

Niyaz Mohammad Mahmoodi

List of Publications by Year in descending order

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Version: 2024-02-01

212
papers

16,039
citations

3531

90
h-index

19190

118
g-index

214
all docs

214
docs citations

214
times ranked

11010
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Synthesis of metal-organic framework hybrid nanocomposites based on GO and CNT with high adsorption capacity for dye removal. <i>Chemical Engineering Journal</i> , 2017, 326, 1145-1158. | 12.7 | 494 |
| 2 | Removal of dyes from colored textile wastewater by orange peel adsorbent: Equilibrium and kinetic studies. <i>Journal of Colloid and Interface Science</i> , 2005, 288, 371-376. | 9.4 | 433 |
| 3 | Equilibrium and kinetics studies for the adsorption of direct and acid dyes from aqueous solution by soy meal hull. <i>Journal of Hazardous Materials</i> , 2006, 135, 171-179. | 12.4 | 361 |
| 4 | Adsorption of textile dyes on Pine Cone from colored wastewater: Kinetic, equilibrium and thermodynamic studies. <i>Desalination</i> , 2011, 268, 117-125. | 8.2 | 342 |
| 5 | MIL-Ti metal-organic frameworks (MOFs) nanomaterials as superior adsorbents: Synthesis and ultrasound-aided dye adsorption from multicomponent wastewater systems. <i>Journal of Hazardous Materials</i> , 2018, 347, 123-140. | 12.4 | 308 |
| 6 | Degradation of a persistent organic dye from colored textile wastewater by ozonation. <i>Desalination</i> , 2010, 260, 34-38. | 8.2 | 278 |
| 7 | Novel biocompatible composite (Chitosan-zinc oxide nanoparticle): Preparation, characterization and dye adsorption properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 86-93. | 5.0 | 247 |
| 8 | Kinetics of heterogeneous photocatalytic degradation of reactive dyes in an immobilized TiO ₂ photocatalytic reactor. <i>Journal of Colloid and Interface Science</i> , 2006, 295, 159-164. | 9.4 | 221 |
| 9 | Decolorization and aromatic ring degradation kinetics of Direct Red 80 by UV oxidation in the presence of hydrogen peroxide utilizing TiO ₂ as a photocatalyst. <i>Chemical Engineering Journal</i> , 2005, 112, 191-196. | 12.7 | 209 |
| 10 | Metal-organic framework (MIL-100 (Fe)): Synthesis, detailed photocatalytic dye degradation ability in colored textile wastewater and recycling. <i>Materials Research Bulletin</i> , 2018, 100, 357-366. | 5.2 | 174 |
| 11 | Synthesis of pearl necklace-like ZIF-8@chitosan/PVA nanofiber with synergistic effect for recycling aqueous dye removal. <i>Carbohydrate Polymers</i> , 2020, 227, 115364. | 10.2 | 166 |
| 12 | Dye removal from colored textile wastewater using acrylic grafted nanomembrane. <i>Desalination</i> , 2011, 267, 107-113. | 8.2 | 161 |
| 13 | Bio-based magnetic metal-organic framework nanocomposite: Ultrasound-assisted synthesis and pollutant (heavy metal and dye) removal from aqueous media. <i>Applied Surface Science</i> , 2019, 480, 288-299. | 6.1 | 159 |
| 14 | The sorption of cationic dyes onto kaolin: Kinetic, isotherm and thermodynamic studies. <i>Desalination</i> , 2011, 266, 274-280. | 8.2 | 158 |
| 15 | Preparation and characterization of a novel polyethersulfone (PES) ultrafiltration membrane modified with a CuO/ZnO nanocomposite to improve permeability and antifouling properties. <i>Separation and Purification Technology</i> , 2018, 192, 369-382. | 7.9 | 157 |
| 16 | Investigation on the adsorption capability of egg shell membrane towards model textile dyes. <i>Chemosphere</i> , 2006, 65, 1999-2008. | 8.2 | 150 |
| 17 | Chitosan-wrapped multiwalled carbon nanotube as filler within PEBA thin film nanocomposite (TFN) membrane to improve dye removal. <i>Carbohydrate Polymers</i> , 2020, 237, 116128. | 10.2 | 150 |
| 18 | Evaluation of the adsorption kinetics and equilibrium for the potential removal of acid dyes using a biosorbent. <i>Chemical Engineering Journal</i> , 2008, 139, 2-10. | 12.7 | 149 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Environmentally friendly ultrasound-assisted synthesis of magnetic zeolitic imidazolate framework - Graphene oxide nanocomposites and pollutant removal from water. <i>Journal of Molecular Liquids</i> , 2019, 282, 115-130. | 4.9 | 147 |
| 20 | Nanoporous metal-organic framework (MOF-199): Synthesis, characterization and photocatalytic degradation of Basic Blue 41. <i>Microchemical Journal</i> , 2019, 144, 436-442. | 4.5 | 144 |
| 21 | Efficient removal of cationic dyes from colored wastewaters by dithiocarbamate-functionalized graphene oxide nanosheets: From synthesis to detailed kinetics studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 81, 239-246. | 5.3 | 143 |
| 22 | Clean Laccase immobilized nanobiocatalysts (graphene oxide - zeolite nanocomposites): From production to detailed biocatalytic degradation of organic pollutant. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118443. | 20.2 | 143 |
| 23 | Covalently immobilized laccase onto graphene oxide nanosheets: Preparation, characterization, and biodegradation of azo dyes in colored wastewater. <i>Journal of Molecular Liquids</i> , 2019, 276, 153-162. | 4.9 | 138 |
| 24 | Degradation and toxicity reduction of textile wastewater using immobilized titania nanophotocatalysis. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009, 94, 20-24. | 3.8 | 137 |
| 25 | Dye removal from colored textile wastewater using chitosan in binary systems. <i>Desalination</i> , 2011, 267, 64-72. | 8.2 | 137 |
| 26 | Synthesis of magnetic metal-organic framework nanocomposite (ZIF-8@SiO ₂ @MnFe ₂ O ₄) as a novel adsorbent for selective dye removal from multicomponent systems. <i>Microporous and Mesoporous Materials</i> , 2019, 273, 177-188. | 4.4 | 135 |
| 27 | Development of hydrophilic microporous PES ultrafiltration membrane containing CuO nanoparticles with improved antifouling and separation performance. <i>Materials Chemistry and Physics</i> , 2019, 222, 338-350. | 4.0 | 135 |
| 28 | Dye Removal, Energy Consumption and Operating Cost of Electrocoagulation of Textile Wastewater as a Clean Process. <i>Clean - Soil, Air, Water</i> , 2011, 39, 665-672. | 1.1 | 131 |
| 29 | Magnetic ferrite nanoparticle-alginate composite: Synthesis, characterization and binary system dye removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 322-330. | 5.3 | 131 |
| 30 | Novel magnetic amine functionalized carbon nanotube/metal-organic framework nanocomposites: From green ultrasound-assisted synthesis to detailed selective pollutant removal modelling from binary systems. <i>Journal of Hazardous Materials</i> , 2019, 368, 746-759. | 12.4 | 131 |
| 31 | Binary system dye removal by electrocoagulation from synthetic and real colored wastewaters. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 282-290. | 5.3 | 129 |
| 32 | Synthesis of nickel-zinc ferrite magnetic nanoparticle and dye degradation using photocatalytic ozonation. <i>Materials Research Bulletin</i> , 2012, 47, 4403-4408. | 5.2 | 128 |
| 33 | Activated carbon/metal-organic framework composite as a bio-based novel green adsorbent: Preparation and mathematical pollutant removal modeling. <i>Journal of Molecular Liquids</i> , 2019, 277, 310-322. | 4.9 | 128 |
| 34 | Dye adsorption and desorption properties of <i>Mentha pulegium</i> in single and binary systems. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1489-1499. | 2.6 | 126 |
| 35 | Electrochemical effect of cationic gemini surfactant and halide salts on corrosion inhibition of low carbon steel in acid medium. <i>Corrosion Science</i> , 2010, 52, 794-800. | 6.6 | 124 |
| 36 | Photocatalytic ozonation of dyes using copper ferrite nanoparticle prepared by co-precipitation method. <i>Desalination</i> , 2011, 279, 332-337. | 8.2 | 124 |

