

Adsorption isotherm, kinetic and mechanism studies of activated carbon fibers

Chemical Engineering Journal

157, 348-356

DOI: [10.1016/j.cej.2009.11.013](https://doi.org/10.1016/j.cej.2009.11.013)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Modelling the Adsorption of <i>p</i> -Nitrophenol by the Boyd Method in Conjunction with the Finite Element Method. <i>Adsorption Science and Technology</i> , 2010, 28, 671-687.	1.5	4
2	Removal of phenols from the aqueous solutions based on their electrochemical polymerization on the polyaniline electrode. <i>Electrochimica Acta</i> , 2010, 55, 7219-7224.	2.6	22
3	Superior adsorption capacity of mesoporous carbon nitride with basic CN framework for phenol. <i>Journal of Materials Chemistry</i> , 2010, 20, 10801.	6.7	125
4	Design, Preparation, and Characterization of a Novel Hyper-Cross-Linked Polyphosphamide Polymer and Its Adsorption for Phenol. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 11614-11619.	1.8	10
5	Effect of oxygen surface groups on adsorption of benzene derivatives from aqueous solutions onto active carbon samples. <i>Applied Surface Science</i> , 2011, 257, 9466-9472.	3.1	52
6	Synthesis and characterization of bisphenol-A imprinted polymer as a selective recognition receptor. <i>Analytica Chimica Acta</i> , 2011, 706, 275-284.	2.6	40
7	High performance adsorbents based on hierarchically porous silica for purifying multicomponent wastewater. <i>Journal of Materials Chemistry</i> , 2011, 21, 15567.	6.7	78
8	Performance of rattle-type magnetic mesoporous silica spheres in the adsorption of single and binary antibiotics. <i>Chemical Engineering Journal</i> , 2011, 174, 221-230.	6.6	48
9	Adsorptive Removal of 2,6-Dichlorophenol from Aqueous Solution by Surfactant-Modified Palygorskite Sorbents: Equilibrium, Kinetics and Thermodynamics. <i>Adsorption Science and Technology</i> , 2011, 29, 185-196.	1.5	4
10	Adsorption characteristics of haloacetonitriles on functionalized silica-based porous materials in aqueous solution. <i>Journal of Hazardous Materials</i> , 2011, 192, 1210-1218.	6.5	27
11	Adsorption of tannic acid from aqueous solution onto surfactant-modified zeolite. <i>Journal of Hazardous Materials</i> , 2011, 193, 102-111.	6.5	101
12	Synthesis of novel inorganic-organic hybrid materials for simultaneous adsorption of metal ions and organic molecules in aqueous solution. <i>Journal of Hazardous Materials</i> , 2011, 198, 247-256.	6.5	43
13	Adsorption of phenol from water by N-butylimidazolium functionalized strongly basic anion exchange resin. <i>Journal of Colloid and Interface Science</i> , 2011, 364, 462-468.	5.0	62
14	Preparation of high adsorption capacity bio-chars from waste biomass. <i>Bioresource Technology</i> , 2011, 102, 8247-8252.	4.8	239
15	Phenol removal from aqueous solution by activated carbon produced from avocado kernel seeds. <i>Chemical Engineering Journal</i> , 2011, 174, 49-57.	6.6	140
16	Ultrasonic-assisted sodium hypochlorite oxidation of activated carbons for enhanced removal of Co(II) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2011, 175, 24-32.	6.6	53
17	Using cocoa (<i>Theobroma cacao</i>) shell-based activated carbon to remove 4-nitrophenol from aqueous solution: Kinetics and equilibrium studies. <i>Chemical Engineering Journal</i> , 2011, 178, 461-467.	6.6	62
18	Kinetics and equilibrium adsorption studies of dimethylamine (DMA) onto ion-exchange resin. <i>Journal of Hazardous Materials</i> , 2011, 185, 677-681.	6.5	33

#	ARTICLE	IF	CITATIONS
19	Preparation of novel nano-adsorbent based on organic-inorganic hybrid and their adsorption for heavy metals and organic pollutants presented in water environment. <i>Journal of Hazardous Materials</i> , 2011, 186, 1672-1680.	6.5	102
20	Selective recognition of 4-nitrophenol from aqueous solution by molecularly imprinted polymers with functionalized tetratitanate whisker composites as support. <i>Journal of Separation Science</i> , 2011, 34, 1244-1252.	1.3	17
21	Preparation of molecularly imprinted polymer by surface imprinting technique and its performance for adsorption of dibenzothiophene. <i>Journal of Separation Science</i> , 2011, 34, 1746-1753.	1.3	34
22	Selective recognition of sesamol using molecularly imprinted polymers containing magnetic wollastonite. <i>Journal of Separation Science</i> , 2011, 34, 3287-3294.	1.3	8
23	Ammonia-modified activated carbon for the adsorption of 2,4-dichlorophenol. <i>Chemical Engineering Journal</i> , 2011, 169, 180-185.	6.6	138
24	Recovery, concentration and purification of phenolic compounds by adsorption: A review. <i>Journal of Food Engineering</i> , 2011, 105, 1-27.	2.7	391
25	Modeling studies on simultaneous adsorption of phenol and resorcinol onto granular activated carbon from simulated aqueous solution. <i>Journal of Hazardous Materials</i> , 2011, 185, 287-294.	6.5	93
26	QSAR Models to Predict Effect of Concentration on the Adsorption of Phenolic Compounds onto XAD-4 and ZH-01. <i>Advanced Materials Research</i> , 2011, 356-360, 340-344.	0.3	0
27	Adsorption of Malachite Green on Heishan Coal-Based Activated Carbon. <i>Advanced Materials Research</i> , 0, 396-398, 2384-2387.	0.3	2
28	Adsorption of Mercury Ion on Activated Carbons from Rice Husk. <i>Applied Mechanics and Materials</i> , 0, 161, 162-166.	0.2	1
29	Phenol removal from aqueous solution by carbon xerogel. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 202-210.	1.1	30
30	Removal of phenol from aqueous solution using carbonized <i>Terminalia chebula</i> -activated carbon: process parametric optimization using conventional method and Taguchi's experimental design, adsorption kinetic, equilibrium and thermodynamic study. <i>Applied Water Science</i> , 2012, 2, 317-326.	2.8	34
31	Modified oil palm leaves adsorbent with enhanced hydrophobicity for crude oil removal. <i>Chemical Engineering Journal</i> , 2012, 203, 9-18.	6.6	172
32	Synthesis of Li-Al Layered Double Hydroxides (LDHs) for Efficient Fluoride Removal. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 11490-11498.	1.8	116
33	Effect of chlorine content of chlorophenols on their adsorption by mesoporous SBA-15. <i>Journal of Environmental Sciences</i> , 2012, 24, 1411-1417.	3.2	24
34	Novel Method for Preparing Activated Carbons with High Specific Surface Area from Rice Husk. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 15075-15081.	1.8	98
35	Equilibrium isotherms, kinetics and thermodynamics studies of phenolic compounds adsorption on palm-tree fruit stones. <i>Ecotoxicology and Environmental Safety</i> , 2012, 84, 39-45.	2.9	66
36	Adsorption of Phenol from Aqueous Solution on a Low-Cost Activated Carbon Produced from Tea Industry Waste: Equilibrium, Kinetic, and Thermodynamic Study. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2733-2743.	1.0	177

