

Mohamed E Mahmoud

List of Publications by Citations

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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	Biochar from woody biomass for removing metal contaminants and carbon sequestration. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 22, 103-109	6.3	143
194	Design of novel nano-sorbents based on nano-magnetic iron oxide-bound-nano-silicon oxide-immobilized-triethylenetetramine for implementation in water treatment of heavy metals. <i>Chemical Engineering Journal</i> , 2013 , 223, 318-327	14.7	140
193	Selective pre-concentration and solid phase extraction of mercury(II) from natural water by silica gel-loaded dithizone phases. <i>Analytica Chimica Acta</i> , 2000 , 415, 33-40	6.6	137
192	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> , 2016 , 37, 156-167	6.3	121
191	Synthesis, characterization and structure effects on selectivity properties of silica gel covalently bonded diethylenetriamine mono- and bis-salicyaldehyde and naphthaldehyde Schiff(,)s bases towards some heavy metal ions. <i>Talanta</i> , 2001 , 54, 243-53	6.2	106
190	Selective solid phase extraction of mercury(II) by silica gel-immobilized-dithiocarbamate derivatives. <i>Analytica Chimica Acta</i> , 1999 , 398, 297-304	6.6	106
189	Supported hydrophobic ionic liquid on nano-silica for adsorption of lead. <i>Chemical Engineering Journal</i> , 2011 , 166, 157-167	14.7	90
188	Silica-immobilized formylsalicylic acid as a selective phase for the extraction of iron(III). <i>Talanta</i> , 1997 , 44, 15-22	6.2	86
187	Fabrication, characterization and gamma rays shielding properties of nano and micro lead oxide-dispersed-high density polyethylene composites. <i>Radiation Physics and Chemistry</i> , 2018 , 145, 160-173	17.5	82
186	Removal and preconcentration of lead (II) and other heavy metals from water by alumina adsorbents developed by surface-adsorbed-dithizone. <i>Desalination</i> , 2010 , 251, 123-130	10.3	80
185	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> , 2020 , 381, 120979	12.8	78
184	Enhanced decolorization of reactive black 5 dye by active carbon sorbent-immobilized-cationic surfactant (AC-CS). <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 994-1002	6.3	75
183	Nanocomposites of nanosilica-immobilized-nanopolyaniline and crosslinked nanopolyaniline for removal of heavy metals. <i>Chemical Engineering Journal</i> , 2016 , 304, 679-691	14.7	71
182	Removal and preconcentration of lead (II), copper (II), chromium (III) and iron (III) from wastewaters by surface developed alumina adsorbents with immobilized 1-nitroso-2-naphthol. <i>Journal of Hazardous Materials</i> , 2010 , 173, 349-57	12.8	65
181	High performance SiO ₂ -nanoparticles-immobilized-Penicillium funiculosum for bioaccumulation and solid phase extraction of lead. <i>Bioresource Technology</i> , 2012 , 106, 125-32	11	58
180	Immobilization of [Bmim+Tf ₂ N] ⁻ hydrophobic ionic liquid on nano-silica-amine sorbent for implementation in solid phase extraction and removal of lead. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 1252-1257	6.3	56
179	Recycled high-density polyethylene plastics added with lead oxide nanoparticles as sustainable radiation shielding materials. <i>Journal of Cleaner Production</i> , 2018 , 176, 276-287	10.3	53