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|----|--|------|-----------|
| 37 | Tectomer grafted nanofiber: Synthesis, characterization and dye removal ability from multicomponent system. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 85-98. | 5.8 | 124 |
| 38 | Synthesis of magnetic carbon nanotube and photocatalytic dye degradation ability. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 5595-5604. | 2.7 | 123 |
| 39 | Preparation and adsorption behavior of diethylenetriamine/polyacrylonitrile composite nanofibers for a direct dye removal. <i>Fibers and Polymers</i> , 2015, 16, 1925-1934. | 2.1 | 123 |
| 40 | Mesoporous activated carbons of low-cost agricultural bio-wastes with high adsorption capacity: Preparation and artificial neural network modeling of dye removal from single and multicomponent (binary and ternary) systems. <i>Journal of Molecular Liquids</i> , 2018, 269, 217-228. | 4.9 | 123 |
| 41 | Dye removal and kinetics of adsorption by magnetic chitosan nanoparticles. <i>Desalination and Water Treatment</i> , 2016, 57, 24378-24386. | 1.0 | 122 |
| 42 | Numerical modelling and laboratory studies on the removal of Direct Red 23 and Direct Red 80 dyes from textile effluents using orange peel, a low-cost adsorbent. <i>Dyes and Pigments</i> , 2007, 73, 178-185. | 3.7 | 121 |
| 43 | Amine-functionalized silica nanoparticle: Preparation, characterization and anionic dye removal ability. <i>Desalination</i> , 2011, 279, 61-68. | 8.2 | 121 |
| 44 | Efficient dye removal from aqueous solution by high-performance electrospun nanofibrous membranes through incorporation of SiO ₂ nanoparticles. <i>Journal of Cleaner Production</i> , 2018, 183, 1197-1206. | 9.3 | 121 |
| 45 | Carbon nanotube based metal-organic framework nanocomposites: Synthesis and their photocatalytic activity for decolorization of colored wastewater. <i>Inorganica Chimica Acta</i> , 2019, 487, 169-176. | 2.4 | 120 |
| 46 | Surface modified montmorillonite with cationic surfactants: Preparation, characterization, and dye adsorption from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103243. | 6.7 | 119 |
| 47 | In situ deposition of Ag/AgCl on the surface of magnetic metal-organic framework nanocomposite and its application for the visible-light photocatalytic degradation of Rhodamine dye. <i>Journal of Hazardous Materials</i> , 2019, 378, 120741. | 12.4 | 119 |
| 48 | Textile Dye Removal from Single and Ternary Systems Using Date Stones: Kinetic, Isotherm, and Thermodynamic Studies. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 4638-4649. | 1.9 | 118 |
| 49 | Dendrimer- α -titania nanocomposite: synthesis and dye-removal capacity. <i>Research on Chemical Intermediates</i> , 2015, 41, 3743-3757. | 2.7 | 117 |
| 50 | Tuning Composition of Electrospun ZnO/CuO Nanofibers: Toward Controllable and Efficient Solar Photocatalytic Degradation of Organic Pollutants. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3327-3338. | 3.1 | 117 |
| 51 | The effect of amine functionalization of CuO and ZnO nanoparticles used as additives on the morphology and the permeation properties of polyethersulfone ultrafiltration nanocomposite membranes. <i>Composites Part B: Engineering</i> , 2018, 154, 388-409. | 12.0 | 117 |
| 52 | Zeolite nanoparticle as a superior adsorbent with high capacity: Synthesis, surface modification and pollutant adsorption ability from wastewater. <i>Microchemical Journal</i> , 2019, 145, 74-83. | 4.5 | 117 |
| 53 | Photocatalytic degradation of agricultural N-heterocyclic organic pollutants using immobilized nanoparticles of titania. <i>Journal of Hazardous Materials</i> , 2007, 145, 65-71. | 12.4 | 115 |
| 54 | Activated carbon/metal-organic framework nanocomposite: Preparation and photocatalytic dye degradation mathematical modeling from wastewater by least squares support vector machine. <i>Journal of Environmental Management</i> , 2019, 233, 660-672. | 7.8 | 115 |

