

Mohamed E Mahmoud

List of Publications by Year in descending order

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201
papers

6,654
citations

57758

44
h-index

102487

66
g-index

202
all docs

202
docs citations

202
times ranked

5186
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Sequential removal of chromium (VI) and prednisolone by nanobiochar- enriched-diamine derivative. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 7011-7030. | 4.6 | 8 |
| 2 | Adsorption behavior of silver quantum dots by a novel super magnetic CoFe ₂ O ₄ -biochar-polymeric nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1597-1608. | 9.4 | 27 |
| 3 | Synergistic effects on gamma-ray shielding by novel light-weight nanocomposite materials of bentonite containing nano Bi ₂ O ₃ additive. <i>Ceramics International</i> , 2022, 48, 7291-7303. | 4.8 | 19 |
| 4 | 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> , 2022, 121, 108744. | 3.9 | 15 |
| 5 | Recent advances in adsorptive removal and catalytic reduction of hexavalent chromium by metal-organic frameworks composites. <i>Journal of Molecular Liquids</i> , 2022, 347, 118274. | 4.9 | 36 |
| 6 | 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> , 2022, 46, 102562. | 5.6 | 13 |
| 7 | 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> , 2022, 32, 100720. | 1.2 | 11 |
| 8 | Enhancement and optimization of gamma radiation shielding by doped nano HgO into nanoscale bentonite. <i>Nuclear Engineering and Technology</i> , 2022, 54, 2253-2261. | 2.3 | 14 |
| 9 | The design of SnO ₂ -crosslinked-chitosan nanocomposite for microwave-assisted adsorption of aqueous cadmium and mercury ions. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 28, 100731. | 3.3 | 8 |
| 10 | Adsorptive removal of Ag/Au quantum dots onto covalent organic frameworks@magnetic zeolite@arabic gum hydrogel and their catalytic microwave-Fenton oxidative degradation of Rifampicin antibiotic. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 602-618. | 9.4 | 16 |
| 11 | A novel β -cyclodextrin/alginate-combined-nickel oxide nanosorbent for adsorptive remediation of ⁵¹ Cr and ⁵⁶ Mn radionuclides. <i>Applied Radiation and Isotopes</i> , 2022, 188, 110324. | 1.5 | 1 |
| 12 | Influence of MgO and ZnO as nano-additives on the mechanical, microstructural and thermal performance of high-density polyethylene. <i>Journal of Applied Polymer Science</i> , 2022, 139, . | 2.6 | 6 |
| 13 | Microwave adsorption of lead from water using lanthanum iron sulfide nanocomposite. <i>Materials Chemistry and Physics</i> , 2022, 288, 126370. | 4.0 | 1 |
| 14 | Peripheral perfusion index as a predictor of failed weaning from mechanical ventilation. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 405-412. | 1.6 | 6 |
| 15 | Green synthesis and surface decoration of silver nanoparticles onto γ -FeOOH-Polymeric nanocomposite as efficient nanocatalyst for dyes degradation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104697. | 6.7 | 25 |
| 16 | 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. | 4.0 | 44 |
| 17 | One-step synthesis of zero-valent Sn nanoparticles and potential microwave remediation of lead from water. <i>Materials Research Bulletin</i> , 2021, 134, 111090. | 5.2 | 15 |
| 18 | Novel NTiO ₂ -chitosan@NZrO ₂ -chitosan nanocomposite for effective adsorptive uptake of trivalent gadolinium and samarium ions from water. <i>Powder Technology</i> , 2021, 378, 246-254. | 4.2 | 20 |

