Niyaz Mohammad Mahmoodi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3999440/publications.pdf

Version: 2024-02-01

212 papers	16,039 citations	3515 90 h-index	19136 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. Chemical Engineering Journal, 2017, 326, 1145-1158.	6.6	494
2	Removal of dyes from colored textile wastewater by orange peel adsorbent: Equilibrium and kinetic studies. Journal of Colloid and Interface Science, 2005, 288, 371-376.	5.0	433
3	Equilibrium and kinetics studies for the adsorption of direct and acid dyes from aqueous solution by soy meal hull. Journal of Hazardous Materials, 2006, 135, 171-179.	6.5	361
4	Adsorption of textile dyes on Pine Cone from colored wastewater: Kinetic, equilibrium and thermodynamic studies. Desalination, 2011, 268, 117-125.	4.0	342
5	MIL-Ti metal-organic frameworks (MOFs) nanomaterials as superior adsorbents: Synthesis and ultrasound-aided dye adsorption from multicomponent wastewater systems. Journal of Hazardous Materials, 2018, 347, 123-140.	6.5	308
6	Degradation of a persistent organic dye from colored textile wastewater by ozonation. Desalination, 2010, 260, 34-38.	4.0	278
7	Novel biocompatible composite (Chitosanâ€“zinc oxide nanoparticle): Preparation, characterization and dye adsorption properties. Colloids and Surfaces B: Biointerfaces, 2010, 80, 86-93.	2.5	247
8	Kinetics of heterogeneous photocatalytic degradation of reactive dyes in an immobilized TiO2 photocatalytic reactor. Journal of Colloid and Interface Science, 2006, 295, 159-164.	5.0	221
9	Decolorization and aromatic ring degradation kinetics of Direct Red 80 by UV oxidation in the presence of hydrogen peroxide utilizing TiO2 as a photocatalyst. Chemical Engineering Journal, 2005, 112, 191-196.	6.6	209
10	Metal-organic framework (MIL-100 (Fe)): Synthesis, detailed photocatalytic dye degradation ability in colored textile wastewater and recycling. Materials Research Bulletin, 2018, 100, 357-366.	2.7	174
11	Synthesis of pearl necklace-like ZIF-8@chitosan/PVA nanofiber with synergistic effect for recycling aqueous dye removal. Carbohydrate Polymers, 2020, 227, 115364.	5.1	166
12	Dye removal from colored textile wastewater using acrylic grafted nanomembrane. Desalination, 2011, 267, 107-113.	4.0	161
13	Bio-based magnetic metal-organic framework nanocomposite: Ultrasound-assisted synthesis and pollutant (heavy metal and dye) removal from aqueous media. Applied Surface Science, 2019, 480, 288-299.	3.1	159
14	The sorption of cationic dyes onto kaolin: Kinetic, isotherm and thermodynamic studies. Desalination, 2011, 266, 274-280.	4.0	158
15	Preparation and characterization of a novel polyethersulfone (PES) ultrafiltration membrane modified with a CuO/ZnO nanocomposite to improve permeability and antifouling properties. Separation and Purification Technology, 2018, 192, 369-382.	3.9	157
16	Investigation on the adsorption capability of egg shell membrane towards model textile dyes. Chemosphere, 2006, 65, 1999-2008.	4.2	150
17	Chitosan-wrapped multiwalled carbon nanotube as filler within PEBA thin film nanocomposite (TFN) membrane to improve dye removal. Carbohydrate Polymers, 2020, 237, 116128.	5.1	150
18	Evaluation of the adsorption kinetics and equilibrium for the potential removal of acid dyes using a biosorbent. Chemical Engineering Journal, 2008, 139, 2-10.	6.6	149

#	Article	IF	Citations
19	Environmentally friendly ultrasound-assisted synthesis of magnetic zeolitic imidazolate framework - Graphene oxide nanocomposites and pollutant removal from water. Journal of Molecular Liquids, 2019, 282, 115-130.	2.3	147
20	Nanoporous metal-organic framework (MOF-199): Synthesis, characterization and photocatalytic degradation of Basic Blue 41. Microchemical Journal, 2019, 144, 436-442.	2.3	144
21	Efficient removal of cationic dyes from colored wastewaters by dithiocarbamate-functionalized graphene oxide nanosheets: From synthesis to detailed kinetics studies. Journal of the Taiwan Institute of Chemical Engineers, 2017, 81, 239-246.	2.7	143
22	Clean Laccase immobilized nanobiocatalysts (graphene oxide - zeolite nanocomposites): From production to detailed biocatalytic degradation of organic pollutant. Applied Catalysis B: Environmental, 2020, 268, 118443.	10.8	143
23	Covalently immobilized laccase onto graphene oxide nanosheets: Preparation, characterization, and biodegradation of azo dyes in colored wastewater. Journal of Molecular Liquids, 2019, 276, 153-162.	2.3	138