178	Selective solid phase extraction and preconcentration of iron(III) based on silica gel-chemically immobilized purpurogallin. <i>Analytica Chimica Acta</i> , 2001 , 450, 239-246	6.6	52
177	Speciation, selective extraction and preconcentration of chromium ions via alumina-functionalized-isatin-thiosemicarbazone. <i>Journal of Hazardous Materials</i> , 2008 , 158, 541-8	12.8	51
176	Comparison of Metal Uptake Properties of Silica Gel-Bound Ion Exchangers and Some Amine Derivatives. <i>Analytical Letters</i> , 1996 , 29, 1791-1804	2.2	51
175	High performance nano-zirconium silicate adsorbent for efficient removal of copper (II), cadmium (II) and lead (II). <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 1320-1328	6.8	50
174	Aspects of surface modification, structure characterization, thermal stability and metal selectivity properties of silica gel phases-immobilized-amine derivatives. <i>Analytica Chimica Acta</i> , 2004 , 525, 123-132	6.6	48
173	Investigation of mechanical and radiation shielding characteristics of novel glass systems with the composition xNiO-20ZnO-60B ₂ O ₃ -(20-x) CdO based on nanometal oxides. <i>Journal of Non-Crystalline Solids</i> , 2020 , 528, 119754	3.9	48
172	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> , 2015 , 139, 614-621	7.1	47
171	Surface loaded 1-methyl-3-ethylimidazolium bis(trifluoromethylsulfonyl)imide [EMIM+Tf ₂ N] hydrophobic ionic liquid on nano-silica sorbents for removal of lead from water samples. <i>Desalination</i> , 2011 , 266, 119-127	10.3	47
170	Silica gel-immobilized Eriochrome black-T as a potential solid phase extractor for zinc (II) and magnesium (II) from calcium (II). <i>Talanta</i> , 1997 , 45, 309-15	6.2	47
169	Hybrid inorganic/organic alumina adsorbents-functionalized-purpurogallin for removal and preconcentration of Cr(III), Fe(III), Cu(II), Cd(II) and Pb(II) from underground water. <i>Journal of Hazardous Materials</i> , 2010 , 176, 906-12	12.8	43
168	Performance evaluation of hybrid inorganic/organic adsorbents in removal and preconcentration of heavy metals from drinking and industrial waste water. <i>Desalination</i> , 2010 , 253, 9-15	10.3	43
167	Nanoscale Pisum sativum pods biochar encapsulated starch hydrogel: A novel nanosorbent for efficient chromium (VI) ions and naproxen drug removal. <i>Bioresource Technology</i> , 2020 , 308, 123263	11	42
166	Dowex anion exchanger-loaded-baker's yeast as bi-functionalized biosorbents for selective extraction of anionic and cationic mercury(II) species. <i>Journal of Hazardous Materials</i> , 2009 , 164, 1036-44	12.8	42
165	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> , 2020 , 108, 110199	8.3	42
164	Synthesis and implementation of nano-chitosan and its acetophenone derivative for enhanced removal of metals. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 672-80	7.9	40
163	Conversion of Waste Styrofoam into Engineered Adsorbents for Efficient Removal of Cadmium, Lead and Mercury from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 819-827	8.3	40
162	Imprinting Nano-SiO ₂ -Crosslinked Chitosan-Nano-TiO ₂ Polymeric Nanocomposite for Selective and Instantaneous Microwave-Assisted Sorption of Hg(II) and Cu(II). <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4564-4573	8.3	39
161	Microwave-enforced sorption of heavy metals from aqueous solutions on the surface of magnetic iron oxide-functionalized-3-aminopropyltriethoxysilane. <i>Chemical Engineering Journal</i> , 2016 , 293, 200-206	14.7	37

