

# Mohamed E Mahmoud

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

195  
papers

4,613  
citations

36  
h-index

55  
g-index

202  
ext. papers

5,597  
ext. citations

5.9  
avg, IF

6.59  
L-index

#	Paper	IF	Citations
195	Effective removal of Pb(II)/4-nitroaniline/E. faecalis and E. coli pollutants from water by a novel unique graphene quantum dots@gemifloxacin@ double-layered Fe/Al nanocomposite. <i>Journal of Water Process Engineering</i> , <b>2022</b> , 46, 102562	6.7	1
194	Recent advances in adsorptive removal and catalytic reduction of hexavalent chromium by metal@organic frameworks composites. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 347, 118274	6	2
193	Adsorption behavior of silver quantum dots by a novel super magnetic CoFeO-biochar-polymeric nanocomposite. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 606, 1597-1608	9.3	1
192	The impact of virtual reality on pain management during normal labor: A systematic review and meta-analysis of randomized controlled trials.. <i>Sexual and Reproductive Healthcare</i> , <b>2022</b> , 32, 100720	2.4	0
191	The design of SnO <sub>2</sub> -crosslinked-chitosan nanocomposite for microwave-assisted adsorption of aqueous cadmium and mercury ions. <i>Sustainable Chemistry and Pharmacy</i> , <b>2022</b> , 28, 100731	3.9	0
190	Synergistic effects on gamma-ray shielding by novel light-weight nanocomposite materials of bentonite containing nano Bi <sub>2</sub> O <sub>3</sub> additive. <i>Ceramics International</i> , <b>2021</b> , 48, 7291-7291	5.1	2
189	An innovative amino-magnetite@graphene oxide@amino-manganese dioxide as a nitrogen-rich nanocomposite for removal of Congo red dye. <i>Diamond and Related Materials</i> , <b>2021</b> , 108744	3.5	1
188	Novel immobilized fibrous natural cotton on Corchorus olitorius stalks biochar@diethylenetriamine@feroxyhyte@diethylenetriamine composite for coagulative removal of silver quantum dots (Ag-QDs) from water. <i>Cellulose</i> , <b>2021</b> , 28, 11397	5.5	0
187	Doping starch-gelatin mixed hydrogels with magnetic spinel ferrite@biochar@molybdenum oxide as a highly efficient nanocomposite for removal of lead (II) ions. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 106682	6.8	3
186	Effects of Al <sub>2</sub> O <sub>3</sub> and BaO nano-additives on mechanical characteristics of high-density polyethylene. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 262, 124251	4.4	3
185	A comparative Study Between Fluka and Microshield Modeling Calculations to study the Radiation-Shielding of Nanoparticles and Plastic Waste composites. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2021</b> , 647, 1083-1090	1.3	9
184	Assembly of CeO <sub>2</sub> @MoO <sub>3</sub> @BiO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> -(Alginate) <sub>2</sub> As A novel nanocomposite for removal of MnII/CrVI and <sup>56</sup> Mn/ <sup>51</sup> Cr radionuclides from water. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 262, 124278	4.4	7
183	Self-decoration of N-doped graphene oxide 3-D hydrogel onto magnetic shrimp shell biochar for enhanced removal of hexavalent chromium. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 408, 124951	12.8	26
182	Manganese dioxide nanoparticles decorated with chitosan for effective removal of lead and lanthanum ions from water by microwave sorption technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2021</b> , 267, 115091	3.1	9
181	Peripheral perfusion index as a predictor of failed weaning from mechanical ventilation. <i>Journal of Clinical Monitoring and Computing</i> , <b>2021</b> , 35, 405-412	2	4
180	Green synthesis and surface decoration of silver nanoparticles onto @FeOOH-Polymeric nanocomposite as efficient nanocatalyst for dyes degradation. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104697	6.8	11
179	Developed magnetic Fe <sub>3</sub> O <sub>4</sub> @MoO <sub>3</sub> -AC nanocomposite for effective removal of ciprofloxacin from water. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 257, 123454	4.4	17

