

# Adsorption of $\text{Cu}^{2+}$ , $\text{Cd}^{2+}$ and $\text{Ni}^{2+}$ from aqueous single oxide membranes

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Removal of uranium(VI) from aqueous solution using graphene oxide and its amine-functionalized composite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 309, 607.	0.7	17
4	Towards a better understanding of the geometrical and orientational aspects of the electronic structure of halogens (F, Cl) adsorption on graphene. <i>Applied Surface Science</i> , 2015, 356, 370-377.	3.1	9
5	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
6	Windmill Palm Fiber/Polyvinyl Alcohol Coated Nonwoven Mats with Sound Absorption Characteristics. <i>BioResources</i> , 2016, 11, .	0.5	13
7	Graphene Materials to Remove Organic Pollutants and Heavy Metals from Water: Photocatalysis and Adsorption. , 0, , .		10
8	Synthesis of a thiocalix[4]arene tetrasulfonate-functionalized reduced graphene oxide adsorbent for the removal of lead(II) and cadmium(II) from aqueous solutions. <i>RSC Advances</i> , 2016, 6, 113352-113365.	1.7	18
9	Adsorption of cadmium by biochar produced from pyrolysis of corn stalk in aqueous solution. <i>Water Science and Technology</i> , 2016, 74, 1335-1345.	1.2	32
10	A novel magnetic calcium silicate/graphene oxide composite material for selective adsorption of acridine orange from aqueous solutions. <i>RSC Advances</i> , 2016, 6, 34770-34781.	1.7	20
11	Nanocellulose based functional membranes for water cleaning: Tailoring of mechanical properties, porosity and metal ion capture. <i>Journal of Membrane Science</i> , 2016, 514, 418-428.	4.1	172
12	Removal of anionic azo dye from water with activated graphene oxide: kinetic, equilibrium and thermodynamic modeling. <i>RSC Advances</i> , 2016, 6, 39762-39773.	1.7	23
13	Synthesis and characterization of PAMAM/CNT nanocomposite as a super-capacity adsorbent for heavy metal (Ni <sup>2+</sup> , Zn <sup>2+</sup> , As <sup>3+</sup> , Co <sup>2+</sup> ) removal from wastewater. <i>Journal of Molecular Liquids</i> , 2016, 224, 1032-1040.	2.3	103
14	Graphene oxide/cellulose membranes in adsorption of divalent metal ions. <i>RSC Advances</i> , 2016, 6, 96595-96605.	1.7	95
16	Removal of mercury(II) and methylene blue from a wastewater environment with magnetic graphene oxide: adsorption kinetics, isotherms and mechanism. <i>RSC Advances</i> , 2016, 6, 82523-82536.	1.7	85
17	Cation-dependent structural instability of graphene oxide membranes and its effect on membrane separation performance. <i>Desalination</i> , 2016, 399, 40-46.	4.0	60
18	Adsorption of Cu <sup>2+</sup> and Cd <sup>2+</sup> from aqueous solution by novel electrospun poly(vinyl alcohol)/graphene oxide nanofibers. <i>RSC Advances</i> , 2016, 6, 79641-79650.	1.7	45
19	Synthesis of Sodium Acrylate and Acrylamide Copolymer/GO Hydrogels and Their Effective Adsorption for Pb <sup>2+</sup> and Cd <sup>2+</sup> . <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3948-3959.	3.2	131
20	Biryanite/Graphene Oxide Coordination Composites for High-Performance Cu <sup>2+</sup> Adsorption and Tunable Deep-Red Photoluminescence. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15848-15854.	4.0	19
21	Understanding the adsorption mechanism of Ni(II) on graphene oxides by batch experiments and density functional theory studies. <i>Science China Chemistry</i> , 2016, 59, 412-419.	4.2	61