#	ARTICLE	IF	CITATIONS
37	Elimination of organic micropollutants by adsorption on activated carbon prepared from agricultural waste. <i>Chemical Engineering Journal</i> , 2012, 189-190, 203-212.	6.6	112
38	Study on sorption of chlorophenols from aqueous solutions by an insoluble copolymer containing β -cyclodextrin and polyamidoamine units. <i>Chemical Engineering Journal</i> , 2012, 192, 138-145.	6.6	45
39	Influence of rhamnolipids and Triton X-100 on adsorption of phenol by <i>Penicillium simplicissimum</i> . <i>Bioresource Technology</i> , 2012, 110, 468-473.	4.8	39
40	Kinetic modeling of bioregeneration of chlorophenol-loaded granular activated carbon in simultaneous adsorption and biodegradation processes. <i>Bioresource Technology</i> , 2012, 114, 179-187.	4.8	17
41	Adsorptive Thermodynamic Properties and Kinetics of trans-1,2-Cyclohexandiol onto AB-8 Resin. <i>Chinese Journal of Chemical Engineering</i> , 2012, 20, 277-283.	1.7	3
42	Optimization of preparation conditions for activated carbons from date stones using response surface methodology. <i>Powder Technology</i> , 2012, 224, 101-108.	2.1	65
43	Adsorption of phenolic compounds from aqueous solution using salicylic acid type adsorbent. <i>Journal of Hazardous Materials</i> , 2012, 201-202, 74-81.	6.5	45
44	Molecularly imprinted polymer surfaces as solid-phase extraction sorbents for the extraction of 2,4-dinitrophenol and isomers from environmental water. <i>Journal of Separation Science</i> , 2012, 35, 490-497.	1.3	30
45	Synthesis, characterization, and CO ₂ capture study of micro-nano carbonaceous composites. <i>Science of the Total Environment</i> , 2013, 463-464, 192-198.	3.9	29
46	Adsorption of surfactants on sand surface in enhanced oil recovery: Isotherms, kinetics and thermodynamic studies. <i>Applied Surface Science</i> , 2013, 284, 87-99.	3.1	312
47	Efficient Removal of Acidic Dye Using Low-Cost Biocomposite Beads. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10569-10581.	1.8	59
48	Activated carbon prepared from soybean straw for phenol adsorption. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 458-465.	2.7	108
49	Influence of Immobilization of Bacterial Cells and TiO ₂ on Phenol Degradation. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	11
50	Comparison and evaluation of five types of imidazole-modified silica adsorbents for the removal of 2,4-dinitrophenol from water samples with the methyl group at different positions of imidazolium ring. <i>Journal of Hazardous Materials</i> , 2013, 260, 955-966.	6.5	16
51	Enhanced fluoride removal from water by non-thermal plasma modified CeO ₂ /Mg-Fe layered double hydroxides. <i>Applied Clay Science</i> , 2013, 72, 117-123.	2.6	66
52	Preparation of hydrophobic granular silica aerogels and adsorption of phenol from water. <i>Applied Surface Science</i> , 2013, 280, 806-811.	3.1	50
53	Kinetics and equilibrium study of phenol adsorption on nitrogen-enriched activated carbons. <i>Fuel</i> , 2013, 114, 235-243.	3.4	115
54	A new solution of Langmuir kinetic model for dissociative adsorption on solid surfaces. <i>Chemical Physics Letters</i> , 2013, 575, 101-106.	1.2	14

#	ARTICLE	IF	CITATIONS
55	Removal of 2,4-dichlorophenol using cyclodextrin-ionic liquid polymer as a macroporous material: Characterization, adsorption isotherm, kinetic study, thermodynamics. <i>Journal of Hazardous Materials</i> , 2013, 263, 501-516.	6.5	84
56	Hierarchically assembled mesoporous ZnO nanorods for the removal of lead and cadmium by using differential pulse anodic stripping voltammetric method. <i>Powder Technology</i> , 2013, 239, 208-216.	2.1	74
57	Removal of ethylthiourea and 1,2,4-triazole pesticide metabolites from water by adsorption in commercial activated carbons. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2013, 48, 183-190.	0.7	13
58	The Langmuir monolayer adsorption model of organic matter into effective pores in activated carbon. <i>Journal of Colloid and Interface Science</i> , 2013, 389, 213-219.	5.0	95
59	Degradation of organic dye by pulsed discharge non-thermal plasma technology assisted with modified activated carbon fibers. <i>Chemical Engineering Journal</i> , 2013, 215-216, 969-978.	6.6	68
60	Comparisons of porous, surface chemistry and adsorption properties of carbon derived from <i>Enteromorpha prolifera</i> activated by H ₂ O ₂ and KOH. <i>Chemical Engineering Journal</i> , 2013, 232, 582-590.	6.6	90
61	Adsorption of phenol from aqueous solutions by <i>Luffa cylindrica</i> fibers: Kinetics, isotherm and thermodynamic studies. <i>Egyptian Journal of Aquatic Research</i> , 2013, 39, 215-223.	1.0	115
62	Electrosorption driven by microbial fuel cells to remove phenol without external power supply. <i>Bioresource Technology</i> , 2013, 150, 271-277.	4.8	30
63	An Insight Into the Production, Characterization, and Mechanisms of Action of Low-Cost Adsorbents for Removal of Organics From Aqueous Solution. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 443-549.	6.6	37
64	Adsorption of phenol and p-chlorophenol from aqueous solutions on poly(styrene-co-divinylbenzene) functionalized materials. <i>Chemical Engineering Journal</i> , 2013, 222, 218-227.	6.6	75
65	Characteristics of Activated Carbon and Carbon Nanotubes as Adsorbents To Remove Annatto (Norbixin) in Cheese Whey. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 9230-9240.	2.4	19
66	Properties comparison of biochars from corn straw with different pretreatment and sorption behaviour of atrazine. <i>Bioresource Technology</i> , 2013, 147, 338-344.	4.8	156
67	Adsorption of phenol by chemically activated D coal. <i>Coke and Chemistry</i> , 2013, 56, 470-474.	0.0	0
68	Comparative Studies on Nitrophenol Removal by Adsorption and Simultaneous Adsorption-Biodegradation Processes. <i>International Journal of Chemical Reactor Engineering</i> , 2013, 11, 595-607.	0.6	4
69	Preparation of Waterborne Polyurethane Foam with Active Carbon and Its Adsorption for Phenol in Aqueous Solution. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 1070-1079.	0.7	6
70	Adsorption of Vanillin Using Macroporous Resin H103. <i>Adsorption Science and Technology</i> , 2013, 31, 599-610.	1.5	13
71	Adsorption and Regeneration Characteristics of Granular Adsorbent Based on Coal Fly Ash for Methylene Blue Removal. <i>Advanced Materials Research</i> , 2013, 773, 899-906.	0.3	1
72	Competitive Adsorption of p-Hydroxybenzoic Acid and Phenol on Activated Carbon: Experimental Study and Modeling. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 402-409.	0.7	15