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|----|--|------|-----------|
| 55 | Decolorization and aromatic ring degradation of colored textile wastewater using indirect electrochemical oxidation method. <i>Desalination</i> , 2009, 249, 1074-1078. | 8.2 | 112 |
| 56 | Surface modification of magnetic nanoparticle and dye removal from ternary systems. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 27, 251-259. | 5.8 | 112 |
| 57 | Synthesis of amine-modified zeolitic imidazolate framework-8, ultrasound-assisted dye removal and modeling. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 550-564. | 8.2 | 112 |
| 58 | Preparation and photocatalytic activity of immobilized composite photocatalyst (titania) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (r | 5.5 | 111 |
| 59 | Poly (amidoamine-co-acrylic acid) copolymer: Synthesis, characterization and dye removal ability. <i>Industrial Crops and Products</i> , 2013, 42, 119-125. | 5.2 | 110 |
| 60 | Zinc ferrite nanoparticle as a magnetic catalyst: Synthesis and dye degradation. <i>Materials Research Bulletin</i> , 2013, 48, 4255-4260. | 5.2 | 110 |
| 61 | Numerical finite volume modeling of dye decolorization using immobilized titania nanophotocatalysis. <i>Chemical Engineering Journal</i> , 2009, 146, 189-193. | 12.7 | 109 |
| 62 | Degradation of sericin (degumming) of Persian silk by ultrasound and enzymes as a cleaner and environmentally friendly process. <i>Journal of Cleaner Production</i> , 2010, 18, 146-151. | 9.3 | 108 |
| 63 | Synthesis of polyacrylonitrile/polyamidoamine composite nanofibers using electrospinning technique and their dye removal capacity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 49, 119-128. | 5.3 | 108 |
| 64 | Facile and green synthesis of metal-organic framework/inorganic nanofiber using electrospinning for recyclable visible-light photocatalysis. <i>Journal of Cleaner Production</i> , 2019, 222, 669-684. | 9.3 | 108 |
| 65 | Nanophotocatalysis using immobilized titanium dioxide nanoparticle. <i>Materials Research Bulletin</i> , 2007, 42, 797-806. | 5.2 | 107 |
| 66 | Equilibrium, Kinetics, and Thermodynamics of Dye Removal Using Alginate in Binary Systems. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 2802-2811. | 1.9 | 107 |
| 67 | Synthesis, amine functionalization and dye removal ability of titania/silica nano-hybrid. <i>Microporous and Mesoporous Materials</i> , 2012, 156, 153-160. | 4.4 | 106 |
| 68 | Immobilization of laccase enzyme onto titania nanoparticle and decolorization of dyes from single and binary systems. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 109-116. | 2.6 | 106 |
| 69 | Synthesis of core-shell magnetic adsorbent nanoparticle and selectivity analysis for binary system dye removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2050-2058. | 5.8 | 105 |
| 70 | Clay-based electrospun nanofibrous membranes for colored wastewater treatment. <i>Applied Clay Science</i> , 2019, 168, 77-86. | 5.2 | 105 |
| 71 | Modification of activated carbon by the alkaline treatment to remove the dyes from wastewater: mechanism, isotherm and kinetic. <i>Desalination and Water Treatment</i> , 2012, 47, 322-333. | 1.0 | 104 |
| 72 | Laccase immobilized manganese ferrite nanoparticle: Synthesis and LSSVM intelligent modeling of decolorization. <i>Water Research</i> , 2014, 67, 216-226. | 11.3 | 104 |