160	Reactivity of Thioglycolic Acid Physically and Chemically Bound to Silica Gel as New Selective Solid Phase Extractors for Removal of Heavy Metal Ions From Natural Water Samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2002 , 82, 403-413	1.8	36
159	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 & Engineering Data</i> , 2017 , 62, 839-850	2.8	35
158	Enhanced biosorptive removal of cadmium from aqueous solutions by silicon dioxide nano-powder, heat inactivated and immobilized <i>Aspergillus ustus</i> . <i>Desalination</i> , 2011 , 279, 291-297	10.3	35
157	Selective Solid Phase Extraction and Pre-Concentration of Heavy Metals from Seawater by Physically and Chemically Immobilized 4-Amino-3-Hydroxy-2-(2-Chlorobenzene)-Azo-1-Naphthalene Sulfonic Acid Silica Gel. <i>Mikrochimica Acta</i> , 2003 , 143, 65-70	5.8	34
156	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> , 2020 , 298, 122514	11	34
155	Biosorption and removal of Cr(VI) and Cr(III) from water by eco-friendly gelatin biosorbent. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 715-722	6.8	33
154	Metal Sorption, Solid Phase Extraction and Preconcentration Properties of Two Silica Gel Phases Chemically Modified with 2-Hydroxy-1-Naphthaldehyde. <i>Mikrochimica Acta</i> , 2003 , 143, 25-31	5.8	33
153	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> , 2020 , 397, 122770	12.8	32
152	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> , 2019 , 137, 455-468	7.9	32
151	Engineered nano-zirconium oxide-crosslinked-nanolayer of carboxymethyl cellulose for speciation and adsorptive removal of Cr(III) and Cr(VI). <i>Powder Technology</i> , 2017 , 321, 444-453	5.2	32
150	Surface layer-by-layer chemical deposition reaction for thin film formation of nano-sized metal 8-hydroxyquinolate complexes. <i>Polyhedron</i> , 2009 , 28, 181-187	2.7	32
149	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> , 2017 , 487, 13-22	3.3	31
148	STUDY OF THE SELECTIVITY CHARACTERISTICS INCORPORATED INTO PHYSICALLY ADSORBED ALUMINA PHASES. II. MERCAPTONICOTINIC ACID AND POTENTIAL APPLICATIONS AS SELECTIVE STATIONARY PHASES FOR SEPARATION, EXTRACTION, AND PRECONCENTRATION OF LEAD(II) AND COPPER(II). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002 , 25, 1187-1199	1.3	31
147	Fabricated and functionalized magnetite/phenylenediamine/cellulose acetate nanocomposite for adsorptive removal of methylene blue. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 196-203	7.9	30
146	Heavy metal ions extraction from aqueous media using nanoporous silica. <i>Chemical Engineering Journal</i> , 2011 , 175, 117-123	14.7	30
145	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> , 2016 , 163, 169-172	8.3	29
144	Immobilization of <i>Fusarium verticillioides</i> fungus on nano-silica (NSi-Fus): a novel and efficient biosorbent for water treatment and solid phase extraction of Mg(II) and Ca(II). <i>Bioresource Technology</i> , 2013 , 134, 324-30	11	29
143	Improved adsorptive removal of cadmium from water by hybrid chemically and biologically carbonaceous sorbents. <i>Chemical Engineering Journal</i> , 2011 , 175, 84-94	14.7	29

142	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> , 2017 , 105, 1269-1278	7.9	28
141	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> , 2020 , 823, 153855	5.7	27
140	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> , 2018 , 111, 393-399	7.9	27
139	Synthesis, characterization, and sorption properties of silica gel-immobilized pyrimidine derivative. <i>Journal of Colloid and Interface Science</i> , 2006 , 300, 94-9	9.3	27
138	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> , 2020 , 8, 104316	6.8	27
137	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> , 2017 , 240, 280-290	6	26
136	Water treatment of hexavalent chromium by gelatin-impregnated-yeast (Gel-Yst) biosorbent. <i>Journal of Environmental Management</i> , 2015 , 147, 264-70	7.9	26
135	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> , 2015 , 15, 434	4	26
134	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> , 2020 , 318, 114297	6	26
133	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> , 2020 , 164, 920-931	7.9	26
132	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> , 2021 , 408, 124951	12.8	26
131	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> , 2015 , 32, 365-372	6.3	25
130	Metal Uptake Properties of Polystyrene Resin Immobilized Polyamine and Formylsalicylic Acid Derivatives as Chelation Ion Exchangers.. <i>Analytical Sciences</i> , 1997 , 13, 765-769	1.7	25
129	Synthesis, Characterization and Selective Metal Binding Properties of Physically Adsorbed 2-Thiouracil on the Surface of Porous Silica and Alumina. <i>Mikrochimica Acta</i> , 2004 , 147, 111	5.8	25
128	Selective extraction of toxic heavy metal oxyanions and cations by a novel silica gel phase functionalized by vitamin B4. <i>Chemical Engineering Journal</i> , 2011 , 172, 177-183	14.7	24
127	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> , 2020 , 359, 247-260	5.2	24
126	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> , 2016 , 6, 66242-66251	3.7	23
125	Development of microwave-assisted functionalized nanosilicas for instantaneous removal of heavy metals. <i>Powder Technology</i> , 2018 , 326, 454-466	5.2	23