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|----|---|------|-----------|
| 19 | Behavior of surface coated zirconium silicate-nanopolyaniline with nano zerovalent copper (ZrSiO ₄ @NPANI@nZVCu) toward catalytic reduction of nitroanilines. Materials Chemistry and Physics, 2021, 258, 123890. | 4.0 | 14 |
| 20 | Promoted adsorptive removal of chromium(Cr^{VI}) ions from water by a green-synthesized hybrid magnetic nanocomposite (NFe ₃ O ₄ @Starch-Glu-NFe ₃ O ₄ @ED). RSC Advances, 2021, 11, 14829-14843. | 3.6 | 19 |
| 21 | Multifunctionalized graphene oxide@nanopolyaniline@zirconium silicate nanocomposite for rapid microwable removal of dyes. Journal of Nanostructure in Chemistry, 2021, 11, 645-662. | 9.1 | 35 |
| 22 | Effects of Al ₂ O ₃ and BaO nano-additives on mechanical characteristics of high-density polyethylene. Materials Chemistry and Physics, 2021, 262, 124251. | 4.0 | 25 |
| 23 | A comparative Study Between Fluka and Microshield Modeling Calculations to study the Radiation Shielding of Nanoparticles and Plastic Waste composites. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1083-1090. | 1.2 | 30 |
| 24 | Assembly of CeO ₂ @MoO ₃ @SiO ₂ (CH ₂) ₃ -(Alginate) ₂ As A novel nanocomposite for removal of MnII/CrVI and 56Mn/51Cr radionuclides from water. Materials Chemistry and Physics, 2021, 262, 124278. | 4.0 | 16 |
| 25 | Self-decoration of N-doped graphene oxide 3-D hydrogel onto magnetic shrimp shell biochar for enhanced removal of hexavalent chromium. Journal of Hazardous Materials, 2021, 408, 124951. | 12.4 | 52 |
| 26 | Manganese dioxide nanoparticles decorated with chitosan for effective removal of lead and lanthanum ions from water by microwave sorption technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 267, 115091. | 3.5 | 25 |
| 27 | New magnetic cellulose nanobiocomposites for Cu(II), Cd(II) and Pb(II) ions removal: kinetics, thermodynamics and analytical evaluation. Nanotechnology for Environmental Engineering, 2021, 6, 1. | 3.3 | 18 |
| 28 | High performance of carbon quantum dots-decorated-polymeric nanocomposite for enhanced microwave adsorption of vanadium (V) from water. Groundwater for Sustainable Development, 2021, 14, 100582. | 4.6 | 9 |
| 29 | Efficient and ultrafast removal of Cd(II) and Sm(III) from water by leaves of Cynara scolymus derived biochar. Materials Research Bulletin, 2021, 141, 111334. | 5.2 | 21 |
| 30 | Decorated Mn-ferrite nanoparticle@Zn@Al layered double hydroxide@Cellulose@ activated biochar nanocomposite for efficient remediation of methylene blue and mercury (II). Bioresource Technology, 2021, 342, 126029. | 9.6 | 29 |
| 31 | Effective removal of levofloxacin drug and Cr(VI) from water by a composed nanobiosorbent of vanadium pentoxide@chitosan@MOFs. International Journal of Biological Macromolecules, 2021, 188, 879-891. | 7.5 | 37 |
| 32 | Role of novel ternary nanocomposites polypropylene in nuclear radiation attenuation properties: In-depth simulation study. Radiation Physics and Chemistry, 2021, 188, 109667. | 2.8 | 42 |
| 33 | Ceramic tiles doped with lead oxide nanoparticles: Their fabrication, physical, mechanical characteristics and γ -ray shielding performance. Radiation Physics and Chemistry, 2021, 189, 109780. | 2.8 | 18 |
| 34 | Synergistic effect of nano@bentonite and nanocadmium oxide doping concentrations on assembly, characterization, and enhanced γ rays shielding properties of polypropylene ternary nanocomposites. International Journal of Energy Research, 2021, 45, 8942-8959. | 4.5 | 22 |
| 35 | 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. Cellulose, 2021, 28, 11397-11416. | 4.9 | 9 |
| 36 | Doping starch-gelatin mixed hydrogels with magnetic spinel ferrite@biochar@molybdenum oxide as a highly efficient nanocomposite for removal of lead (II) ions. Journal of Environmental Chemical Engineering, 2021, 9, 106682. | 6.7 | 27 |

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|----|---|------|-----------|
| 37 | 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. | 4.2 | 40 |
| 38 | 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. | 12.4 | 125 |
| 39 | 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> , 2020, 528, 119754. | 3.1 | 76 |
| 40 | 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. | 7.3 | 94 |
| 41 | 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. | 9.6 | 61 |
| 42 | 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. | 4.9 | 22 |
| 43 | Rapid and efficient removal of lead from water by $\text{Fe}^{\text{II}}/\text{FeOOH}/\text{Cellulose}/\text{TiO}_2$ nanocomposite. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114689. | 3.5 | 18 |
| 44 | 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. | 4.9 | 68 |
| 45 | 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. | 7.5 | 56 |
| 46 | 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. | 6.7 | 48 |
| 47 | Promoted removal of metformin hydrochloride anti-diabetic drug from water by fabricated and modified nanobiochar from artichoke leaves. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100336. | 3.3 | 25 |
| 48 | 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> , 2020, 14, 100367. | 2.9 | 8 |
| 49 | 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> , 2020, 238, 118448. | 3.9 | 10 |
| 50 | 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. | 6.7 | 42 |
| 51 | 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. | 10.2 | 44 |
| 52 | 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. | 4.8 | 41 |
| 53 | Metal-Organic Framework-Functionalized Copper-Amine Complex: A Robust Nanocomposite for Doxycycline Antibiotic Removal. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 3546-3559. | 1.9 | 11 |
| 54 | Sustained-release Griffithsin nanoparticle-fiber composites against HIV-1 and HSV-2 infections. <i>Journal of Controlled Release</i> , 2020, 321, 84-99. | 9.9 | 33 |