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23	A new approach to copper ion removal from water by polymeric nanocomposite membrane embedded with $\Gamma^3$ -alumina nanoparticles. Applied Surface Science, 2016, 364, 221-228.	3.1	94
24	Preparation of graphene oxide-manganese dioxide for highly efficient adsorption and separation of Th(IV)/U(VI). Journal of Hazardous Materials, 2016, 309, 107-115.	6.5	170
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32	Soy protein-based polyethylenimine hydrogel and its high selectivity for copper ion removal in wastewater treatment. Journal of Materials Chemistry A, 2017, 5, 4163-4171.	5.2	162
33	Preparation of dithiocarbamate polymer brush grafted nanocomposites for rapid and enhanced capture of heavy metal ions. RSC Advances, 2017, 7, 13112-13122.	1.7	27
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35	Comparison of the adsorption of cationic blue onto graphene oxides prepared from natural graphites with different graphitization degrees. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 292-301.	2.3	22
36	Adsorption of mercury (Hg <sup>2+</sup> ) with an Fe <sub>3</sub> O <sub>4</sub> magnetic polypyrrole-graphene oxide nanocomposite. RSC Advances, 2017, 7, 18466-18479.	1.7	136
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38	Processable graphene oxide-embedded titanate nanofiber membranes with improved filtration performance. Journal of Hazardous Materials, 2017, 325, 214-222.	6.5	24
39	Fabrication of Tannin-Based Dithiocarbamate Biosorbent and Its Application for Ni(II) Ion Removal. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	15

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41	Sorption Behavior of Bisphenol A and Triclosan by Graphene: Comparison with Activated Carbon. <i>ACS Omega</i> , 2017, 2, 5378-5384.	1.6	53
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58	Ultrathin reduced graphene oxide/MOF nanofiltration membrane with improved purification performance at low pressure. <i>Chemosphere</i> , 2018, 204, 378-389.	4.2	94

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59	Review on synthesis of 3D graphene-based configurations and their adsorption performance for hazardous water pollutants. <i>Chemical Engineering Research and Design</i> , 2018, 116, 262-286.	2.7	124
60	Synthesis of KMnO <sub>4</sub> -treated magnetic graphene oxide nanocomposite (Fe <sub>3</sub> O <sub>4</sub> @GO/MnO <sub>x</sub> ) and its application for removing of Cu <sup>2+</sup> ions from aqueous solution. <i>Nanotechnology</i> , 2018, 29, 135706.	1.3	27
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67	A novel magnesium ascorbyl phosphate graphene-based monolith and its superior adsorption capability for bisphenol A. <i>Chemical Engineering Journal</i> , 2018, 334, 948-956.	6.6	65
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76	Facile preparation of nitrogen and sulfur co-doped graphene-based aerogel for simultaneous removal of Cd <sup>2+</sup> and organic dyes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 21164-21175.	2.7	34