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|----|---|------|-----------|
| 73 | Degumming of Persian silk with mixed proteolytic enzymes. <i>Journal of Applied Polymer Science</i> , 2007, 106, 267-275. | 2.6 | 102 |
| 74 | Modeling and sensitivity analysis of dyes adsorption onto natural adsorbent from colored textile wastewater. <i>Journal of Applied Polymer Science</i> , 2008, 109, 4043-4048. | 2.6 | 102 |
| 75 | Preparation, characterization and dye adsorption properties of biocompatible composite (alginate/titania nanoparticle). <i>Desalination</i> , 2011, 275, 93-101. | 8.2 | 102 |
| 76 | Silk degumming using microwave irradiation as an environmentally friendly surface modification method. <i>Fibers and Polymers</i> , 2010, 11, 234-240. | 2.1 | 101 |
| 77 | Effect of nonionic co-surfactants on corrosion inhibition effect of cationic gemini surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 355, 183-186. | 4.7 | 101 |
| 78 | Kinetic, equilibrium and thermodynamic studies of ternary system dye removal using a biopolymer. <i>Industrial Crops and Products</i> , 2012, 35, 295-301. | 5.2 | 101 |
| 79 | Dendrimer functionalized nanoarchitecture: Synthesis and binary system dye removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2008-2020. | 5.3 | 101 |
| 80 | Photocatalytic degradation of triazinic ring-containing azo dye (Reactive Red 198) by using immobilized TiO ₂ photoreactor: Bench scale study. <i>Journal of Hazardous Materials</i> , 2006, 133, 113-118. | 12.4 | 100 |
| 81 | Single and Binary System Dye Removal from Colored Textile Wastewater by a Dendrimer as a Polymeric Nanoarchitecture: Equilibrium and Kinetics. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 4660-4668. | 1.9 | 100 |
| 82 | Photocatalytic Degradation of Dyes Using Carbon Nanotube and Titania Nanoparticle. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 2.4 | 100 |
| 83 | Nickel Ferrite Nanoparticle: Synthesis, Modification by Surfactant and Dye Removal Ability. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 2.4 | 100 |
| 84 | Environmentally friendly novel covalently immobilized enzyme bionanocomposite: From synthesis to the destruction of pollutant. <i>Composites Part B: Engineering</i> , 2020, 184, 107666. | 12.0 | 99 |
| 85 | Grafting of chitosan as a biopolymer onto wool fabric using anhydride bridge and its antibacterial property. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 397-403. | 5.0 | 98 |
| 86 | Binary system dye removal from colored textile wastewater using activated carbon: Kinetic and isotherm studies. <i>Desalination</i> , 2011, 272, 187-195. | 8.2 | 98 |
| 87 | Preparation of PVA-chitosan blend nanofiber and its dye removal ability from colored wastewater. <i>Fibers and Polymers</i> , 2015, 16, 1861-1869. | 2.1 | 98 |
| 88 | Manganese ferrite nanoparticle: Synthesis, characterization, and photocatalytic dye degradation ability. <i>Desalination and Water Treatment</i> , 2015, 53, 84-90. | 1.0 | 98 |
| 89 | Competitive removal of heavy metal ions from squid oil under isothermal condition by CR11 chelate ion exchanger. <i>Journal of Hazardous Materials</i> , 2017, 334, 256-266. | 12.4 | 98 |
| 90 | Decolorization and mineralization of textile dyes at solution bulk by heterogeneous nanophotocatalysis using immobilized nanoparticles of titanium dioxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 290, 125-131. | 4.7 | 97 |