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|----|---|------|-----------|
| 55 | Nano-manganese oxide-functionalized-oleyl amine as a simple and low cost nanosorbent for remediation of Zn(II)/Co(II) and their radioactive nuclides ⁶⁵ Zn and ⁶⁰ Co from water. <i>Applied Radiation and Isotopes</i> , 2020, 159, 108989. | 1.5 | 7 |
| 56 | Accuracy and trending of non-invasive oscillometric blood pressure monitoring at the wrist in obese patients. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 221-227. | 1.4 | 14 |
| 57 | 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. | 5.5 | 43 |
| 58 | 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. | 9.6 | 76 |
| 59 | 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> , 2020, 309, 113096. | 4.9 | 14 |
| 60 | Development of titanium oxide-bound- β -aminophosphonate nanocomposite for adsorptive removal of lead and copper from aqueous solution. <i>Water Resources and Industry</i> , 2020, 23, 100126. | 3.9 | 12 |
| 61 | 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. | 12.4 | 73 |
| 62 | 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> , 2020, 251, 123107. | 4.0 | 12 |
| 63 | 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. | 7.5 | 50 |
| 64 | 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. | 5.5 | 44 |
| 65 | 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. | 3.6 | 17 |
| 66 | 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. | 7.5 | 43 |
| 67 | Microwave-Assisted Modification of Nanoalumina with Vitamin B3 as an Eco-Friendly Nanosorbent for Trace Metals. <i>Clean - Soil, Air, Water</i> , 2019, 47, 1900022. | 1.1 | 0 |
| 68 | 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. | 5.8 | 21 |
| 69 | 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. | 4.9 | 18 |
| 70 | 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. | 6.7 | 42 |
| 71 | 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. | 4.2 | 17 |
| 72 | 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. | 2.6 | 42 |

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| 73 | Remediation of Co/Zn ions and their ⁶⁰ Co/ ⁶⁵ Zn radioactive nuclides from aqueous solutions by acid activated nanobentonite. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019, 12, 100277. | 2.9 | 4 |
| 74 | 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. | 1.9 | 13 |
| 75 | 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> , 2019, 7, 102850. | 6.7 | 11 |
| 76 | 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. | 4.5 | 28 |
| 77 | 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. | 4.2 | 18 |
| 78 | Intercalation of Nanopolyaniline with Nanobentonite and Manganese Oxide Nanoparticles as a Novel Nanocomposite to Remediate Cobalt/Zinc and Their Radioactive Nuclides ⁶⁰ Co/ ⁶⁵ Zn. <i>Journal of Polymers and the Environment</i> , 2019, 27, 421-433. | 5.0 | 9 |
| 79 | A novel nanocomposite of Liquidambar styraciflua fruit biochar-crosslinked-nanosilica for uranyl removal from water. <i>Bioresource Technology</i> , 2019, 278, 124-129. | 9.6 | 20 |
| 80 | 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. | 4.9 | 14 |
| 81 | Environmental water remediation using covalently functionalized zerovalent iron nanocomposites with 2-pyridinecarboxaldehyde via 3-aminopropyltrimethoxysilane and ethylenediamine. <i>Separation Science and Technology</i> , 2019, 54, 1125-1140. | 2.5 | 8 |
| 82 | 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> , 2019, 10, 1155-1173. | 0.7 | 11 |
| 83 | 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. | 5.8 | 15 |
| 84 | 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. | 6.7 | 45 |
| 85 | 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. | 9.3 | 103 |
| 86 | 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. | 7.5 | 40 |
| 87 | 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. | 2.9 | 34 |
| 88 | 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. | 2.8 | 156 |
| 89 | Development of microwave-assisted functionalized nanosilicas for instantaneous removal of heavy metals. <i>Powder Technology</i> , 2018, 326, 454-466. | 4.2 | 25 |
| 90 | 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. | 5.8 | 27 |