178	One-step synthesis of zero-valent Sn nanoparticles and potential microwave remediation of lead from water. <i>Materials Research Bulletin</i> , <b>2021</b> , 134, 111090	5.1	7
177	Novel NTiO <sub>2</sub> -chitosan@NZrO <sub>2</sub> -chitosan nanocomposite for effective adsorptive uptake of trivalent gadolinium and samarium ions from water. <i>Powder Technology</i> , <b>2021</b> , 378, 246-254	5.2	8
176	Behavior of surface coated zirconium silicate-nanopolyaniline with nano zerovalent copper (ZrSiO <sub>4</sub> @NPANI@nZVCu) toward catalytic reduction of nitroanilines. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 258, 123890	4.4	6
175	Promoted adsorptive removal of chromium(vi) ions from water by a green-synthesized hybrid magnetic nanocomposite (NFeOStarch-Glu-NFeOED).. <i>RSC Advances</i> , <b>2021</b> , 11, 14829-14843	3.7	4
174	New magnetic cellulose nanobiocomposites for Cu(II), Cd(II) and Pb(II) ions removal: kinetics, thermodynamics and analytical evaluation. <i>Nanotechnology for Environmental Engineering</i> , <b>2021</b> , 6, 1	5.1	5
173	High performance of carbon quantum dots-decorated-polymeric nanocomposite for enhanced microwave adsorption of vanadium (V) from water. <i>Groundwater for Sustainable Development</i> , <b>2021</b> , 14, 100582	6	2
172	Efficient and ultrafast removal of Cd(II) and Sm(III) from water by leaves of <i>Cynara scolymus</i> derived biochar. <i>Materials Research Bulletin</i> , <b>2021</b> , 141, 111334	5.1	6
171	Decorated Mn-ferrite nanoparticle@Zn-Al layered double hydroxide@Cellulose@ activated biochar nanocomposite for efficient remediation of methylene blue and mercury (II). <i>Bioresource Technology</i> , <b>2021</b> , 342, 126029	11	2
170	Effective removal of levofloxacin drug and Cr(VI) from water by a composed nanobiosorbent of vanadium pentoxide@chitosan@MOFs. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 188, 879-891	7.9	6
169	Role of novel ternary nanocomposites polypropylene in nuclear radiation attenuation properties: In-depth simulation study. <i>Radiation Physics and Chemistry</i> , <b>2021</b> , 188, 109667	2.5	17
168	Ceramic tiles doped with lead oxide nanoparticles: Their fabrication, physical, mechanical characteristics and γ-ray shielding performance. <i>Radiation Physics and Chemistry</i> , <b>2021</b> , 189, 109780	2.5	3
167	Synergistic effect of nano-bentonite and nanocadmium oxide doping concentrations on assembly, characterization, and enhanced gamma-rays shielding properties of polypropylene ternary nanocomposites. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 8942-8959	4.5	7
166	Synthesis, characterization and optical properties of nanosized lanthanum (III) complexes thin film with aryl-azo-pyrogallol derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 238, 118448	4.4	1
165	A sustainable nanocomposite for removal of heavy metals from water based on crosslinked sodium alginate with iron oxide waste material from steel industry. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104015	6.8	17
164	Encapsulation of starch hydrogel and doping nanomagnetite onto metal-organic frameworks for efficient removal of fluvastatin antibiotic from water. <i>Carbohydrate Polymers</i> , <b>2020</b> , 245, 116438	10.3	16
163	Investigation of physical, mechanical and gamma-ray shielding properties using ceramic tiles incorporated with powdered lead oxide. <i>Ceramics International</i> , <b>2020</b> , 46, 15686-15694	5.1	20
162	Metal-Organic Framework-Functionalized Copper Amine Complex: A Robust Nanocomposite for Doxycycline Antibiotic Removal. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 3546-3559	2.8	6
161	Sustained-release Griffithsin nanoparticle-fiber composites against HIV-1 and HSV-2 infections. <i>Journal of Controlled Release</i> , <b>2020</b> , 321, 84-99	11.7	18