24	Degradation and toxicity reduction of textile wastewater using immobilized titania nanophotocatalysis. Journal of Photochemistry and Photobiology B: Biology, 2009, 94, 20-24.	1.7	137
25	Dye removal from colored textile wastewater using chitosan in binary systems. Desalination, 2011, 267, 64-72.	4.0	137
26	Synthesis of magnetic metal-organic framework nanocomposite (ZIF-8@SiO2@MnFe2O4) as a novel adsorbent for selective dye removal from multicomponent systems. Microporous and Mesoporous Materials, 2019, 273, 177-188.	2.2	135
27	Development of hydrophilic microporous PES ultrafiltration membrane containing CuO nanoparticles with improved antifouling and separation performance. Materials Chemistry and Physics, 2019, 222, 338-350.	2.0	135
28	Dye Removal, Energy Consumption and Operating Cost of Electrocoagulation of Textile Wastewater as a Clean Process. Clean - Soil, Air, Water, 2011, 39, 665-672.	0.7	131
29	Magnetic ferrite nanoparticleâ€“alginate composite: Synthesis, characterization and binary system dye removal. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 322-330.	2.7	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. Journal of Hazardous Materials, 2019, 368, 746-759.	6.5	131
31	Binary system dye removal by electrocoagulation from synthetic and real colored wastewaters. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 282-290.	2.7	129
32	Synthesis of nickelâ€“zinc ferrite magnetic nanoparticle and dye degradation using photocatalytic ozonation. Materials Research Bulletin, 2012, 47, 4403-4408.	2.7	128
33	Activated carbon/metal-organic framework composite as a bio-based novel green adsorbent: Preparation and mathematical pollutant removal modeling. Journal of Molecular Liquids, 2019, 277, 310-322.	2.3	128
34	Dye adsorption and desorption properties of Mentha pulegium in single and binary systems. Journal of Applied Polymer Science, 2011, 122, 1489-1499.	1.3	126
35	Electrochemical effect of cationic gemini surfactant and halide salts on corrosion inhibition of low carbon steel in acid medium. Corrosion Science, 2010, 52, 794-800.	3.0	124
36	Photocatalytic ozonation of dyes using copper ferrite nanoparticle prepared by co-precipitation method. Desalination, 2011, 279, 332-337.	4.0	124

#	Article	IF	Citations
37	Tectomer grafted nanofiber: Synthesis, characterization and dye removal ability from multicomponent system. Journal of Industrial and Engineering Chemistry, 2015, 32, 85-98.	2.9	124
38	Synthesis of magnetic carbon nanotube and photocatalytic dye degradation ability. Environmental Monitoring and Assessment, 2014, 186, 5595-5604.	1.3	123
39	Preparation and adsorption behavior of diethylenetriamine/polyacrylonitrile composite nanofibers for a direct dye removal. Fibers and Polymers, 2015, 16, 1925-1934.	1.1	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. Journal of Molecular Liquids, 2018, 269, 217-228.	2.3	123
41	Dye removal and kinetics of adsorption by magnetic chitosan nanoparticles. Desalination and Water Treatment, 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. Dyes and Pigments, 2007, 73, 178-185.	2.0	121
43	Amine-functionalized silica nanoparticle: Preparation, characterization and anionic dye removal ability. Desalination, 2011, 279, 61-68.	4.0	121
44	Efficient dye removal from aqueous solution by high-performance electrospun nanofibrous membranes through incorporation of SiO2 nanoparticles. Journal of Cleaner Production, 2018, 183, 1197-1206.	4.6	121
45	Carbon nanotube based metal-organic framework nanocomposites: Synthesis and their photocatalytic activity for decolorization of colored wastewater. Inorganica Chimica Acta, 2019, 487, 169-176.	1.2	120
46	Surface modified montmorillonite with cationic surfactants: Preparation, characterization, and dye adsorption from aqueous solution. Journal of Environmental Chemical Engineering, 2019, 7, 103243.	3.3	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. Journal of Hazardous Materials, 2019, 378, 120741.	6.5	119
48	Textile Dye Removal from Single and Ternary Systems Using Date Stones: Kinetic, Isotherm, and Thermodynamic Studies. Journal of Chemical & Engineering Data, 2010, 55, 4638-4649.	1.0	118
49	Dendrimerâ€“titania nanocomposite: synthesis and dye-removal capacity. Research on Chemical Intermediates, 2015, 41, 3743-3757.	1.3	117