#	ARTICLE	IF	CITATIONS
73	Adsorption on Activated Carbon from Olive Stones: Kinetics and Equilibrium of Phenol Removal from Aqueous Solution. <i>Journal of Chemical Engineering & Process Technology</i> , 2013, 04, .	0.1	10
74	Adsorption Behaviors of Oxytetracycline onto Sediment in the Weihe River, Shaanxi, China. <i>Journal of Chemistry</i> , 2013, 2013, 1-10.	0.9	11
75	Effect of initial biomass concentration on bioregeneration of 4-chlorophenol-loaded granular activated carbon: kinetic and efficiency studies. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1157-1163.	1.6	7
76	Production of Mesoporous Activated Carbon from Tea Fruit Peel Residues and Its Evaluation of Methylene Blue Removal from Aqueous Solutions. <i>BioResources</i> , 2013, 8, .	0.5	24
77	Linear and Nonlinear Regression Methods for Equilibrium Modelling of p-Nitrophenol Biosorption by <i>Rhizopus oryzae</i> : Comparison of Error Analysis Criteria. <i>Journal of Chemistry</i> , 2013, 2013, 1-10.	0.9	29
78	Modeling and Optimization for Production of Rice Husk Activated Carbon and Adsorption of Phenol. <i>Journal of Engineering (United States)</i> , 2014, 2014, 1-10.	0.5	17
79	Does Biochar Alter the Speciation of Cd and Pb in Aqueous Solution?. <i>BioResources</i> , 2014, 10, .	0.5	6
80	Removal of the Pesticide Pymetrozine from Aqueous Solution by Biochar Produced from Brewer's Spent Grain at Different Pyrolytic Temperatures. <i>BioResources</i> , 2014, 9, .	0.5	19
81	Applicability of the extended Derjaguin-Landau-Verwey-Overbeek theory on the adsorption of bovine serum albumin on solid surfaces. <i>Biointerphases</i> , 2014, 9, 041006.	0.6	13
82	Molecular Imprinted Polymer of Methacrylic Acid Functionalised β -Cyclodextrin for Selective Removal of 2,4-Dichlorophenol. <i>International Journal of Molecular Sciences</i> , 2014, 15, 6111-6136.	1.8	40
83	High basicity adsorbents from solid residue of cellulose and synthetic polymer co-pyrolysis for phenol removal: Kinetics and mechanism. <i>Applied Surface Science</i> , 2014, 316, 435-442.	3.1	36
84	Kinetic and equilibrium studies of simultaneous adsorption of monochlorophenols and chlorophenoxy herbicides on activated carbon. <i>Desalination and Water Treatment</i> , 2014, 52, 178-183.	1.0	28
85	The influence of an electrolyte on the adsorption of 4-chlorophenol onto activated carbon and multi-walled carbon nanotubes. <i>Desalination and Water Treatment</i> , 2014, , 1-10.	1.0	5
86	A potentially low-cost modified sawdust (MSD) effective for rapid Cr(VI) and As(V) removal from water. <i>RSC Advances</i> , 2014, 4, 49569-49576.	1.7	17
87	Viscosity of Dimethylbenzene in [Bmim][BF ₄] and [Bmim][PF ₆] Ionic Liquids. <i>Applied Mechanics and Materials</i> , 0, 541-542, 78-82.	0.2	1
88	Adsorption of Phenol from Aqueous Solution Using <i>Lantana camara</i> , Forest Waste: Kinetics, Isotherm, and Thermodynamic Studies. <i>International Scholarly Research Notices</i> , 2014, 2014, 1-16.	0.9	32
89	Removal of 2,4,6-trichlorophenol from water and petroleum refinery industry effluents by surfactant-modified bentonite. <i>Journal of Water Process Engineering</i> , 2014, 1, 46-53.	2.6	42
90	On the adsorption mechanisms of diethylamine by medically-certified activated carbons: Investigation of critical parameters controlling sorption properties. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1937-1946.	2.7	6