124	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> , 2018 , 57, 28-36	6.3	23
123	Effective removal of crystal violet and methylene blue dyes from water by surface functionalized zirconium silicate nanocomposite. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103009	6.8	22
122	Novel nano-Fe ₃ O ₄ -encapsulated-dioctylphthalate and linked-triethylenetetramine sorbents for magnetic solid phase removal of heavy metals. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 25, 207-215	6.3	22
121	Adsorptive removal of radioactive isotopes of cobalt and zinc from water and radioactive wastewater using TiO ₂ /Ag ₂ O nanoadsorbents. <i>Progress in Nuclear Energy</i> , 2018 , 106, 51-63	2.3	22
120	Engineered staphylococcus aureus via immobilization on magnetic Fe ₃ O ₄ -phthalate nanoparticles for biosorption of divalent ions from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 3810-3824	6.8	22
119	Fabrication and characterization of phosphotungstic acid - Copper oxide nanoparticles - Plastic waste nanocomposites for enhanced radiation-shielding. <i>Journal of Alloys and Compounds</i> , 2019 , 803, 768-777	5.7	22
118	Enhanced removal of lead and cadmium from water by Fe ₃ O ₄ -cross linked-O-phenylenediamine nano-composite. <i>Separation Science and Technology</i> , 2016 , 51, 237-247	2.5	21
117	Investigation of physical, mechanical and gamma-ray shielding properties using ceramic tiles incorporated with powdered lead oxide. <i>Ceramics International</i> , 2020 , 46, 15686-15694	5.1	20
116	Water and soil decontamination of toxic heavy metals using aminosilica-functionalized-ionic liquid nanocomposite. <i>Journal of Molecular Liquids</i> , 2018 , 266, 834-845	6	20
115	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> , 2017 , 24, 18218-18228	5.1	20
114	Removal of radioactive cobalt/zinc and some heavy metals from water using diethylenetriamine/2-pyridinecarboxaldehyde supported on NZVI. <i>Microchemical Journal</i> , 2019 , 145, 1102-1111	4.8	20
113	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> , 2019 , 136, 47812	2.9	19
112	Selective preconcentration of uranyl ion by silica gel phases modified with chelating compounds as inorganic polymeric ion exchangers. <i>Analytical Sciences</i> , 2008 , 24, 381-7	1.7	19
111	Magnetic accumulation and extraction of Cd(II), Hg(II) and Pb(II) by a novel nano-Fe ₃ O ₄ -coated-dioctylphthalate-immobilized-hydroxylamine. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 843-851	6.8	18
110	Sustained-release Griffithsin nanoparticle-fiber composites against HIV-1 and HSV-2 infections. <i>Journal of Controlled Release</i> , 2020 , 321, 84-99	11.7	18
109	Static removal of cadmium from aqueous and nonaqueous matrices by application of layer-by-layer chemical deposition technique. <i>Chemical Engineering Journal</i> , 2011 , 166, 916-922	14.7	18
108	Nano-sized Co(II)-8-hydroxyquinolate complex thin film via surface layer-by-layer chemical deposition method: Optimized factors and optical properties. <i>Polyhedron</i> , 2009 , 28, 3407-3414	2.7	18
107	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> , 2020 , 8, 104015	6.8	17

106	Adjusted pH for the Selective Separation of Cadmium from Lead by Nano-Active Silica-Functionalized-[Bmim+Tf2 N] Ionic Liquid. <i>Separation Science and Technology</i> , 2013 , 48, 931-940	2.5	17
105	Development of a Method for Chromium Speciation by Selective Solid Phase Extraction and Preconcentration on Alumina-Functionalized Thiosemicarbazide. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008 , 31, 2475-2492	1.3	17
104	Developed magnetic Fe ₃ O ₄ @MoO ₃ -AC nanocomposite for effective removal of ciprofloxacin from water. <i>Materials Chemistry and Physics</i> , 2021 , 257, 123454	4.4	17
103	Role of novel ternary nanocomposites polypropylene in nuclear radiation attenuation properties: In-depth simulation study. <i>Radiation Physics and Chemistry</i> , 2021 , 188, 109667	2.5	17
102	Solvent free microwave synthesis of nano polyaniline-zirconium silicate nanocomposite for removal of nitro derivatives. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 77, 371-384	6.3	16
101	Encapsulation of starch hydrogel and doping nanomagnetite onto metal-organic frameworks for efficient removal of fluvastatin antibiotic from water. <i>Carbohydrate Polymers</i> , 2020 , 245, 116438	10.3	16
100	Fast microwave-assisted sorption of heavy metals on the surface of nanosilica-functionalized-glycine and reduced glutathione. <i>Bioresource Technology</i> , 2018 , 264, 228-237	11	16
99	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> , 2018 , 63, 220-229	6.3	15
98	Speciation and Selective Biosorption of Cr(III) and Cr(VI) Using Nanosilica Immobilized-Fungi Biosorbents. <i>Journal of Environmental Engineering, ASCE</i> , 2015 , 141, 04014079	2	15
97	A novel nanocomposite of Liquidambar styraciflua fruit biochar-crosslinked-nanosilica for uranyl removal from water. <i>Bioresource Technology</i> , 2019 , 278, 124-129	11	15
96	A novel multifunctional sandwiched activated carbon between manganese and tin oxides nanoparticles for removal of divalent metal ions. <i>Powder Technology</i> , 2019 , 351, 169-177	5.2	14
95	Spectral-optical-electrical-thermal properties of deposited thin films of nano-sized calcium(II)-8-hydroxy-5,7-dinitroquinolate complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 82, 467-74	4.4	14
94	Chromium speciation, selective extraction and preconcentration by alumina-functionalised 2-pyridenecarboxyladehyde thiosemicarbazone. <i>International Journal of Environmental Analytical Chemistry</i> , 2008 , 88, 1017-1031	1.8	14
93	Catalytic reduction of nitrophenols by a novel assembled nanocatalyst based on zerovalent copper-nanopolyaniline-nanozirconium silicate. <i>Journal of Molecular Liquids</i> , 2020 , 299, 112192	6	14
92	Green nanosilica@folic Acid (VB9) nanocomposite for engineered adsorptive water remediation of bivalent lead, cadmium and copper. <i>Powder Technology</i> , 2019 , 344, 719-729	5.2	14
91	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> , 2016 , 44, 1011-1022	1.6	13
90	Design, characterization and optical properties of assembled nanoscale thin films of copper (II) complex with 5-azo-Phenol-8-Hydroxyquinoline. <i>Optical Materials</i> , 2019 , 95, 109215	3.3	13
89	Chemically and biologically modified activated carbon sorbents for the removal of lead ions from aqueous media. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012 , 47, 130-41	2.3	13