50	Tuning Composition of Electrospun ZnO/CuO Nanofibers: Toward Controllable and Efficient Solar Photocatalytic Degradation of Organic Pollutants. Journal of Physical Chemistry C, 2017, 121, 3327-3338.	1.5	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. Composites Part B: Engineering, 2018, 154, 388-409.	5.9	117
52	Zeolite nanoparticle as a superior adsorbent with high capacity: Synthesis, surface modification and pollutant adsorption ability from wastewater. Microchemical Journal, 2019, 145, 74-83.	2.3	117
53	Photocatalytic degradation of agricultural N-heterocyclic organic pollutants using immobilized nanoparticles of titania. Journal of Hazardous Materials, 2007, 145, 65-71.	6.5	115
54	Activated carbon/metal-organic framework nanocomposite: Preparation and photocatalytic dye degradation mathematical modeling from wastewater by least squares support vector machine. Journal of Environmental Management, 2019, 233, 660-672.	3.8	115

#	Article	IF	Citations
55	Decolorization and aromatic ring degradation of colored textile wastewater using indirect electrochemical oxidation method. Desalination, 2009, 249, 1074-1078.	4.0	112
56	Surface modification of magnetic nanoparticle and dye removal from ternary systems. Journal of Industrial and Engineering Chemistry, 2015, 27, 251-259.	2.9	112
57	Synthesis of amine-modified zeolitic imidazolate framework-8, ultrasound-assisted dye removal and modeling. Ultrasonics Sonochemistry, 2017, 39, 550-564.	3.8	112
58	Preparation and photocatalytic activity of immobilized composite photocatalyst (titania) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (r	2.8	111
59	Poly (amidoamine-co-acrylic acid) copolymer: Synthesis, characterization and dye removal ability. Industrial Crops and Products, 2013, 42, 119-125.	2.5	110
60	Zinc ferrite nanoparticle as a magnetic catalyst: Synthesis and dye degradation. Materials Research Bulletin, 2013, 48, 4255-4260.	2.7	110
61	Numerical finite volume modeling of dye decolorization using immobilized titania nanophotocatalysis. Chemical Engineering Journal, 2009, 146, 189-193.	6.6	109
62	Degradation of sericin (degumming) of Persian silk by ultrasound and enzymes as a cleaner and environmentally friendly process. Journal of Cleaner Production, 2010, 18, 146-151.	4.6	108
63	Synthesis of polyacrylonitrile/polyamidoamine composite nanofibers using electrospinning technique and their dye removal capacity. Journal of the Taiwan Institute of Chemical Engineers, 2015, 49, 119-128.	2.7	108
64	Facile and green synthesis of metal-organic framework/inorganic nanofiber using electrospinning for recyclable visible-light photocatalysis. Journal of Cleaner Production, 2019, 222, 669-684.	4.6	108
65	Nanophotocatalysis using immobilized titanium dioxide nanoparticle. Materials Research Bulletin, 2007, 42, 797-806.	2.7	107
66	Equilibrium, Kinetics, and Thermodynamics of Dye Removal Using Alginate in Binary Systems. Journal of Chemical & Engineering Data, 2011, 56, 2802-2811.	1.0	107
67	Synthesis, amine functionalization and dye removal ability of titania/silica nano-hybrid. Microporous and Mesoporous Materials, 2012, 156, 153-160.	2.2	106
68	Immobilization of laccase enzyme onto titania nanoparticle and decolorization of dyes from single and binary systems. Biotechnology and Bioprocess Engineering, 2015, 20, 109-116.	1.4	106
69	Synthesis of coreâ€“shell magnetic adsorbent nanoparticle and selectivity analysis for binary system dye removal. Journal of Industrial and Engineering Chemistry, 2014, 20, 2050-2058.	2.9	105
70	Clay-based electrospun nanofibrous membranes for colored wastewater treatment. Applied Clay Science, 2019, 168, 77-86.	2.6	105
71	Modification of activated carbon by the alkaline treatment to remove the dyes from wastewater: mechanism, isotherm and kinetic. Desalination and Water Treatment, 2012, 47, 322-333.	1.0	104
72	Laccase immobilized manganese ferrite nanoparticle: Synthesis and LSSVM intelligent modeling of decolorization. Water Research, 2014, 67, 216-226.	5.3	104

#	Article	IF	Citations
73	Degumming of Persian silk with mixed proteolytic enzymes. Journal of Applied Polymer Science, 2007, 106, 267-275.	1.3	102
74	Modeling and sensitivity analysis of dyes adsorption onto natural adsorbent from colored textile wastewater. Journal of Applied Polymer Science, 2008, 109, 4043-4048.	1.3	102