160	Nano-manganese oxide-functionalized-oleyl amine as a simple and low cost nanosorbent for remediation of Zn/Co and their radioactive nuclides Zn and Co from water. <i>Applied Radiation and Isotopes</i> , <b>2020</b> , 159, 108989	1.7	4
159	Accuracy and trending of non-invasive oscillometric blood pressure monitoring at the wrist in obese patients. <i>Anaesthesia, Critical Care &amp; Pain Medicine</i> , <b>2020</b> , 39, 221-227	3	9
158	Microwave-assisted adsorption of Cr(VI), Cd(II) and Pb(II) in presence of magnetic graphene oxide-covalently functionalized-tryptophan nanocomposite. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 823, 153855	5.7	27
157	Nanoscale Pisum sativum pods biochar encapsulated starch hydrogel: A novel nanosorbent for efficient chromium (VI) ions and naproxen drug removal. <i>Bioresource Technology</i> , <b>2020</b> , 308, 123263	11	42
156	Metoprolol beta-blocker decontamination from water by the adsorptive action of metal-organic frameworks-nano titanium oxide coated tin dioxide nanoparticles. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 309, 113096	6	6
155	Development of titanium oxide-bound- $\beta$ -aminophosphonate nanocomposite for adsorptive removal of lead and copper from aqueous solution. <i>Water Resources and Industry</i> , <b>2020</b> , 23, 100126	4.5	6
154	Removal of uranium (VI) from water by the action of microwave-rapid green synthesized carbon quantum dots from starch-water system and supported onto polymeric matrix. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 397, 122770	12.8	32
153	Water-stable metal-organic framework/amine-modified silica/poly(piperazine-cresol) hybrids for efficient uptake of La(III) ions. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 251, 123107	4.4	8
152	Investigation of mechanical and radiation shielding characteristics of novel glass systems with the composition $x\text{NiO}-20\text{ZnO}-60\text{B}_2\text{O}_3-(20-x)\text{CdO}$ based on nanometal oxides. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 528, 119754	3.9	48
151	Enhanced adsorption of Levofloxacin and Ceftriaxone antibiotics from water by assembled composite of nanotitanium oxide/chitosan/nano-bentonite. <i>Materials Science and Engineering C</i> , <b>2020</b> , 108, 110199	8.3	42
150	A novel nanobiosorbent of functionalized graphene quantum dots from rice husk with barium hydroxide for microwave enhanced removal of lead (II) and lanthanum (III). <i>Bioresource Technology</i> , <b>2020</b> , 298, 122514	11	34
149	Catalytic reduction of nitrophenols by a novel assembled nanocatalyst based on zerovalent copper-nanopolyaniline-nanozirconium silicate. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 299, 112192	6	14
148	Rapid and efficient removal of lead from water by $\text{FeOOH}/\text{Cellulose}/\text{TiO}_2$ nanocomposite. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2020</b> , 262, 114689	3.1	9
147	Adsorption of negatively charged food tartrazine and sunset yellow dyes onto positively charged triethylenetetramine biochar: Optimization, kinetics and thermodynamic study. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 318, 114297	6	26
146	Novel derived pectin hydrogel from mandarin peel based metal-organic frameworks composite for enhanced Cr(VI) and Pb(II) ions removal. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 920-931	7.9	26
145	Surface modifications of nanochitosan coated magnetic nanoparticles and their applications in Pb(II), Cu(II) and Cd(II) removal. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104316	6.8	27
144	Promoted removal of metformin hydrochloride anti-diabetic drug from water by fabricated and modified nanobiochar from artichoke leaves. <i>Sustainable Chemistry and Pharmacy</i> , <b>2020</b> , 18, 100336	3.9	7
143	Functionalization of $\text{CeO}_2\text{-SiO}_2\text{-(CH}_2\text{)}_3\text{-Cl}$ nanoparticles with sodium alginate for enhanced and effective Cd(II), Pb(II), and Zn(II) ions removal by microwave irradiation and adsorption technique. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2020</b> , 14, 100367	3.3	4

