

# Adsorptive removal of heavy metal ions using graphene roles of functional groups and mechanisms

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Graphene oxide for efficient treatment of real contaminated water by mining tailings: Metal adsorption studies to Paraopeba river and risk assessment. <i>Chemical Engineering Journal Advances</i> , 2020, 2, 100017.	2.4	22
2	Research advances in preparation and application of chitosan nanofluorescent probes. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1884-1896.	3.6	8
3	Luminescent metal organic framework for selective detection of mercury in aqueous media: Microwave-based synthesis and evaluation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125477.	2.3	22
4	Ozone and Ammonium Hydroxide Modification of Biochar Prepared from <i>Pisum sativum</i> Peels Improves the Adsorption of Copper (II) from an Aqueous Medium. <i>Environmental Processes</i> , 2020, 7, 973-1007.	1.7	29
5	Graphene oxide quantum dots immobilized on mesoporous silica: preparation, characterization and electroanalytical application. <i>RSC Advances</i> , 2020, 10, 31305-31315.	1.7	11
6	Aminophosphonic Acid Functionalized Cellulose Nanofibers for Efficient Extraction of Trace Metal Ions. <i>Polymers</i> , 2020, 12, 2370.	2.0	10
7	Effects of electromagnetic induction on migration and speciation of heavy metals in drying sewage sludge: Mechanistic insights. <i>Waste Management</i> , 2020, 109, 192-201.	3.7	16
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9	Removal of heavy metals from aqueous solution using carbon-based adsorbents: A review. <i>Journal of Water Process Engineering</i> , 2020, 37, 101339.	2.6	258
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12	Recent advances in heavy metal removal by chitosan based adsorbents. <i>Carbohydrate Polymers</i> , 2021, 251, 117000.	5.1	266
13	Adsorptive separation of toxic metals from aquatic environment using agro waste biochar: Application in electroplating industrial wastewater. <i>Chemosphere</i> , 2021, 262, 128031.	4.2	77
14	Enhanced removal of zinc and cadmium from water using carboxymethyl cellulose-bridged chlorapatite nanoparticles. <i>Chemosphere</i> , 2021, 263, 128038.	4.2	14
15	Morphological behaviors of brushite/vivianite nanocomposites and their potency for Se(IV) and Cd(II) removal from aqueous solutions. <i>Materials Chemistry and Physics</i> , 2021, 259, 124057.	2.0	11
16	Review MXenes as a new type of nanomaterial for environmental applications in the photocatalytic degradation of water pollutants. <i>Ceramics International</i> , 2021, 47, 7321-7343.	2.3	88
17	Facile modification of graphene oxide by humic acid for enhancing hexavalent chromium photoreduction. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104759.	3.3	4
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20	Zeolitic imidazolate framework-L incorporated graphene oxide hybrid for cadmium removal. <i>Materials Today: Proceedings</i> , 2021, 42, 8-14.	0.9	7
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