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| 91 | 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. | 9.6 | 18 |
| 92 | Green solid synthesis of polyaniline-silver oxide nanocomposite for the adsorptive removal of ionic divalent species of Zn/Co and their radioactive isotopes ⁶⁵ Zn/ ⁶⁰ Co. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22120-22135. | 5.3 | 22 |
| 93 | Fabrication of magnetite-functionalized-graphene oxide and hexadecyltrimethyl ammonium bromide nanocomposite for efficient nanosorption of sunset yellow. <i>Materials Science and Engineering C</i> , 2018, 92, 287-296. | 7.3 | 21 |
| 94 | 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. | 5.0 | 13 |
| 95 | Water and soil decontamination of toxic heavy metals using aminosilica-functionalized-ionic liquid nanocomposite. <i>Journal of Molecular Liquids</i> , 2018, 266, 834-845. | 4.9 | 31 |
| 96 | New biosorbent in removing some metals from industrial wastewater in El Mex Bay, Egypt. <i>Applied Water Science</i> , 2017, 7, 1931-1942. | 5.6 | 7 |
| 97 | 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. | 2.7 | 34 |
| 98 | 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. | 1.9 | 55 |
| 99 | 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> , 2017, 237, 455-465. | 4.9 | 9 |
| 100 | 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. | 3.9 | 13 |
| 101 | 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. | 4.9 | 32 |
| 102 | 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. | 7.5 | 14 |
| 103 | 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. | 6.7 | 14 |
| 104 | Layer-by-layer assembly and functionalization of nanobentonite with nanopolyaniline and oleic acid to remove divalent Zn, Co, ⁶⁵ Zn, and ⁶⁰ Co from water and radioactive wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 665-673. | 6.0 | 10 |
| 105 | Solidâ€“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. | 7.5 | 38 |
| 106 | Surface functionalized γ -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> , 2017, 242, 1248-1262. | 4.9 | 8 |
| 107 | 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. | 4.2 | 42 |
| 108 | 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. | 5.3 | 30 |

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|-----|---|------|-----------|
| 109 | Factors optimization of super fast removal of heavy metals from aqueous solution using microwave-enforced sorption on the surface of a novel nano-composite. Separation and Purification Technology, 2017, 174, 493-501. | 7.9 | 15 |
| 110 | Adsorptive Removal of Zn(II),Co(II) and Their Radioactive Isotopes 65Zn, 60Co on The Surface of Sodium Nano Bentonite Coated with Oleyl-Amine. Journal of Radiation and Nuclear Applications, 2017, 2, 87-93. | 0.1 | 8 |
| 111 | Remediation of Cr(VI) via combined self-reduction and adsorption bychemically modified carbon sorbents. Turkish Journal of Chemistry, 2016, 40, 906-920. | 1.2 | 5 |
| 112 | Synthesis and surface protection of nano zerovalent iron (NZVI) with 3-aminopropyltrimethoxysilane for water remediation of cobalt and zinc and their radioactive isotopes. RSC Advances, 2016, 6, 66242-66251. | 3.6 | 30 |
| 113 | Removal of potassium permanganate from water by modified carbonaceous materials. Desalination and Water Treatment, 2016, 57, 15559-15569. | 1.0 | 15 |
| 114 | Engineered staphylococcus aureus via immobilization on magnetic Fe ₃ O ₄ -phthalate nanoparticles for biosorption of divalent ions from aqueous solutions. Journal of Environmental Chemical Engineering, 2016, 4, 3810-3824. | 6.7 | 33 |
| 115 | Behavior of ¹³ Al ₂ O ₃ -bonded-3-chloropropyltrimethoxysilane nanosorbent toward potential binding and removal of 4-nitroaniline and 2-amino-3-nitro-pyridine from water. Journal of Molecular Liquids, 2016, 224, 1358-1369. | 4.9 | 12 |
| 116 | Adsorption Behavior of Solvent-Free Microwave Assisted Nanosilica-Functionalized Carboxylic Acids for the Removal of Cobalt (II) from Water. Clean - Soil, Air, Water, 2016, 44, 1011-1022. | 1.1 | 15 |
| 117 | Nanocomposites of nanosilica-immobilized-nanopolyaniline and crosslinked nanopolyaniline for removal of heavy metals. Chemical Engineering Journal, 2016, 304, 679-691. | 12.7 | 86 |
| 118 | Enhanced separation and extraction of cadmium and lead by a novel magnetite-immobilized-gelatin nano-sorbent. Separation Science and Technology, 2016, 51, 767-777. | 2.5 | 5 |
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