#	ARTICLE	IF	CITATIONS
91	Adsorption of the anionic dye Congo red from aqueous solution onto natural zeolites modified with N,N-dimethyl dehydroabietylamine oxide. <i>Chemical Engineering Journal</i> , 2014, 248, 135-144.	6.6	251
92	Comparative study of the adsorption of acetaminophen on activated carbons in simulated gastric fluid. <i>SpringerPlus</i> , 2014, 3, 48.	1.2	20
93	Characteristics of Cadmium(II) Adsorbed by the Extracellular Polymeric Substance Extracted from Waste-Activated Sludge After Short-Time Aerobic Digestion. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	4
94	Selective separation of salicylic acid from aqueous solutions using molecularly imprinted nano-polymer on wollastonite synthesized by oil-in-water microemulsion method. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3975-3983.	2.9	14
95	Effect of pore size distribution on tetracycline adsorption using magnetic hypercrosslinked resins. <i>Microporous and Mesoporous Materials</i> , 2014, 184, 105-111.	2.2	107
96	The Investigation of Phenol Removal from Aqueous Solutions by Water Hyacinth. <i>Separation Science and Technology</i> , 2014, 49, 1604-1612.	1.3	1
97	BENZENE ADSORPTION ON ACTIVATED CARBON FROM WALNUT SHELL. <i>Chemical Engineering Communications</i> , 2014, 201, 1294-1313.	1.5	17
98	Optimized photocatalytic degradation of Reactive Blue 2 by TiO ₂ /UV process. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 452-462.	0.9	12
99	Application of Kinetic, Isotherm, and Thermodynamic Models for Atrazine Adsorption on Nanoporous Polymeric Adsorbents. <i>Separation Science and Technology</i> , 2014, 49, 2358-2365.	1.3	6
100	Functionalized nanospheres for efficient sequestration of cadmium ions. <i>RSC Advances</i> , 2014, 4, 50056-50063.	1.7	9
101	Fabrication of magnetic mesoporous carbon and its application for adsorptive removal of 2,4,6-trichlorophenol (TCP) from aqueous solution. <i>CrystEngComm</i> , 2014, 16, 5598.	1.3	20
102	Adsorption of nitrate ions onto activated carbon prepared from rice husk by NaOH activation. <i>Desalination and Water Treatment</i> , 2014, 52, 4935-4941.	1.0	17
103	Equilibrium and kinetics of aniline adsorption onto crosslinked sawdust-cyclodextrin polymers. <i>RSC Advances</i> , 2014, 4, 40071-40077.	1.7	44
104	Removal of Heavy Metals Using Nanostructured Graphite Oxide, Silica Nanoparticles and Silica/Graphite Oxide Composite. <i>Energy Procedia</i> , 2014, 50, 130-138.	1.8	125
105	Kinetics and thermodynamics studies of pentachlorophenol adsorption on covalently functionalized Fe ₃ O ₄ @SiO ₂ “MWCNTs core”shell magnetic microspheres. <i>Chemical Engineering Journal</i> , 2014, 257, 10-19.	6.6	75
106	Static sorption of phenol and 4-nitrophenol onto composite geomaterials based on montmorillonite, activated carbon and cement. <i>Chemical Engineering Journal</i> , 2014, 255, 506-512.	6.6	23
107	Heavy Metals Removal Using Activated Carbon, Silica and Silica Activated Carbon Composite. <i>Energy Procedia</i> , 2014, 50, 113-120.	1.8	397
108	Isolating lignin from spent liquor of thermomechanical pulping process via adsorption. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 2597-2603.	1.2	18

#	ARTICLE	IF	CITATIONS
109	Anchored Iron Ligands as an Efficient Fenton-Like Catalyst for Removal of Dye Pollutants at Neutral pH. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 8376-8384.	1.8	18
110	PEI@Mg ₂ SiO ₄ : an efficient carbon dioxide and nitrophenol compounds adsorbing material. <i>RSC Advances</i> , 2014, 4, 33866-33873.	1.7	4
111	Tannic acid adsorption/desorption study onto/from commercial activated carbon. <i>Desalination and Water Treatment</i> , 2014, 52, 3301-3311.	1.0	9
112	Highly efficient adsorption of chlorophenols onto chemically modified chitosan. <i>Applied Surface Science</i> , 2014, 292, 735-741.	3.1	83
113	Removal of tannic acid from aqueous solution by magnetic carbohydrate natural polymer. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2992-2997.	2.9	18
114	Comparison of EDTA and SDS as potential surface impregnation agents for lead adsorption by activated carbon. <i>Applied Surface Science</i> , 2014, 309, 38-45.	3.1	34
115	Correlation between the adsorption ability and reduction degree of graphene oxide and tuning of adsorption of phenolic compounds. <i>Carbon</i> , 2014, 69, 101-112.	5.4	172
116	Binary adsorption breakthrough curves in fixed bed: Experiment and prediction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1608-1617.	2.7	10
117	Optimization of phenol adsorption onto bentonite by factorial design methodology. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2256-2263.	2.9	61
118	Nitric acid modification of activated carbon produced from waste tea and adsorption of methylene blue and phenol. <i>Applied Surface Science</i> , 2014, 313, 352-359.	3.1	257
119	Simultaneous Photocatalytic Reduction and Removal of Cr(VI) on TiO ₂ Immobilized by ACF. <i>Journal of Advanced Oxidation Technologies</i> , 2014, 17, .	0.5	1
120	Application of dried anaerobic digested sewage sludge as phenol biosorbent. <i>International Journal of Environmental Engineering</i> , 2014, 6, 29.	0.1	4
121	Ammonia and phenol removal in an internal-circulate sequencing batch airlift reactor. <i>Water Science and Technology</i> , 2015, 72, 63-69.	1.2	4
122	Water-enhanced Removal of Ciprofloxacin from Water by Porous Graphene Hydrogel. <i>Scientific Reports</i> , 2015, 5, 13578.	1.6	134
123	Interaction Mechanisms between Biochar and Organic Pollutants. <i>SSSA Special Publication Series</i> , 2015, , 225-257.	0.2	4
124	Adsorption of Phenol from Aqueous Solutions by Carbon Nanomaterials of One and Two Dimensions: Kinetic and Equilibrium Studies. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-14.	1.5	45
125	Thermodynamic Study of Adsorption of Phenol, 4-Chlorophenol, and 4-Nitrophenol on Activated Carbon Obtained from Eucalyptus Seed. <i>Journal of Chemistry</i> , 2015, 2015, 1-12.	0.9	37
126	Adsorption of chlorinated phenols on multiwalled carbon nanotubes. <i>RSC Advances</i> , 2015, 5, 24920-24929.	1.7	22