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|-----|--|-----|-----------|
| 91 | Nanophotocatalysis using nanoparticles of titania. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 1-6. | 3.9 | 97 |
| 92 | Environmentally friendly surface modification of silk fiber: Chitosan grafting and dyeing. Applied Surface Science, 2009, 255, 4171-4176. | 6.1 | 97 |
| 93 | Novel biosorbent (Canola hull): Surface characterization and dye removal ability at different cationic dye concentrations. Desalination, 2010, 264, 134-142. | 8.2 | 97 |
| 94 | Synthesis of Amine-Functionalized Magnetic Ferrite Nanoparticle and Its Dye Removal Ability. Journal of Environmental Engineering, ASCE, 2013, 139, 1382-1390. | 1.4 | 97 |
| 95 | Photocatalytic ozonation of dyes using multiwalled carbon nanotube. Journal of Molecular Catalysis A, 2013, 366, 254-260. | 4.8 | 96 |
| 96 | The chain length influence of cationic surfactant and role of nonionic co-surfactants on controlling the corrosion rate of steel in acidic media. Corrosion Science, 2009, 51, 1817-1821. | 6.6 | 95 |
| 97 | Binary catalyst system dye degradation using photocatalysis. Fibers and Polymers, 2014, 15, 273-280. | 2.1 | 95 |
| 98 | Photodegradation of Dyes Using Multiwalled Carbon Nanotube and Ferrous Ion. Journal of Environmental Engineering, ASCE, 2013, 139, 1368-1374. | 1.4 | 92 |
| 99 | Synthesis of cationic polymeric adsorbent and dye removal isotherm, kinetic and thermodynamic. Journal of Industrial and Engineering Chemistry, 2014, 20, 2745-2753. | 5.8 | 92 |
| 100 | Bulk phase degradation of Acid Red 14 by nanophotocatalysis using immobilized titanium(IV) oxide nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 182, 60-66. | 3.9 | 90 |
| 101 | Direct dyes removal using modified magnetic ferrite nanoparticle. Journal of Environmental Health Science & Engineering, 2014, 12, 96. | 3.0 | 87 |
| 102 | Dye Removal from Colored Textile Wastewater by Poly(propylene imine) Dendrimer: Operational Parameters and Isotherm Studies. Clean - Soil, Air, Water, 2011, 39, 673-679. | 1.1 | 85 |
| 103 | Synthesis of nanoparticle and modelling of its photocatalytic dye degradation ability from colored wastewater. Journal of Environmental Chemical Engineering, 2017, 5, 3684-3689. | 6.7 | 82 |
| 104 | Adsorption of azo dyes by a novel bio-nanocomposite based on whey protein nanofibrils and nano-clay: Equilibrium isotherm and kinetic modeling. Journal of Colloid and Interface Science, 2021, 602, 490-503. | 9.4 | 74 |
| 105 | Synthesis, spectral properties and application of novel monoazo disperse dyes derived from N-ester-1,8-naphthalimide to polyester. Dyes and Pigments, 2008, 76, 684-689. | 3.7 | 73 |
| 106 | Cadmium selenide quantum dot-zinc oxide composite: Synthesis, characterization, dye removal ability with UV irradiation, and antibacterial activity as a safe and high-performance photocatalyst. Journal of Photochemistry and Photobiology B: Biology, 2018, 188, 19-27. | 3.8 | 69 |
| 107 | Synthesis of porous aminated PAN/PVDF composite nanofibers by electrospinning: Characterization and Direct Red 23 removal. Journal of Environmental Chemical Engineering, 2020, 8, 103876. | 6.7 | 66 |
| 108 | Graphene oxide nanosheet: preparation and dye removal from binary system colored wastewater. Desalination and Water Treatment, 2015, 56, 2382-2394. | 1.0 | 56 |