88	Synthesis, characterization and metal chelating properties of silica-physisorbed and chemisorbed-2,5-dioxypiperazine. <i>Polyhedron</i> , 2007 , 26, 3956-3962	2.7	13
87	Removal of yttrium (III) from aqueous solution using surface metal sequestration methodology by 3-azo-phenolate salicylic acid. <i>Journal of Molecular Liquids</i> , 2019 , 274, 25-32	6	13
86	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> , 2019 , 288, 110979 ⁶		12
85	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> , 2015 , 55, 227-240		12
84	Characterization of Surface Modification, Thermal Stability, and Metal Selectivity Properties of Silica Gel Phases-Immobilized Dithiocarbamate Derivatives. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004 , 27, 1711-1727	1.3	12
83	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 & Engineering Data</i> , 2019 , 64, 6060-6070	2.8	12
82	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> , 2018 , 25, 22120-22135	5.1	12
81	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> , 2017 , 184, 134-140	4.4	11
80	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> , 2017 , 101, 230-240	7.9	11
79	Fabrication of Engineered Silica-Functionalized-Polyanilines Nanocomposites for Water Decontamination of Cadmium and Lead. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 3858-3876	4.5	11
78	Thin film assembly of nano-sized Zn(II)-8-hydroxy-5,7-dinitroquinolate by using successive ion layer adsorption and reaction (SILAR) technique: characterization and optical-electrical-photovoltaic properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 93, 116-24	4.4	11
77	Adsorptive removal of Mn(II)/Mn(VII) from various aqueous and nonaqueous solutions by using layer-by-layer chemical deposition technique. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 2191-2198	6.3	11
76	Implementation of layer-by-layer chemical deposition technique for static removal of magnesium from various matrices. <i>Chemical Engineering Journal</i> , 2011 , 171, 181-189	14.7	11
75	Comparative Study of the Reactivity and Selectivity Characteristics of Three Silica Gel Phases/Immobilized-8-Hydroxyquinoline for Separation and Pre-concentration of Chromium (III) from Water Samples. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003 , 26, 3045-3056	1.3	11
74	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> , 2021 , 9, 104697	6.8	11
73	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> , 2017 , 5, 5157-5168	6.8	10
72	Magnetically active biosorbent for chromium species removal from aqueous media. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 1064-76	2.3	10
71	Separation of Cr(VI) from Water by Green Reduction Reaction and Adsorptive Removal on Gelatin-Grafted-Yeast Biosorbent. <i>Separation Science and Technology</i> , 2014 , 49, 868-876	2.5	10

70	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> , 2017 , 174, 493-501	8.3	10
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