#	ARTICLE	IF	CITATIONS
127	Enhanced removal of bisphenol-AF onto chitosan-modified zeolite by sodium cholate in aqueous solutions. <i>Carbohydrate Polymers</i> , 2015, 130, 364-371.	5.1	32
128	Evaluation of low-cost materials for sorption of hydrophobic organic pollutants in stormwater. <i>Journal of Environmental Management</i> , 2015, 159, 106-114.	3.8	36
129	Adsorption of phenol and 2,4-dinitrophenol on activated carbons with surface modifications. <i>Microporous and Mesoporous Materials</i> , 2015, 209, 150-156.	2.2	35
130	Removal of chlorophenols from aqueous solutions by sorption onto walnut, pistachio and hazelnut shells. <i>Polish Journal of Chemical Technology</i> , 2015, 17, 23-31.	0.3	16
131	Adsorption of perrhenate ion by bio-char produced from <i>Acidosasa edulis</i> shoot shell in aqueous solution. <i>RSC Advances</i> , 2015, 5, 104769-104778.	1.7	38
132	The rationale for alternative fertilization: Equilibrium isotherm, kinetics and mass transfer analysis for urea-nitrogen adsorption from cow urine. <i>Resource-efficient Technologies</i> , 2015, 1, 90-97.	0.1	35
133	Competitive adsorption behaviors, characteristics, and dynamics of phenol, cresols, and dihydric phenols onto granular activated carbon. <i>Desalination and Water Treatment</i> , 2015, 56, 770-778.	1.0	12
134	Effective regeneration of an adsorbent for the removal of organic contaminants developed based on UV radiation and toxicity evaluation. <i>Reactive and Functional Polymers</i> , 2015, 95, 62-70.	2.0	22
135	β -Cyclodextrin functionalized polystyrene porous monoliths for separating phenol from wastewater. <i>Carbohydrate Polymers</i> , 2015, 120, 85-91.	5.1	31
136	Comparative removal of phenols and its chlorinated derivatives by carbon-coated monolith: equilibrium, kinetics and regeneration studies. <i>Desalination and Water Treatment</i> , 2015, 54, 393-404.	1.0	11
137	Significance of microporosity on the interaction of phenol with porous graphitic carbon. <i>Chemical Engineering Journal</i> , 2015, 269, 20-26.	6.6	32
138	Activated carbon fiber as heterogeneous catalyst of peroxymonosulfate activation for efficient degradation of Acid Orange 7 in aqueous solution. <i>Separation and Purification Technology</i> , 2015, 143, 19-26.	3.9	131
139	Novel sorbent materials for environmental remediation via depolymerization of used tyres. <i>Desalination and Water Treatment</i> , 2015, 56, 1264-1273.	1.0	4
140	Modified Correlations for Adsorption Isotherms. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 762-765.	1.0	1
141	Typical low cost biosorbents for adsorptive removal of specific organic pollutants from water. <i>Bioresource Technology</i> , 2015, 182, 353-363.	4.8	258
142	Development of olivestones-activated carbons by physical, chemical and physicochemical methods for phenol removal: a comparative study. <i>Desalination and Water Treatment</i> , 2015, 53, 452-461.	1.0	22
143	An effective heterogeneous iron-based catalyst to activate peroxymonosulfate for organic contaminants removal. <i>Chemical Engineering Journal</i> , 2015, 267, 102-110.	6.6	126
144	Enhanced adsorption of phenols from liquids by aluminum oxide/carbon nanotubes: Comprehensive study from synthesis to surface properties. <i>Journal of Molecular Liquids</i> , 2015, 206, 176-182.	2.3	78

#	ARTICLE	IF	CITATIONS
145	Removal of methylene blue onto mineral matrices. <i>Desalination and Water Treatment</i> , 2015, 56, 2773-2780.	1.0	15
146	Purification of phenol-contaminated water by adsorption with quaternized poly(dimethylaminopropyl) Tj ETQq1 1 0.784314 rgBT /Ovord FO6	5.2	106
147	Adsorption of ciprofloxacin, bisphenol and 2-chlorophenol on electrospun carbon nanofibers: In comparison with powder activated carbon. <i>Journal of Colloid and Interface Science</i> , 2015, 447, 120-127.	5.0	142
148	The influence of chlorinated aromaticsâ€™ structure on their adsorption characteristics on activated carbon to tackle chemical spills in drinking water source. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 138-146.	3.3	17
149	Evaluation of phosphorus adsorption capacity of sesame straw biochar on aqueous solution: influence of activation methods and pyrolysis temperatures. <i>Environmental Geochemistry and Health</i> , 2015, 37, 969-983.	1.8	112
150	Improved biosorption of phenol using crosslinked chitosan beads after modification with histidine and <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 614-621.	1.4	6
151	Adsorption of phenols on reduced-charge montmorillonites modified by bispyridinium dibromides: Mechanism, kinetics and thermodynamics studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 222-230.	2.3	70
152	Adsorptive Removal of Phenol from Aqueous Solution Using Activated Carbon Prepared from Babul Sawdust. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2015, 19, .	1.2	15
153	High-capacity adsorption of aniline using surface modification of lignocellulose-biomass jute fibers. <i>Bioresource Technology</i> , 2015, 193, 507-512.	4.8	56
154	Equilibrium and Kinetic Studies on the Adsorption of Lignans from <i>Schisandra chinensis</i> by Commercial Macroporous Resins. <i>Separation Science and Technology</i> , 2015, 50, 1321-1330.	1.3	3
155	Efficient separation of phenol from oil by acidâ€™base complexing adsorption. <i>Chemical Engineering Journal</i> , 2015, 281, 749-758.	6.6	48
156	Adsorption Behaviors of Acetaminophen onto the Colloid in Sediment. <i>Polish Journal of Environmental Studies</i> , 0, 24, .	0.6	4
157	Selective adsorption of CO ₂ on a regenerable amine-bentonite hybrid adsorbent. <i>Applied Clay Science</i> , 2015, 107, 213-219.	2.6	25
158	Mesoporous silicas: improving the adsorption efficiency of phenolic compounds by the removal of amino group from functionalized silicas. <i>RSC Advances</i> , 2015, 5, 41631-41638.	1.7	10
159	Adsorption of phenol by carbon sorbents based on oxidized coals. <i>Solid Fuel Chemistry</i> , 2015, 49, 30-35.	0.2	5
160	Solution blowing of activated carbon nanofibers for phenol adsorption. <i>RSC Advances</i> , 2015, 5, 5801-5808.	1.7	26
161	Kinetics and thermodynamics studies on the BMP-2 adsorption onto hydroxyapatite surface with different multi-morphological features. <i>Materials Science and Engineering C</i> , 2015, 52, 251-258.	3.8	11
162	Adsorption equilibrium, kinetics and mechanism studies of mercury on coal-fired fly ash. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 1405-1413.	1.2	28