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|-----|---|------|-----------|
| 109 | Preparation of aminated nanoporous nanofiber by solvent casting/porogen leaching technique and dye adsorption modeling. Journal of the Taiwan Institute of Chemical Engineers, 2016, 65, 378-389. | 5.3 | 52 |
| 110 | Post-synthetic functionalization of the metal-organic framework: Clean synthesis, pollutant removal, and antibacterial activity. Journal of Environmental Chemical Engineering, 2021, 9, 104590. | 6.7 | 49 |
| 111 | Modified poly(vinyl alcohol)-triethylenetetramine nanofiber by glutaraldehyde: preparation and dye removal ability from wastewater. Desalination and Water Treatment, 2016, 57, 20076-20083. | 1.0 | 48 |
| 112 | Determination and analysis of CO ₂ capture kinetics and mechanisms on the novel graphene-based adsorbents. Journal of CO ₂ Utilization, 2017, 21, 17-29. | 6.8 | 46 |
| 113 | Metal-organic framework as a platform of the enzyme to prepare novel environmentally friendly nanobiocatalyst for degrading pollutant in water. Journal of Industrial and Engineering Chemistry, 2019, 80, 606-613. | 5.8 | 45 |
| 114 | Metal-organic framework (ZIF-8)/inorganic nanofiber (Fe ₂ O ₃) nanocomposite: Green synthesis and photocatalytic degradation using LED irradiation. Journal of Molecular Liquids, 2019, 291, 111333. | 4.9 | 44 |
| 115 | Preparation of surface functionalized graphene oxide nanosheet and its multicomponent dye removal ability from wastewater. Fibers and Polymers, 2015, 16, 1035-1047. | 2.1 | 43 |
| 116 | Kinetics and isotherm of cationic dye removal from multicomponent system using the synthesized silica nanoparticle. Desalination and Water Treatment, 2015, 54, 562-571. | 1.0 | 43 |
| 117 | Oxidation of dyes from colored wastewater using activated carbon/hydrogen peroxide. Desalination, 2011, 279, 183-189. | 8.2 | 42 |
| 118 | Dye adsorption from single and binary systems using NiO-MnO ₂ nanocomposite and artificial neural network modeling. Environmental Progress and Sustainable Energy, 2017, 36, 111-119. | 2.3 | 41 |
| 119 | Preparation of novel and highly active magnetic ternary structures (metal-organic framework/cobalt) degradation of organic contaminants. Journal of Colloid and Interface Science, 2021, 602, 73-94. | 9.4 | 39 |
| 120 | Development of room temperature synthesized and functionalized metal-organic framework/graphene oxide composite and pollutant adsorption ability. Materials Research Bulletin, 2021, 142, 111408. | 5.2 | 38 |
| 121 | Ultrasound-assisted green synthesis and application of recyclable nanoporous chromium-based metal-organic framework. Korean Journal of Chemical Engineering, 2019, 36, 287-298. | 2.7 | 37 |
| 122 | Decolorization and degradation of acid dye with immobilized titania nanoparticles. Chemical Engineering Research and Design, 2012, 90, 56-64. | 5.6 | 35 |
| 123 | Synthesis and characterization of PAMAM/SiO ₂ nanohybrid as a new promising adsorbent for pharmaceuticals. Microchemical Journal, 2019, 146, 1150-1159. | 4.5 | 34 |
| 124 | Synthesis, characterization and dye removal ability of high capacity polymeric adsorbent: Polyaminoimide homopolymer. Journal of Hazardous Materials, 2011, 198, 87-94. | 12.4 | 33 |
| 125 | Enhanced photodegradation of hazardous tartrazine by composite of nanomolecularly imprinted polymer-nanophotocatalyst with high efficiency. Desalination and Water Treatment, 2016, 57, 3142-3151. | 1.0 | 33 |
| 126 | Preparation of mesoporous polyvinyl alcohol/chitosan/silica composite nanofiber and dye removal from wastewater. Environmental Progress and Sustainable Energy, 2019, 38, S100. | 2.3 | 33 |