75	Preparation, characterization and dye adsorption properties of biocompatible composite (alginate/titania nanoparticle). Desalination, 2011, 275, 93-101.	4.0	102
76	Silk degumming using microwave irradiation as an environmentally friendly surface modification method. Fibers and Polymers, 2010, 11, 234-240.	1.1	101
77	Effect of nonionic co-surfactants on corrosion inhibition effect of cationic gemini surfactant. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 355, 183-186.	2.3	101
78	Kinetic, equilibrium and thermodynamic studies of ternary system dye removal using a biopolymer. Industrial Crops and Products, 2012, 35, 295-301.	2.5	101
79	Dendrimer functionalized nanoarchitecture: Synthesis and binary system dye removal. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 2008-2020.	2.7	101
80	Photocatalytic degradation of triazinic ring-containing azo dye (Reactive Red 198) by using immobilized TiO2 photoreactor: Bench scale study. Journal of Hazardous Materials, 2006, 133, 113-118.	6.5	100
81	Single and Binary System Dye Removal from Colored Textile Wastewater by a Dendrimer as a Polymeric Nanoarchitecture: Equilibrium and Kinetics. Journal of Chemical & Engineering Data, 2010, 55, 4660-4668.	1.0	100
82	Photocatalytic Degradation of Dyes Using Carbon Nanotube and Titania Nanoparticle. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	100
83	Nickel Ferrite Nanoparticle: Synthesis, Modification by Surfactant and Dye Removal Ability. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	100
84	Environmentally friendly novel covalently immobilized enzyme bionanocomposite: From synthesis to the destruction of pollutant. Composites Part B: Engineering, 2020, 184, 107666.	5.9	99
85	Grafting of chitosan as a biopolymer onto wool fabric using anhydride bridge and its antibacterial property. Colloids and Surfaces B: Biointerfaces, 2010, 76, 397-403.	2.5	98
86	Binary system dye removal from colored textile wastewater using activated carbon: Kinetic and isotherm studies. Desalination, 2011, 272, 187-195.	4.0	98
87	Preparation of PVA-chitosan blend nanofiber and its dye removal ability from colored wastewater. Fibers and Polymers, 2015, 16, 1861-1869.	1.1	98
88	Manganese ferrite nanoparticle: Synthesis, characterization, and photocatalytic dye degradation ability. Desalination and Water Treatment, 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. Journal of Hazardous Materials, 2017, 334, 256-266.	6.5	98
90	Decolorization and mineralization of textile dyes at solution bulk by heterogeneous nanophotocatalysis using immobilized nanoparticles of titanium dioxide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 290, 125-131.	2.3	97

#	Article	IF	Citations
91	Nanophotocatalysis using nanoparticles of titania. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 1-6.	2.0	97
92	Environmentally friendly surface modification of silk fiber: Chitosan grafting and dyeing. Applied Surface Science, 2009, 255, 4171-4176.	3.1	97
93	Novel biosorbent (Canola hull): Surface characterization and dye removal ability at different cationic dye concentrations. Desalination, 2010, 264, 134-142.	4.0	97
94	Synthesis of Amine-Functionalized Magnetic Ferrite Nanoparticle and Its Dye Removal Ability. Journal of Environmental Engineering, ASCE, 2013, 139, 1382-1390.	0.7	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.	3.0	95
97	Binary catalyst system dye degradation using photocatalysis. Fibers and Polymers, 2014, 15, 273-280.	1.1	95
98	Photodegradation of Dyes Using Multiwalled Carbon Nanotube and Ferrous Ion. Journal of Environmental Engineering, ASCE, 2013, 139, 1368-1374.	0.7	92
99	Synthesis of cationic polymeric adsorbent and dye removal isotherm, kinetic and thermodynamic. Journal of Industrial and Engineering Chemistry, 2014, 20, 2745-2753.	2.9	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.	2.0	90
101	Direct dyes removal using modified magnetic ferrite nanoparticle. Journal of Environmental Health Science & Engineering, 2014, 12, 96.	1.4	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.	0.7	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.	3.3	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.	5.0	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.	2.0	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.	1.7	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.	3.3	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