#	ARTICLE	IF	CITATIONS
163	A pH- and Temperature-Responsive Magnetic Composite Adsorbent for Targeted Removal of Nonylphenol. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24446-24457.	4.0	65
164	Role of acidic sites in beta-hexachlorocyclohexane (β -HCH) adsorption by activated carbons: molecular modelling and adsorption-desorption studies. <i>RSC Advances</i> , 2015, 5, 85153-85164.	1.7	12
165	Adsorption behaviors of acetaminophen onto sediment in the Weihe River, Shaanxi, China. <i>International Journal of Sediment Research</i> , 2015, 30, 263-271.	1.8	10
166	Preparation of a novel porous adsorption material from coal slag and its adsorption properties of phenol from aqueous solution. <i>Materials and Design</i> , 2015, 88, 1191-1200.	3.3	32
167	Evaluation of micro- and nano-carbon-based adsorbents for the removal of phenol from aqueous solutions. <i>Toxicological and Environmental Chemistry</i> , 2015, 97, 1164-1179.	0.6	25
168	Adsorption of Co(II) and Mn(II) ions from pure terephthalic acid wastewater onto Na-bentonite. <i>Desalination and Water Treatment</i> , 0, , 1-11.	1.0	0
169	Comparative studies of sorption of phenolic compounds onto carbon-encapsulated iron nanoparticles, carbon nanotubes and activated carbon. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 467, 113-123.	2.3	58
170	Modification of reduced-charge montmorillonites by a series of Gemini surfactants: Characterization and application in methyl orange removal. <i>Applied Surface Science</i> , 2015, 324, 807-816.	3.1	61
171	Pentachlorophenol (PCP) adsorption from aqueous solution by activated carbons prepared from corn wastes. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 211-222.	1.8	29
172	Removal of Pb and Cu ions from aqueous solution by Mn ₃ O ₄ -coated activated carbon. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 470-475.	2.9	50
173	In-situ improved phenol adsorption at ions-enrichment interface of porous adsorbent for simultaneous removal of copper ions and phenol. <i>Chemical Engineering Journal</i> , 2015, 262, 571-578.	6.6	45
174	Dynamic adsorption of phenolic compounds on activated carbon produced from pulp and paper mill sludge: experimental study and modeling by artificial neural network (ANN). <i>Desalination and Water Treatment</i> , 2015, 55, 1453-1466.	1.0	16
175	Synthesis, physical properties, and application of aminated poly(glycidyl methacrylate)/zeolite composite. <i>Polymer Composites</i> , 2016, 37, 2313-2322.	2.3	5
176	Constructed Wetlands for Wastewater Treatment: Sustainability Revolution in Water Management. , 2016, , 337-373.		1
177	Removal of 4-nitrophenol from aqueous solution by adsorption onto activated carbon prepared from <i>Acacia glauca</i> sawdust. <i>Water Science and Technology</i> , 2016, 73, 955-966.	1.2	55
178	Development of response surface methodology for optimization of phenol and p-chlorophenol adsorption on magnetic recoverable carbon. <i>Microporous and Mesoporous Materials</i> , 2016, 231, 192-206.	2.2	70
179	Bioregeneration of cresol-loaded granular activated carbon using immobilized biomass: Effects of operational factors and chemical structure of cresol isomers. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 63, 386-395.	2.7	5
180	Adsorption of 2,4-dichlorophenol and 2,4-dichlorophenoxyacetic acid from aqueous solutions on carbonaceous materials obtained by combustion synthesis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 63, 371-378.	2.7	53

#	ARTICLE	IF	CITATIONS
181	Effect of micropore size distribution on phenol adsorption on steam activated carbons. <i>Adsorption</i> , 2016, 22, 599-607.	1.4	73
182	Wettability Control on Chitosan-Wrapped Carbon Nanotube Surface Through Simple Octanal-treatment: Selective Removing Phenol from Water. <i>Macromolecular Research</i> , 2016, 24, 429-435.	1.0	3
183	Role of surface chemistry in modified ACF (activated carbon fiber)-catalyzed peroxymonosulfate oxidation. <i>Applied Surface Science</i> , 2016, 383, 142-150.	3.1	89
184	Synthesis of high surface area carbon adsorbents prepared from pine sawdust- <i>Onopordum acanthium</i> L. for nonsteroidal anti-inflammatory drugs adsorption. <i>Journal of Environmental Management</i> , 2016, 183, 294-305.	3.8	56
185	Adsorption behavior of Me ₂ -CA-BTP/SiO ₂ -P adsorbent toward MA(III) and Ln(III) in nitrate solution. <i>Science China Chemistry</i> , 2016, 59, 862-868.	4.2	20
186	Microwave-assisted hydrothermal synthesis and adsorption properties of carbon nanofibers for methamphetamine removal from aqueous solution using a response surface methodology. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 41, 158-164.	2.9	27
187	The removal of chlorophenols from aqueous solutions using activated carbon adsorption integrated with H ₂ O ₂ oxidation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 119, 19-34.	0.8	38
188	Electro-peroxone regeneration of phenol-saturated activated carbon fiber: The effects of irreversible adsorption and operational parameters. <i>Carbon</i> , 2016, 109, 321-330.	5.4	35
189	Sorption of chlorophenols on microporous minerals: mechanism and influence of metal cations, solution pH, and humic acid. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19266-19280.	2.7	12
190	Activated carbon fiber for heterogeneous activation of persulfate: implication for the decolorization of azo dye. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18564-18574.	2.7	65
191	Fuchsine biosorption using <i>Asplenium nidus</i> biosorbent-a mechanism using kinetic and isotherm data. <i>RSC Advances</i> , 2016, 6, 98682-98692.	1.7	8
192	Removal of phosphorus from anaerobic membrane bioreactor effluent by ion exchange resin. <i>Separation Science and Technology</i> , 2016, 51, 2833-2843.	1.3	15
193	A kinetic, equilibrium and thermodynamic study of l-phenylalanine adsorption using activated carbon based on agricultural waste (date stones). <i>Journal of Applied Research and Technology</i> , 2016, 14, 354-366.	0.6	85
194	Preparation of a sludge-based adsorbent and adsorption of dimethyl phthalate from aqueous solution. <i>Desalination and Water Treatment</i> , 2016, 57, 20016-20026.	1.0	3
195	Taguchi optimization for the removal of high concentrations of phenol from saline wastewater using electro-Fenton process. <i>Desalination and Water Treatment</i> , 2016, 57, 27331-27338.	1.0	16
196	Simultaneous regeneration of p-nitrophenol-saturated activated carbon fiber and mineralization of desorbed pollutants by electro-peroxone process. <i>Carbon</i> , 2016, 101, 399-408.	5.4	55
197	Evaluation of the SBA-15 materials ability to accumulation of 4-chlorophenol on carbon paste electrode. <i>Adsorption</i> , 2016, 22, 801-812.	1.4	29
198	A study on phenol migration by coupling the liquid membrane in the ionic liquid. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 15724-15732.	3.8	9

