</i> , 2021, 293, 112808.	3.8	33
28	Preparation of Activated Coke by One-Step Activation Method, Ammonization, and K <sub>2</sub> CO <sub>3</sub> Modification of Coal and Biomass. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2022, 144, .	1.4	3
29	Husbandry waste derived coralline-like composite biomass material for efficient heavy metal ions removal. <i>Bioresource Technology</i> , 2021, 337, 125408.	4.8	15
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32	Efficient recovery of phosphate from aqueous solution using biochar derived from co-pyrolysis of sewage sludge with eggshell. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105354.	3.3	23
33	Multivariate modeling and optimization of Cr(VI) adsorption onto carbonaceous material via response surface models assisted with multiple regression analysis and particle swarm embedded neural network. <i>Environmental Technology and Innovation</i> , 2021, 24, 101952.	3.0	13
34	Efficient reclaiming phosphate from aqueous solution using waste limestone modified sludge biochar: Mechanism and application as soil amendments. <i>Science of the Total Environment</i> , 2021, 799, 149454.	3.9	15
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46	Gel-entrapped biomass of <i>Lactarius salmonicolor</i> for the effective treatment of aquatic Co <sup>2+</sup> and Mn <sup>2+</sup> pollution. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 4257-4271.	2.9	0
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48	Hydrogel materials for sustainable water resources harvesting & treatment: Synthesis, mechanism and applications. <i>Chemical Engineering Journal</i> , 2022, 439, 135756.	6.6	75
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57	Comparison of activated carbon from bitter orange and Amygdalus scoparia Spach and surface modification. Biomass Conversion and Biorefinery, 0, , .	2.9	0
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77	Preparation of cellulose-based porous adsorption materials derived from corn straw for wastewater purification. <i>International Journal of Biological Macromolecules</i> , 2023, 233, 123595.	3.6	10
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