142	Assembly and implementation of an eco-friendly marine nanosediment for adsorptive removal of heptavalent manganese: Adsorption isotherm, thermodynamic and kinetics studies. <i>Powder Technology</i> , <b>2020</b> , 359, 247-260	5.2	24
141	Amino-decorated magnetic metal-organic framework as a potential novel platform for selective removal of chromium (VI), cadmium (II) and lead (II). <i>Journal of Hazardous Materials</i> , <b>2020</b> , 381, 120979	12.8	78
140	Fabricated and functionalized magnetite/phenylenediamine/cellulose acetate nanocomposite for adsorptive removal of methylene blue. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 128, 196-203	7.9	30
139	Microwave-Assisted Modification of Nanoalumina with Vitamin B3 as an Eco-Friendly Nanosorbent for Trace Metals. <i>Clean - Soil, Air, Water</i> , <b>2019</b> , 47, 1900022	1.6	
138	Solvent free microwave synthesis of nano polyaniline-zirconium silicate nanocomposite for removal of nitro derivatives. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 77, 371-384	6.3	16
137	In situ microwave-assisted oxidation of graphite into partially oxidized graphite nanoparticles for microwave-sorptive removal of anionic and cationic dyes. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 288, 110979 <sup>6</sup>		12
136	Effective removal of crystal violet and methylene blue dyes from water by surface functionalized zirconium silicate nanocomposite. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103009	6.8	22
135	A novel multifunctional sandwiched activated carbon between manganese and tin oxides nanoparticles for removal of divalent metal ions. <i>Powder Technology</i> , <b>2019</b> , 351, 169-177	5.2	14
134	Design and testing of high-density polyethylene nanocomposites filled with lead oxide micro- and nano-particles: Mechanical, thermal, and morphological properties. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47812	2.9	19
133	Starch functionalization of iron oxide by-product from steel industry as a sustainable low cost nanocomposite for removal of divalent toxic metal ions from water. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 137, 455-468	7.9	32
132	Fabrication and characterization of phosphotungstic acid - Copper oxide nanoparticles - Plastic waste nanocomposites for enhanced radiation-shielding. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 803, 768-777	5.7	22
131	Design, characterization and optical properties of assembled nanoscale thin films of copper (II) complex with 5-azo-Phenol-8-Hydroxyquinoline. <i>Optical Materials</i> , <b>2019</b> , 95, 109215	3.3	13
130	Removal of Some Toxic Ions from Seawater and Wastewater by Sorption onto Natural, Synthetic Hydroxyapatite and Alginate-Hydroxyapatite Composite Nanoparticles: A Comparative Study. <i>Journal of Environmental Protection</i> , <b>2019</b> , 10, 1155-1173	0.6	7
129	Remediation of Co/Zn ions and their <sup>60</sup> Co/ <sup>65</sup> Zn radioactive nuclides from aqueous solutions by acid activated nanobentonite. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2019</b> , 12, 100277	3.3	2
128	Novel Nanostructured Metal-Organic Framework-Bonded Silica Amine and Polymer: Facile Synthesis, Kinetics, Isotherms, and Thermodynamics Evaluation for Adsorption of Yttrium(III) Ions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 6060-6070	2.8	12
127	Efficient and fast microwave sorption of heavy metals on nanosilica sorbents-microwave immobilized-vitamin C and vitamin L1. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 102850	6.8	10
126	Removal of radioactive cobalt/zinc and some heavy metals from water using diethylenetriamine/2-pyridinecarboxaldehyde supported on NZVI. <i>Microchemical Journal</i> , <b>2019</b> , 145, 1102-1111	4.8	20
125	Green nanosilica@folic Acid (VB9) nanocomposite for engineered adsorptive water remediation of bivalent lead, cadmium and copper. <i>Powder Technology</i> , <b>2019</b> , 344, 719-729	5.2	14