#	Article	IF	Citations
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.	2.7	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.	3.3	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 CO2 capture kinetics and mechanisms on the novel graphene-based adsorbents. Journal of CO2 Utilization, 2017, 21, 17-29.	3.3	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.	2.9	45
114	Metal-organic framework (ZIF-8)/inorganic nanofiber (Fe2O3) nanocomposite: Green synthesis and photocatalytic degradation using LED irradiation. Journal of Molecular Liquids, 2019, 291, 111333.	2.3	44
115	Preparation of surface functionalized graphene oxide nanosheet and its multicomponent dye removal ability from wastewater. Fibers and Polymers, 2015, 16, 1035-1047.	1.1	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.	4.0	42
118	Dye adsorption from single and binary systems using NiOâ€MnO₂ nanocomposite and artificial neural network modeling. Environmental Progress and Sustainable Energy, 2017, 36, 111-119.	1.3	41
119	Preparation of novel and highly active magnetic ternary structures (metal-organic framework/cobalt) Tj ETQq1 1 0.784314 rgBT /Over degradation of organic contaminants. Journal of Colloid and Interface Science, 2021, 602, 73-94.	5.0	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.	2.7	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.	1.2	37
122	Decolorization and degradation of acid dye with immobilized titania nanoparticles. Chemical Engineering Research and Design, 2012, 90, 56-64.	2.7	35
123	Synthesis and characterization of PAMAM/SiO2 nanohybrid as a new promising adsorbent for pharmaceuticals. Microchemical Journal, 2019, 146, 1150-1159.	2.3	34
124	Synthesis, characterization and dye removal ability of high capacity polymeric adsorbent: Polyaminoimide homopolymer. Journal of Hazardous Materials, 2011, 198, 87-94.	6.5	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.	1.3	33

#	Article	IF	Citations
127	Preparation of surface modified zinc oxide nanoparticle with high capacity dye removal ability. Materials Research Bulletin, 2012, 47, 1800-1809.	2.7	32
128	A study of the DR23 dye photocatalytic degradation utilizing a magnetic hybrid nanocomposite of MIL-53(Fe)/CoFe2O4: Facile synthesis and kinetic investigations. Journal of Molecular Liquids, 2020, 301, 112427.	2.3	32
129	The effect of pH on the removal of anionic dyes from colored textile wastewater using a biosorbent. Journal of Applied Polymer Science, 2011, 120, 2996-3003.	1.3	31
130	Gemini polymeric nanoarchitecture as a novel adsorbent: Synthesis and dye removal from multicomponent system. Journal of Colloid and Interface Science, 2013, 400, 88-96.	5.0	31
131	Silica aerogel/polyacrylonitrile/polyvinylidene fluoride nanofiber and its ability for treatment of colored wastewater. Journal of Molecular Structure, 2021, 1227, 129418.	1.8	31
132	Immobilized titania nanophotocatalysis: Degradation, modeling and toxicity reduction of agricultural pollutants. Journal of Alloys and Compounds, 2010, 506, 155-159.	2.8	29
133	Equilibrium and kinetic studies of the cationic dye removal capability of a novel biosorbent Tamarindus indica from textile wastewater. Coloration Technology, 2010, 126, 261-268.	0.7	28
134	Synthesis of NENU metal-organic framework-graphene oxide nanocomposites and their pollutant removal ability from water using ultrasound. Journal of Cleaner Production, 2019, 211, 198-212.	4.6	28
135	Immobilized polyoxometalate onto the modified magnetic nanoparticle as a photocatalyst for dye degradation. Materials Research Bulletin, 2016, 84, 422-428.	2.7	27
136	Preparation of Modified Reduced Graphene Oxide nanosheet with Cationic Surfactant and its Dye Adsorption Ability from Colored Wastewater. Journal of Surfactants and Detergents, 2017, 20, 1085-1093.	1.0	27
137	Treatment of colored textile wastewater containing acid dye using electrocoagulation process. Desalination and Water Treatment, 2013, 51, 5959-5964.	1.0	26
138	Adsorption of Malachite Green Dye onto Mesoporous Natural Inorganic Clays: Their Equilibrium Isotherm and Kinetics Studies. Water (Switzerland), 2021, 13, 965.	1.2	25
139	Effectiveness of photochemical and sonochemical processes in degradation of Basic Violet 16 (BV16) dye from aqueous solutions. Iranian Journal of Environmental Health Science & Engineering, 2012, 9, 14.	1.8	24