#	ARTICLE	IF	CITATIONS
199	Developing microporosity in Kevlar®-derived carbon fibers by CO ₂ activation for CO ₂ adsorption. <i>Journal of CO₂ Utilization</i> , 2016, 16, 17-22.	3.3	43
200	Adsorption of phenol onto garlic peel: optimization, kinetics, isotherm, and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2016, 57, 2089-2103.	1.0	13
201	Sorption of halogenated phenols and pharmaceuticals to biochar: affecting factors and mechanisms. <i>Environmental Science and Pollution Research</i> , 2016, 23, 951-961.	2.7	72
202	Dynamic adsorption of ciprofloxacin on carbon nanofibers: Quantitative measurement by in situ fluorescence. <i>Journal of Water Process Engineering</i> , 2016, 9, e14-e20.	2.6	61
203	Solar photocatalytic degradation of phenol by TiO ₂ /AC prepared by temperature impregnation method. <i>Desalination and Water Treatment</i> , 2016, 57, 835-844.	1.0	50
204	Adsorption of phenol on aluminum oxide impregnated fly ash. <i>Desalination and Water Treatment</i> , 2016, 57, 6801-6808.	1.0	35
205	Activated rice husk-based adsorbents for chlorophenol removal and their bioregeneration. <i>Desalination and Water Treatment</i> , 2016, 57, 10349-10360.	1.0	6
206	Calorimetric evaluation of activated carbons modified for phenol and 2,4-dinitrophenol adsorption. <i>Adsorption</i> , 2016, 22, 13-21.	1.4	11
207	Synthesis and application of recyclable magnetic freeze-dried graphene oxide nanocomposite as a high capacity adsorbent for cationic dye adsorption. <i>Desalination and Water Treatment</i> , 2016, 57, 22655-22670.	1.0	21
208	Equilibrium, kinetics and thermodynamics study of phenols adsorption onto activated carbon obtained from lignocellulosic material (<i>Eucalyptus Globulus labill</i> seed). <i>Adsorption</i> , 2016, 22, 33-48.	1.4	46
209	Enhancement of photocatalytic activity of TiO ₂ by immobilization on activated carbon for degradation of pharmaceuticals. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1929-1937.	3.3	141
210	Flow permeable composites of lignin and poly(vinyl alcohol): Towards removal of bisphenol A and erythromycin from water. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1432-1441.	3.3	14
211	Regeneration of nitrophenol loaded granular activated carbon and its effect on the surface properties of adsorbent. <i>Desalination and Water Treatment</i> , 2016, 57, 25494-25502.	1.0	8
212	Influence of pore size distribution on the adsorption of phenol on PET-based activated carbons. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 205-212.	5.0	81
213	Combination of Mn oxidation states improves the photocatalytic degradation of phenol with ZnAl LDH materials without a source of O ₂ in the reaction system. <i>Catalysis Today</i> , 2016, 266, 62-71.	2.2	20
214	The application of prepared porous carbon materials: Effect of different components on the heavy metal adsorption. <i>Waste Management and Research</i> , 2016, 34, 534-541.	2.2	19
215	Phenol adsorption equilibrium and kinetics on zeolite X/activated carbon composite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 62, 192-198.	2.7	90
216	Studies on the adsorption of phenol on dried sewage sludge and solid gasification by-products. <i>Desalination and Water Treatment</i> , 2016, 57, 1067-1074.	1.0	7

#	ARTICLE	IF	CITATIONS
217	Phragmites australis : An alternative biosorbent for basic dye removal. Ecological Engineering, 2016, 86, 85-94.	1.6	69
218	Adsorptive removal of phenol from aqueous solution with zeolitic imidazolate framework-67. Journal of Environmental Management, 2016, 169, 167-173.	3.8	56
219	Adsorption behavior and mechanism of isobutyl-BTP/SiO ₂ -P adsorbent for Am(III) and Ln(III) in nitrate solution. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 2001-2008.	0.7	9
220	Adsorption of a new nonionic surfactant on carbonate minerals in enhanced oil recovery: Experimental and modeling study. Chemical Engineering Research and Design, 2016, 105, 55-63.	2.7	81
221	Deducing kinetic constants for the hydrodechlorination of 4-chlorophenol using high adsorption capacity catalysts. Chemical Engineering Journal, 2016, 285, 228-235.	6.6	37
222	Adsorption of styrene sulfonate from aqueous solutions onto carbon fibers and mesoporous carbon. Microporous and Mesoporous Materials, 2016, 222, 247-255.	2.2	5
223	Iron oxide-impregnated dextrin nanocomposite: synthesis and its application for the biosorption of Cr(VI) ions from aqueous solution. Desalination and Water Treatment, 2016, 57, 15133-15145.	1.0	60
224	Optimized adsorption of 4-chlorophenol onto activated carbon derived from milk vetch utilizing response surface methodology. Desalination and Water Treatment, 2016, 57, 14213-14226.	1.0	16
225	Dynamic behavior of the adsorption, activated sludge and combined activated sludge-adsorption process for treatment of cheese whey wastewater. Desalination and Water Treatment, 2016, 57, 16404-16414.	1.0	5
226	Adsorption of diclofenac from aqueous solution using <i>Cyclamen persicum</i> tubers based activated carbon (CTAC). Journal of the Association of Arab Universities for Basic and Applied Sciences, 2016, 20, 32-38.	1.0	53
227	Adsorption of PAEs from aqueous solution by modified zeolites. Desalination and Water Treatment, 2016, 57, 18300-18313.	1.0	2
228	Capacity and mechanisms of ammonium and cadmium sorption on different wetland-plant derived biochars. Science of the Total Environment, 2016, 539, 566-575.	3.9	208
229	Adsorption characteristics of Congo red on carbonized leonardite. Journal of Cleaner Production, 2016, 134, 506-514.	4.6	72
230	Enhancement of phenol adsorption on mesoporous carbon monolith modified by NaOH and NH ₃ : equilibrium and kinetic studies. Desalination and Water Treatment, 2016, 57, 4183-4193.	1.0	3
231	Sorption of phenol from waters on activated carbon impregnated with iron oxide, aluminum oxide and titanium oxide. Journal of Molecular Liquids, 2016, 213, 351-359.	2.3	89
232	Surface-functionalized activated sericite for the simultaneous removal of cadmium and phenol from aqueous solutions: Mechanistic insights. Chemical Engineering Journal, 2016, 283, 1414-1423.	6.6	55
233	Removal of methyl orange (MO) from aqueous solution using cationic surfactants modified coffee waste (MCWs). Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 424-433.	2.7	110
234	Hydrogenation of nitrophenols catalyzed by carbon black-supported nickel nanoparticles under mild conditions. Applied Catalysis B: Environmental, 2016, 180, 408-415.	10.8	236