124	Intercalation of Nanopolyaniline with Nanobentonite and Manganese Oxide Nanoparticles as a Novel Nanocomposite to Remediate Cobalt/Zinc and Their Radioactive Nuclides $^{60}\text{Co}/^{65}\text{Zn}$ . <i>Journal of Polymers and the Environment</i> , <b>2019</b> , 27, 421-433	4.5	5
123	A novel nanocomposite of Liquidambar styraciflua fruit biochar-crosslinked-nanosilica for uranyl removal from water. <i>Bioresource Technology</i> , <b>2019</b> , 278, 124-129	11	15
122	Removal of yttrium (III) from aqueous solution using surface metal sequestration methodology by 3-azo-phenolate salicylic acid. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 274, 25-32	6	13
121	Environmental water remediation using covalently functionalized zerovalent iron nanocomposites with 2-pyridinecarboxaldehyde via 3-aminopropyltrimethoxysilane and ethylenediamine. <i>Separation Science and Technology</i> , <b>2019</b> , 54, 1125-1140	2.5	6
120	Efficient removal of La(III) from water by surface metal sequestration methodology using 5-azo-phenolate-8-hydroxyquinoline as a task designed sequestering material. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 63, 220-229	6.3	15
119	Imprinting Nano-SiO <sub>2</sub> -Crosslinked Chitosan-Nano-TiO <sub>2</sub> Polymeric Nanocomposite for Selective and Instantaneous Microwave-Assisted Sorption of Hg(II) and Cu(II). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 4564-4573	8.3	39
118	Recycled high-density polyethylene plastics added with lead oxide nanoparticles as sustainable radiation shielding materials. <i>Journal of Cleaner Production</i> , <b>2018</b> , 176, 276-287	10.3	53
117	Microwave functionalization of titanium oxide nanoparticles with chitosan nanolayer for instantaneous microwave sorption of Cu(II) and Cd(II) from water. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 393-399	7.9	27
116	Adsorptive removal of radioactive isotopes of cobalt and zinc from water and radioactive wastewater using TiO <sub>2</sub> /Ag <sub>2</sub> O nanoadsorbents. <i>Progress in Nuclear Energy</i> , <b>2018</b> , 106, 51-63	2.3	22
115	Fabrication, characterization and gamma rays shielding properties of nano and micro lead oxide-dispersed-high density polyethylene composites. <i>Radiation Physics and Chemistry</i> , <b>2018</b> , 145, 160-173	2.5	82
114	Fabrication of Engineered Silica-Functionalized-Polyanilines Nanocomposites for Water Decontamination of Cadmium and Lead. <i>Journal of Polymers and the Environment</i> , <b>2018</b> , 26, 3858-3876	4.5	11
113	Water and soil decontamination of toxic heavy metals using aminosilica-functionalized-ionic liquid nanocomposite. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 266, 834-845	6	20
112	Development of microwave-assisted functionalized nanosilicas for instantaneous removal of heavy metals. <i>Powder Technology</i> , <b>2018</b> , 326, 454-466	5.2	23
111	Sustainable super fast adsorptive removal of Congo red dye from water by a novel technique based on microwave-enforced sorption process. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 57, 28-36	6.3	23
110	Fast microwave-assisted sorption of heavy metals on the surface of nanosilica-functionalized-glycine and reduced glutathione. <i>Bioresource Technology</i> , <b>2018</b> , 264, 228-237	11	16
109	Green solid synthesis of polyaniline-silver oxide nanocomposite for the adsorptive removal of ionic divalent species of Zn/Co and their radioactive isotopes Zn/Co. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 22120-22135	5.1	12
108	Fabrication of magnetite-functionalized-graphene oxide and hexadecyltrimethyl ammonium bromide nanocomposite for efficient nanosorption of sunset yellow. <i>Materials Science and Engineering C</i> , <b>2018</b> , 92, 287-296	8.3	9
107	New biosorbent in removing some metals from industrial wastewater in El Mex Bay, Egypt. <i>Applied Water Science</i> , <b>2017</b> , 7, 1931-1942	5	5