140	Superparamagnetic enzyme-graphene oxide magnetic nanocomposite as an environmentally friendly biocatalyst: Synthesis and biodegradation of dye using response surface methodology. Microchemical Journal, 2019, 145, 547-558.	2.3	24
141	Isotherm, Kinetic, and Thermodynamic of Cationic Dye Removal from Binary System by Feldspar. Separation Science and Technology, 2012, 47, 1660-1672.	1.3	22
142	Copper oxide-carbon nanotube (CuO/CNT) nanocomposite: Synthesis and photocatalytic dye degradation from colored textile wastewater. Fibers and Polymers, 2016, 17, 1842-1848.	1.1	22
143	Composite of MOF and chitin as an efficient catalyst for photodegradation of organic dyes. International Journal of Biological Macromolecules, 2021, 182, 524-533.	3.6	22
144	Soy meal hull activated carbon: preparation, characterization and dye adsorption properties. Desalination and Water Treatment, 2012, 44, 237-244.	1.0	21

#	Article	IF	Citations
145	Functionalized copper oxideâ€“zinc oxide nanocomposite: synthesis and genetic programming model of dye adsorption. Desalination and Water Treatment, 2016, 57, 18755-18769.	1.0	21
146	Graphene based ZnO nanoparticles to depolymerize lignin-rich residues via UV/iodide process. Environment International, 2019, 125, 172-183.	4.8	21
147	Laboratory studies and CFD modeling of photocatalytic degradation of colored textile wastewater by titania nanoparticles. Desalination and Water Treatment, 2009, 1, 312-317.	1.0	20
148	Zeolitic imidazolate framework-polyvinylpyrrolidone-polyethersulfone composites membranes: From synthesis to the detailed pollutant removal from wastewater using cross flow system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 572, 211-220.	2.3	20
149	Enhanced photocatalytic activity by synergic action of ZIF-8 and NiFe2O4 under visible light irradiation. Journal of Molecular Structure, 2021, 1223, 129028.	1.8	20
150	Synthesis of porous adsorbent using microwave assisted combustion method and dye removal. Journal of Alloys and Compounds, 2014, 602, 210-220.	2.8	19
151	Halogen lamp activated nanocomposites as nanoporous photocatalysts: Synthesis, characterization, and pollutant degradation mechanism. Journal of Molecular Liquids, 2019, 281, 389-400.	2.3	19
152	Green synthesis of reduced graphene oxide-CoFe2O4 nanocomposite as a highly efficient visible-light-driven catalyst in photocatalysis and photo Fenton-like reaction. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 270, 115223.	1.7	19
153	Assessment of competitive dye removal using a reliable method. Journal of Environmental Chemical Engineering, 2014, 2, 1672-1683.	3.3	18
154	Preparation of electrospun affinity membrane and cross flow system for dynamic removal of anionic dye from colored wastewater. Fibers and Polymers, 2017, 18, 2387-2399.	1.1	18
155	Synthesis of porous metal-organic framework composite adsorbents and pollutant removal from multicomponent systems. Materials Chemistry and Physics, 2020, 243, 122572.	2.0	18
156	Decolorization of dyes using immobilized laccase enzyme on zinc ferrite nanoparticle from single and binary systems. Fibers and Polymers, 2014, 15, 2139-2145.	1.1	17
157	Modification of carbon nanotubes with cationic surfactant and its application for removal of direct dyes. Desalination and Water Treatment, 2014, 52, 4356-4368.	1.0	17
158	Synthesis and evaluation of a series of novel monoazo disperse dyes derived from N-carboxylic acid-1,8-naphthalimide on poly(ethylene terphthalate). Fibers and Polymers, 2009, 10, 446-451.	1.1	16
159	Synthesis, characterization, and application of nano-molecularly imprinted polymer for fast solid-phase extraction of tartrazine from water environment. Desalination and Water Treatment, 2015, 54, 2452-2460.	1.0	16
160	Cadmium selenide quantum dots: synthesis, characterization, and dye removal ability with UV irradiation. Desalination and Water Treatment, 2016, 57, 16552-16558.	1.0	16
161	One-pot synthesis of a reduced graphene oxideâ€“ZnO nanorod composite and dye decolorization modeling. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 439-451.	2.7	16
162	Purification of water containing agricultural organophosphorus pollutant using titania nanophotocatalysis: Laboratory studies and numerical modeling. Desalination, 2008, 230, 183-192.	4.0	15