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78	Facile low-temperature one-step synthesis of pomelo peel biochar under air atmosphere and its adsorption behaviors for Ag(I) and Pb(II). <i>Science of the Total Environment</i> , 2018, 640-641, 73-79.	3.9	86
79	Removal of cadmium and copper from water by a magnetic adsorbent of PFM: Adsorption performance and micro-structural morphology. <i>Separation and Purification Technology</i> , 2018, 206, 199-207.	3.9	29
80	Magnetic thiolated/quaternized-chitosan composites design and application for various heavy metal ions removal, including cation and anion. <i>Chemical Engineering Research and Design</i> , 2018, 136, 581-592.	2.7	44
81	Crumpled graphene balls as rapid and efficient adsorbents for removal of copper ions. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 46-51.	5.0	26
82	Removal of V (V) and Pb (II) by nanosized TiO <sub>2</sub> and ZnO from aqueous solution. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 510-519.	2.9	46
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89	Adsorptive removal of strontium ions from aqueous solution by graphene oxide. <i>Environmental Science and Pollution Research</i> , 2019, 26, 29669-29678.	2.7	36
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100	Trajectory Privacy Protection Method Based on Location Service in Fog Computing. <i>Procedia Computer Science</i> , 2019, 147, 463-467.	1.2	5
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107	Optimization and Adsorption-Based Recovery of Cobalt Using Activated Disordered Mesoporous Carbons. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-10.	1.0	11
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109	Adsorptive nanocomposite membranes for heavy metal remediation: Recent progresses and challenges. <i>Chemosphere</i> , 2019, 232, 96-112.	4.2	130
110	Graphene oxide-based materials for efficient removal of heavy metal ions from aqueous solution: A review. <i>Environmental Pollution</i> , 2019, 252, 62-73.	3.7	348
111	Insight into the ultrasonication of graphene oxide with strong changes in its properties and performance for adsorption applications. <i>Chemical Engineering Journal</i> , 2019, 373, 1212-1222.	6.6	48
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115	Graphene based adsorbents for remediation of noxious pollutants from wastewater. <i>Environment International</i> , 2019, 127, 160-180.	4.8	367
116	Advances in the applications of graphene adsorbents: from water treatment to soil remediation. <i>Reviews in Inorganic Chemistry</i> , 2019, 39, 47-76.	1.8	20
117	Functionalized graphene nanosheets as adsorbent for copper (II) removal from water. <i>Ecotoxicology and Environmental Safety</i> , 2019, 173, 28-36.	2.9	29
118	Distinguishing characteristics and usability of graphene oxide based on different sources of graphite feedstock. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 429-440.	5.0	33
119	Removal of Metal Ions Using Graphene Based Adsorbents. <i>Engineering Materials</i> , 2019, , 1-33.	0.3	2
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122	A facile fabrication of sepiolite mineral nanofibers with excellent adsorption performance for Cd <sup>2+</sup> ions. <i>RSC Advances</i> , 2019, 9, 40184-40189.	1.7	9
123	Combination of graphene oxide with flax-derived cellulose dissolved in NaOH/urea medium to generate hierarchically structured composite carbon aerogels. <i>Industrial Crops and Products</i> , 2019, 130, 179-183.	2.5	13
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125	Non-competitive and competitive adsorption of Cd <sup>2+</sup> , Ni <sup>2+</sup> , and Cu <sup>2+</sup> by biogenic vaterite. <i>Science of the Total Environment</i> , 2019, 659, 122-130.	3.9	48
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128	Tree-like cellulose nanofiber membranes modified by citric acid for heavy metal ion (Cu <sup>2+</sup> ) removal. <i>Cellulose</i> , 2019, 26, 945-958.	2.4	49
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133	Recent advances in adsorptive membranes for removal of harmful cations. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48579.	1.3	45
134	Synthesis and characterization of reduced graphene oxide-Fe <sub>3</sub> O <sub>4</sub> @polydopamine and application for adsorption of lead ions: Isotherm and kinetic studies. <i>Materials Chemistry and Physics</i> , 2020, 239, 121964.	2.0	64
135	A fractional diffusion equation with sink term. <i>Indian Journal of Physics</i> , 2020, 94, 1123-1133.	0.9	7
136	New effective 3-aminopropyltrimethoxysilane functionalized magnetic sporopollenin-based silica coated graphene oxide adsorbent for removal of Pb(II) from aqueous environment. <i>Journal of Environmental Management</i> , 2020, 253, 109658.	3.8	43
137	The inappropriate application of the regression Langmuir Q <sub>m</sub> for adsorption capacity comparison. <i>Science of the Total Environment</i> , 2020, 699, 134222.	3.9	21
138	Carbon quantum dots activated metal organic frameworks for selective detection of Cu(II) and Fe(III). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 588, 124378.	2.3	35
139	Application of Magnetic Graphene Oxide for Water Purification: Heavy Metals Removal and Disinfection. <i>Journal of Water Process Engineering</i> , 2020, 33, 101044.	2.6	91
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141	Amine functionalized sodium alginate hydrogel for efficient and rapid removal of methyl blue in water. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 671-681.	3.6	104
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