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|-----|---|-----|-----------|
| 127 | Preparation of surface modified zinc oxide nanoparticle with high capacity dye removal ability. <i>Materials Research Bulletin</i> , 2012, 47, 1800-1809. | 5.2 | 32 |
| 128 | A study of the DR23 dye photocatalytic degradation utilizing a magnetic hybrid nanocomposite of MIL-53(Fe)/CoFe ₂ O ₄ : Facile synthesis and kinetic investigations. <i>Journal of Molecular Liquids</i> , 2020, 301, 112427. | 4.9 | 32 |
| 129 | The effect of pH on the removal of anionic dyes from colored textile wastewater using a biosorbent. <i>Journal of Applied Polymer Science</i> , 2011, 120, 2996-3003. | 2.6 | 31 |
| 130 | Gemini polymeric nanoarchitecture as a novel adsorbent: Synthesis and dye removal from multicomponent system. <i>Journal of Colloid and Interface Science</i> , 2013, 400, 88-96. | 9.4 | 31 |
| 131 | Silica aerogel/polyacrylonitrile/polyvinylidene fluoride nanofiber and its ability for treatment of colored wastewater. <i>Journal of Molecular Structure</i> , 2021, 1227, 129418. | 3.6 | 31 |
| 132 | Immobilized titania nanophotocatalysis: Degradation, modeling and toxicity reduction of agricultural pollutants. <i>Journal of Alloys and Compounds</i> , 2010, 506, 155-159. | 5.5 | 29 |
| 133 | Equilibrium and kinetic studies of the cationic dye removal capability of a novel biosorbent <i>Tamarindus indica</i> from textile wastewater. <i>Coloration Technology</i> , 2010, 126, 261-268. | 1.5 | 28 |
| 134 | Synthesis of NENU metal-organic framework-graphene oxide nanocomposites and their pollutant removal ability from water using ultrasound. <i>Journal of Cleaner Production</i> , 2019, 211, 198-212. | 9.3 | 28 |
| 135 | Immobilized polyoxometalate onto the modified magnetic nanoparticle as a photocatalyst for dye degradation. <i>Materials Research Bulletin</i> , 2016, 84, 422-428. | 5.2 | 27 |
| 136 | Preparation of Modified Reduced Graphene Oxide nanosheet with Cationic Surfactant and its Dye Adsorption Ability from Colored Wastewater. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 1085-1093. | 2.1 | 27 |
| 137 | Treatment of colored textile wastewater containing acid dye using electrocoagulation process. <i>Desalination and Water Treatment</i> , 2013, 51, 5959-5964. | 1.0 | 26 |
| 138 | Adsorption of Malachite Green Dye onto Mesoporous Natural Inorganic Clays: Their Equilibrium Isotherm and Kinetics Studies. <i>Water (Switzerland)</i> , 2021, 13, 965. | 2.7 | 25 |
| 139 | Effectiveness of photochemical and sonochemical processes in degradation of Basic Violet 16 (BV16) dye from aqueous solutions. <i>Iranian Journal of Environmental Health Science & Engineering</i> , 2012, 9, 14. | 1.8 | 24 |
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