#	Article	IF	Citations
163	Graphitic carbon nitride nanosheet/metal-organic framework heterostructure: Synthesis and pollutant degradation using visible light. Materials Chemistry and Physics, 2021, 269, 124726.	2.0	15
164	Novel hydrolysable azo disperse dyes based on Nâ€esterâ€1,8â€naphthalimide: dyeing of polyesterâ€“cotton blends. Coloration Technology, 2008, 124, 295-300.	0.7	14
165	Dye removal using polymeric adsorbent from wastewater containing mixture of two dyes. Fibers and Polymers, 2014, 15, 1656-1668.	1.1	14
166	Synthesis of the modified nanofiber as a nanoadsorbent and its dye removal ability from water: isotherm, kinetic and thermodynamic. Water Science and Technology, 2017, 75, 2475-2487.	1.2	14
167	Surfactantâ€modified feldspar: Isotherm, kinetic, and thermodynamic of binary system dye removal. Journal of Applied Polymer Science, 2012, 126, 340-349.	1.3	13
168	Synthesis of CuOâ€“NiO nanocomposite and dye adsorption modeling using artificial neural network. Desalination and Water Treatment, 2016, 57, 17220-17229.	1.0	13
169	Dye removal using modified copper ferrite nanoparticle and RSM analysis. Environmental Monitoring and Assessment, 2013, 185, 10235-10248.	1.3	12
170	Synthesis and Characterization of Novel Monoazo Naphthalimide Disperse Dyes Containing Carboxylic Acid Group with High Heat Fastness Properties. Journal of the Chinese Chemical Society, 2008, 55, 1300-1307.	0.8	11
171	Ethylenediamine/glutaraldehyde-modified starch: A bioplatform for removal of anionic dyes from wastewater. Korean Journal of Chemical Engineering, 2019, 36, 1421-1431.	1.2	11
172	Synthesis of iron based-metal-organic framework nanocomposite and visible light pollutant degradation ability. Materials Research Bulletin, 2021, 138, 111243.	2.7	11
173	Effect of preparation parameters on properties of metakaolin-based geopolymer activated by silica fume- sodium hydroxide alkaline blend. Journal of Building Engineering, 2022, 60, 104984.	1.6	11
174	Primaryâ€“secondary amino silica nanoparticle: synthesis and dye removal from binary system. Desalination and Water Treatment, 2014, 52, 7784-7796.	1.0	10
175	Extended isotherm and kinetics of binary system dye removal using carbon nanotube from wastewater. Desalination and Water Treatment, 2015, 54, 2777-2793.	1.0	10
176	Synthesis of nanostructured adsorbent and dye adsorption modeling by an intelligent model for multicomponent systems. Korean Journal of Chemical Engineering, 2016, 33, 902-913.	1.2	10
177	Graphene quantum dot incorporation in the zeolitic imidazolate framework with sodalite (SOD) topology: Synthesis and improving the adsorption ability in liquid phase. Journal of Environmental Chemical Engineering, 2021, 9, 106303.	3.3	10
178	Synthesis and Characterization of Novel Monoazo Nâ€Esterâ€1,8â€Naphthalimide Disperse Dyestuffs. Journal of the Chinese Chemical Society, 2007, 54, 1021-1028.	0.8	9
179	Nanostructured adsorbent (MnO₂): Synthesis and least square support vector machine modeling of dye removal. Desalination and Water Treatment, 2016, 57, 21524-21533.	1.0	9
180	Photophysical properties of novel functionalized fluorescent dyes based on diketopyrrolopyrrole and application in inkjet printing ink. Journal of Luminescence, 2018, 199, 499-508.	1.5	9

#	Article	IF	Citations
181	Synthesis of visible light activated metal-organic framework coated on titania nanocomposite (MIL-53(Al)@TiO2) and dye photodegradation. Journal of Solid State Chemistry, 2022, 307, 122747.	1.4	9
182	Surface modification and ternary system dye removal ability of manganese ferrite nanoparticle. Fibers and Polymers, 2014, 15, 1616-1626.	1.1	8
183	Decolorization of dyes using laccase enzyme from single and binary systems. Desalination and Water Treatment, 2014, 52, 1895-1902.	1.0	8
184	Synthesis of the metal-organic framework â€“ Copper oxide nanocomposite and LED visible light organic contaminants (dye and pharmaceutical) destruction ability in the water. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115495.	1.7	8
185	Solubilisation kinetics of some monoazo naphthalimide disperse dyes containing butyric acid and investigation of fastness properties of the dyes on polyester. Coloration Technology, 2010, 126, 37-41.	0.7	7
186	Clean synthesis of rock candy-like metalâ€“organic framework biocomposite for toxic contaminants remediation. Environmental Technology and Innovation, 2021, 23, 101747.	3.0	7