106	Engineered nano-magnetic iron oxide-urea-activated carbon nanolayer sorbent for potential removal of uranium (VI) from aqueous solution. <i>Journal of Nuclear Materials</i> , <b>2017</b> , 487, 13-22	3.3	31
105	Adsorption Isotherm Models, Kinetics Study, and Thermodynamic Parameters of Ni(II) and Zn(II) Removal from Water Using the LbL Technique. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 839-850	2.8	35
104	Comparative assessment of magnesium-enhanced-extraction by various sequestering derivatives of 8-hydroxyquinoline via layer-by-layer chemical deposition technique. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 237, 455-465	6	9
103	Thin film assembly of nanosized cobalt(II) bis(5-phenyl-azo-8-hydroxyquinolate) using static step-by-step soft surface reaction technique: Structural characterization and optical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 184, 134-140	4.4	11
102	Nano zirconium silicate coated manganese dioxide nanoparticles: Microwave-assisted synthesis, process optimization, adsorption isotherm, kinetic study and thermodynamic parameters for removal of 4-nitrophenol. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 240, 280-290	6	26
101	Immobilization of chitosan nanolayers on the surface of nano-titanium oxide as a novel nanocomposite for efficient removal of La(III) from water. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 101, 230-240	7.9	11
100	Encapsulation of nano zerovalent iron with ethylenediamine and diethylenetriamine for removing cobalt and zinc and their radionuclides from water. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 5157-5168	6.8	10
99	Layer-by-layer assembly and functionalization of nanobentonite with nanopolyaniline and oleic acid to remove divalent Zn, Co,Zn, and Co from water and radioactive wastewater. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 145, 665-673	7	7
98	Solid-solid crosslinking of carboxymethyl cellulose nanolayer on titanium oxide nanoparticles as a novel biocomposite for efficient removal of toxic heavy metals from water. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 1269-1278	7.9	28
97	Surface functionalized Alumina nanoparticles with N-cetyl-N,N,N-trimethyl ammonium bromide for adsorptive interaction with 2-nitrobenzoic and 4-nitrobenzoic acids. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 242, 1248-1262	6	8
96	Engineered nano-zirconium oxide-crosslinked-nanolayer of carboxymethyl cellulose for speciation and adsorptive removal of Cr(III) and Cr(VI). <i>Powder Technology</i> , <b>2017</b> , 321, 444-453	5.2	32
95	Assessment of heat-inactivated marine <i>Aspergillus flavus</i> as a novel biosorbent for removal of Cd(II), Hg(II), and Pb(II) from water. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 18218-18228 <sup>5.1</sup>	5.1	20
94	Factors optimization of super fast removal of heavy metals from aqueous solution using microwave-enforced sorption on the surface of a novel nano-composite. <i>Separation and Purification Technology</i> , <b>2017</b> , 174, 493-501	8.3	10
93	Adsorptive Removal of Zn(II),Co(II) and Their Radioactive Isotopes <sup>65</sup> Zn, <sup>60</sup> Co on The Surface of Sodium Nano Bentonite Coated with Oleyl-Amine. <i>Journal of Radiation and Nuclear Applications</i> , <b>2017</b> , 2, 87-93	0.8	5
92	Assessment of the adsorptive color removal of methylene blue dye from water by activated carbon sorbent-immobilized-sodium decyl sulfate surfactant. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 8389-8405		6
91	Remediation of Cr(VI) via combined self-reduction and adsorption bychemically modified carbon sorbents. <i>Turkish Journal of Chemistry</i> , <b>2016</b> , 40, 906-920	1	5
90	Engineered staphylococcus aureus via immobilization on magnetic Fe <sub>3</sub> O <sub>4</sub> -phthalate nanoparticles for biosorption of divalent ions from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 3810-3824	6.8	22
89	Behavior of Al <sub>2</sub> O <sub>3</sub> -bonded-3-chloropropyltrimethoxysilane nanosorbent toward potential binding and removal of 4-nitroaniline and 2-amino-3-nitro-pyridine from water. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 224, 1358-1369	6	9