187	Degradation of dyes using combined photo-Fenton/activated carbon: synergistic effect. Desalination and Water Treatment, 2014, 52, 5007-5014.	1.0	6
188	Cationic Dye Removal Ability from Multicomponent System by Magnetic Carbon Nanotubes. Journal of Solution Chemistry, 2015, 44, 1568-1583.	0.6	6
189	Grafting of polyamidoamine dendrimer on polyacrylonitrile nanofiber surface: synthesis and optimization of anionic dye removal process by response surface methodology method. , 0, 147, 343-361.		6
190	Amine functionalized magnetic carbon nanotube: synthesis and binary system dye removal. Desalination and Water Treatment, 2015, 56, 107-120.	1.0	5
191	Bi-amino surface functionalized polyoxometalate nanocomposite as an environmentally friendly catalyst: synthesis and dye degradation. Water Science and Technology, 2017, 75, 2381-2389.	1.2	5
192	Synthesis of copper oxide nanoparticle and photocatalytic dye degradation study using response surface methodology (RSM) and genetic algorithm (GA). , 0, 72, 394-405.		5
193	Activated carbon (AC)-metal-organic framework (MOF) composite: Synthesis, characterization and dye removal. Korean Journal of Chemical Engineering, 2022, 39, 2394-2404.	1.2	5
194	Effect of Chain Length Compatibility between Surfactants and Co-Surfactants on Corrosion Inhibition of Steel. ECS Transactions, 2011, 35, 1-10.	0.3	4
195	Inhibition Efficiency of Alkaline Metal Salts on Carbon Steel Corrosion in Acidic Media. ECS Transactions, 2011, 35, 11-20.	0.3	4
196	Removal of anionic dyes from aqueous solution by modified alginate. Desalination and Water Treatment, 2013, 51, 2253-2260.	1.0	4
197	Synthesis of urethane polycarboxylate as a novel adsorbent and its binary system dye removal ability from aqueous solution. Fibers and Polymers, 2014, 15, 446-456.	1.1	4
198	Dye removal from wastewater by the crossâ€linked blend nanofiber and homogenous surface diffusion modeling. Environmental Progress and Sustainable Energy, 2017, 36, 1634-1642.	1.3	4

#	Article	IF	Citations
199	Electrochemical Effect of Cationic Gemini Surfactant and Halide Salts on Corrosion Inhibition of Low Carbon Steel in Acid Medium. ECS Transactions, 2011, 33, 1-16.	0.3	3
200	Comparing Chain Length Effect of Single Chain and Gemini Surfactants on Corrosion Inhibition of Steel in Acid. ECS Transactions, 2011, 35, 89-101.	0.3	3
201	Synthesis and characterization of the functionalized nanoparticle and dye removal modeling. Desalination and Water Treatment, 2016, 57, 24035-24046.	1.0	3
202	Synthesis of Ni-Co-CNT nanocomposite and evaluation of its photocatalytic dye (Reactive Red 120) degradation ability using response surface methodology. , 0, 216, 389-400.		3
203	Synthesis of urethane sodium carboxylate and its dye removal ability from single system. Journal of Industrial and Engineering Chemistry, 2014, 20, 1558-1565.	2.9	2
204	Synthesis of nanoadsorbent and modeling of dye removal from wastewater by adaptive neuro-fuzzy inference system. , 0, 75, 245-252.		2
205	Synthesis of PVDF nanocomposite surface-modified membrane containing ZnO:Ca for dye removal from colored wastewaters in a fixed-bed photocatalytic membrane reactor. , 0, 138, 36-48.		2
206	Visible-Light-Driven Reduced Graphite Oxide as a Metal-Free Catalyst for Degradation of Colored Wastewater. Nanomaterials, 2022, 12, 374.	1.9	2
207	Novel heterojunction magnetic composite MIL-53 (Fe)/ZnFe2O4: Synthesis and photocatalytic pollutant degradation. Korean Journal of Chemical Engineering, 2022, 39, 2713-2724.	1.2	2
208	Zeolitic imidazole framework (ZIF) â€“ zinc oxide nanocomposite: synthesis and ultrasound-assisted pollutant removal from the binary system. , 0, 210, 240-249.		1
209	Bi-amino surface functionalized nanoparticles: synthesis and binary system dye removal from wastewater containing anionic dyes. , 0, 70, 347-354.		1
210	Electrochemical effect of Gemini Surfactant and Co-Surfactants on Corrosion Inhibition of Steel in Acid Medium. ECS Transactions, 2010, 33, 67-75.	0.3	0
211	Synergistic Effect of Different Salts on the Inhibition Efficiency of a Cationic Surfactant on Steel Corrosion in Acid Medium. ECS Transactions, 2010, 28, 1-11.	0.3	0
212	SYNTHESIS OF ALGINATE AMIDE COMPOSITE USING MICROWAVE AND ITS DYE REMOVAL ABILITY. Environmental Engineering and Management Journal, 2017, 16, 1859-1866.	0.2	0