88	Adsorption Behavior of Solvent-Free Microwave Assisted Nanosilica-Functionalized Carboxylic Acids for the Removal of Cobalt (II) from Water. <i>Clean - Soil, Air, Water</i> , <b>2016</b> , 44, 1011-1022	1.6	13
87	Nanocomposites of nanosilica-immobilized-nanopolyaniline and crosslinked nanopolyaniline for removal of heavy metals. <i>Chemical Engineering Journal</i> , <b>2016</b> , 304, 679-691	14.7	71
86	Enhanced separation and extraction of cadmium and lead by a novel magnetite-immobilized-gelatin nano-sorbent. <i>Separation Science and Technology</i> , <b>2016</b> , 51, 767-777	2.5	4
85	Microwave-enforced sorption of heavy metals from aqueous solutions on the surface of magnetic iron oxide-functionalized-3-aminopropyltriethoxysilane. <i>Chemical Engineering Journal</i> , <b>2016</b> , 293, 200-206	14.7	37
84	Kinetics, isotherm, and thermodynamic studies of the adsorption of reactive red 195 A dye from water by modified Switchgrass Biochar adsorbent. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 37, 156-167	6.3	121
83	High performance microwave-enforced solid phase extraction of heavy metals from aqueous solutions using magnetic iron oxide nanoparticles-protected-nanosilica. <i>Separation and Purification Technology</i> , <b>2016</b> , 163, 169-172	8.3	29
82	Enhanced removal of lead and cadmium from water by Fe <sub>3</sub> O <sub>4</sub> -cross linked-O-phenylenediamine nano-composite. <i>Separation Science and Technology</i> , <b>2016</b> , 51, 237-247	2.5	21
81	Conversion of Waste Styrofoam into Engineered Adsorbents for Efficient Removal of Cadmium, Lead and Mercury from Water. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 819-827	8.3	40
80	Synthesis and surface protection of nano zerovalent iron (NZVI) with 3-aminopropyltrimethoxysilane for water remediation of cobalt and zinc and their radioactive isotopes. <i>RSC Advances</i> , <b>2016</b> , 6, 66242-66251	3.7	23
79	Removal of potassium permanganate from water by modified carbonaceous materials. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 15559-15569		10
78	High performance nano-zirconium silicate adsorbent for efficient removal of copper (II), cadmium (II) and lead (II). <i>Journal of Environmental Chemical Engineering</i> , <b>2015</b> , 3, 1320-1328	6.8	50
77	Magnetic accumulation and extraction of Cd(II), Hg(II) and Pb(II) by a novel nano-Fe <sub>3</sub> O <sub>4</sub> -coated-dioctylphthalate-immobilized-hydroxylamine. <i>Journal of Environmental Chemical Engineering</i> , <b>2015</b> , 3, 843-851	6.8	18
76	Facile microwave-assisted fabrication of nano-zirconium silicate-functionalized-3-aminopropyltrimethoxysilane as a novel adsorbent for superior removal of divalent ions. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 32, 365-372	6.3	25
75	A novel cellulose-dioctyl phthate-baker's yeast biosorbent for removal of Co(II), Cu(II), Cd(II), Hg(II) and Pb(II). <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2015</b> , 50, 1072-81	2.3	7
74	Synthesis and implementation of nano-chitosan and its acetophenone derivative for enhanced removal of metals. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 672-80	7.9	40
73	Novel nano-Fe <sub>3</sub> O <sub>4</sub> -encapsulated-dioctylphthalate and linked-triethylenetetramine sorbents for magnetic solid phase removal of heavy metals. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 25, 207-215	6.3	22
72	Biochar from woody biomass for removing metal contaminants and carbon sequestration. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 22, 103-109	6.3	143
71	Water treatment of hexavalent chromium by gelatin-impregnated-yeast (Gel-Yst) biosorbent. <i>Journal of Environmental Management</i> , <b>2015</b> , 147, 264-70	7.9	26



70	Improved removal and decolorization of C.I. anionic reactive yellow 145 A dye from water in a wide pH range via active carbon adsorbent-loaded-cationic surfactant. <i>Desalination and Water Treatment</i> , <b>2015</b> , 55, 227-240		12
69	A novel composite of nanomagnetite-immobilized-baker's yeast on the surface of activated carbon for magnetic solid phase extraction of Hg(II). <i>Fuel</i> , <b>2015</b> , 139, 614-621	7.1	47
68	Microbiological contamination of mobile phones of clinicians in intensive care units and neonatal care units in public hospitals in Kuwait. <i>BMC Infectious Diseases</i> , <b>2015</b> , 15, 434	4	26
67	Speciation and Selective Biosorption of Cr(III) and Cr(VI) Using Nanosilica Immobilized-Fungi Biosorbents. <i>Journal of Environmental Engineering, ASCE</i> , <b>2015</b> , 141, 04014079	2	15
66	Structural and optical evaluations of deposited nanocrystalline NiO thin films via a Ni(II)-8-hydroxyquinolate complex by the static step-by-step soft surface reaction technique for optoelectronic applications. <i>Polyhedron</i> , <b>2014</b> , 71, 75-84	2.7	6
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64	Enhanced decolorization of reactive black 5 dye by active carbon sorbent-immobilized-cationic surfactant (AC-CS). <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 994-1002	6.3	75
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60	Removal and speciation of chromium by static step-by-step deposition and extraction technique. <i>Chemical Engineering Journal</i> , <b>2013</b> , 230, 210-219	14.7	7
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44	Improved adsorptive removal of cadmium from water by hybrid chemically and biologically carbonaceous sorbents. <i>Chemical Engineering Journal</i> , <b>2011</b> , 175, 84-94	14.7	29
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29	Surface layer-by-layer chemical deposition reaction for thin film formation of nano-sized metal 8-hydroxyquinolate complexes. <i>Polyhedron</i> , <b>2009</b> , 28, 181-187	2.7	32
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