#	ARTICLE	IF	CITATIONS
235	Preparation of amino functionalized imidazolium-modified silicas by different coupling agents for removal of 2,4-dinitrophenol from aqueous solutions. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 113-124.	1.8	9
236	Adsorption of phenol onto Banana Peels Activated Carbon. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 100-110.	0.9	41
237	Core-shell-like Ni-Pd nanoparticles supported on carbon black as a magnetically separable catalyst for green Suzuki-Miyaura coupling reactions. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 39-46.	10.8	83
238	Fe ₂ O ₃ -loaded activated carbon fiber/polymer materials and their photocatalytic activity for methylene blue mineralization by combined heterogeneous-homogeneous photocatalytic processes. <i>Applied Surface Science</i> , 2017, 402, 444-455.	3.1	20
239	Mechanism and performance for adsorption of 2-chlorophenol onto zeolite with surfactant by one-step process from aqueous phase. <i>Science of the Total Environment</i> , 2017, 581-582, 550-558.	3.9	26
240	Separation of bisphenol A and phenol from water by polymer adsorbents: Equilibrium and kinetics studies. <i>Journal of Water Process Engineering</i> , 2017, 16, 206-211.	2.6	24
241	Enhanced removal of bisphenol-AF by activated carbon-alginate beads with cetyltrimethyl ammonium bromide. <i>Journal of Colloid and Interface Science</i> , 2017, 495, 191-199.	5.0	27
242	Novel high performance magnetic activated carbon for phenol removal: equilibrium, kinetics and thermodynamics. <i>Journal of Porous Materials</i> , 2017, 24, 1309-1317.	1.3	19
243	Successive extraction of As(V), Cu(II) and P(V) ions from water using spent coffee powder as renewable bioadsorbents. <i>Scientific Reports</i> , 2017, 7, 42881.	1.6	37
244	Selective Adsorption of <i>p</i> -Xylene from Pure Terephthalic Acid Wastewater on Modified and Formed Zeolites. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1047-1057.	1.0	4
245	The effects of the thermal treatment of activated carbon on the phenols adsorption. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 1081-1090.	1.2	20
246	Efficient removal of coomassie brilliant blue R-250 dye using starch/poly(alginic acid-cl-acrylamide) nanohydrogel. <i>Chemical Engineering Research and Design</i> , 2017, 109, 301-310.	2.7	183
247	Adsorption of steroid micropollutants on polymer-based spherical activated carbon (PBSAC). <i>Journal of Hazardous Materials</i> , 2017, 337, 126-137.	6.5	69
248	Effects of carbon nanotubes on phosphorus adsorption behaviors on aquatic sediments. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 230-236.	2.9	8
249	A high throughput mass spectrometry screening analysis based on two-dimensional carbon microfiber fractionation system. <i>Journal of Chromatography A</i> , 2017, 1501, 1-9.	1.8	9
250	Adsorption of organic stormwater pollutants onto activated carbon from sewage sludge. <i>Journal of Environmental Management</i> , 2017, 197, 490-497.	3.8	104
251	Towards improved adsorption of phenolic compounds by surface chemistry tailoring of silica aerogels. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 409-421.	1.1	9
252	Enhancement of <i>p</i> -nitrophenol adsorption capacity through N ₂ -thermal-based treatment of activated carbons. <i>Applied Surface Science</i> , 2017, 414, 424-434.	3.1	62

#	ARTICLE	IF	CITATIONS
253	Denitrogenation and desulfurization of model diesel fuel using functionalized polymer: Charge transfer complex formation and adsorption isotherm study. <i>Chemical Engineering Journal</i> , 2017, 325, 176-187.	6.6	39
254	The challenges of anaerobic digestion and the role of biochar in optimizing anaerobic digestion. <i>Waste Management</i> , 2017, 61, 236-249.	3.7	290
255	Efficient removal of phenol from aqueous solutions using hydroxyapatite and substituted hydroxyapatites. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 122, 155-175.	0.8	10
256	Fabrication and characterization of a nanocomposite hydrogel for combined photocatalytic degradation of a mixture of malachite green and fast green dye. <i>Nanotechnology for Environmental Engineering</i> , 2017, 2, 1.	2.0	70
257	Adsorptive kinetic mechanism of heavy metal cations on the surface of graphite oxide and its SiO ₂ composite. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
258	Insight into highly efficient co-removal of p-nitrophenol and lead by nitrogen-functionalized magnetic ordered mesoporous carbon: Performance and modelling. <i>Journal of Hazardous Materials</i> , 2017, 333, 80-87.	6.5	167
259	Removal of Phenolic Compounds from Aqueous Solutions Using Sludge-Based Activated Carbons Prepared by Conventional Heating and Microwave-Assisted Pyrolysis. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	39
260	Chamotte clay as potential low cost adsorbent to be used in the palm kernel biodiesel purification. <i>Applied Clay Science</i> , 2017, 149, 41-50.	2.6	45
261	A novel magnetic composite adsorbent of phenolic compounds based on waste poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42. 12617-12630.	1.4	10
262	A rechargeable iodine-carbon battery that exploits ion intercalation and iodine redox chemistry. <i>Nature Communications</i> , 2017, 8, 527.	5.8	176
263	On the Understanding of the Adsorption of 2-Phenylethanol on Polyurethane-Keratin based Membranes. <i>International Journal of Chemical Reactor Engineering</i> , 2017, 15, .	0.6	2
264	A Novel Poly(<i>N</i> -isopropylacrylamide-co- <i>N</i> -acryloylamidobenzo[1,2-crown-4] Microgel with Rapid Stimuli-Responsiveness for Molecule-Specific Adsorption of ¹³ Cyclodextrin. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700216.	1.1	7
265	Carbon-coated sepiolite clay fibers with acid pre-treatment as low-cost organic adsorbents. <i>Carbon</i> , 2017, 123, 259-272.	5.4	35
266	Abatement of organic pollutants using fly ash based adsorbents. <i>Water Science and Technology</i> , 2017, 76, 2580-2592.	1.2	53
267	Pb(II) ion adsorption by biomass-based carbonaceous fiber modified by the integrated oxidation and vulcanization. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2619-2630.	1.2	8
268	Synthesis of piperazine functionalized magnetic sporopollenin: a new organic-inorganic hybrid material for the removal of lead(II) and arsenic(III) from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21846-21858.	2.7	39
269	Preparation of supported catalyst by adsorption of polyoxometalate on graphene oxide/reduced graphene oxide. <i>Materials Chemistry and Physics</i> , 2017, 199, 424-434.	2.0	33
270	Pervaporative performance of polydimethylsiloxane-graphene/polyethersulfone hybrid membrane: Effects of graphene structure and surface properties. <i>Chemical Engineering Research and Design</i> , 2017, 124, 181-192.	2.7	25

#	ARTICLE	IF	CITATIONS
271	Polymer-based spherical activated carbon as catalytic support for hydrodechlorination reactions. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 498-505.	10.8	31
272	Adsorption of 4-chlorophenol and aniline by nanosized activated carbons. <i>Chemical Engineering Journal</i> , 2017, 327, 941-952.	6.6	79
273	Structural evolution of hierarchical porous NiO/Al ₂ O ₃ composites and their application for removal of dyes by adsorption. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 41-53.	1.2	22
274	Ion-recognizable hydrogels for efficient removal of cesium ions from aqueous environment. <i>Journal of Hazardous Materials</i> , 2017, 323, 632-640.	6.5	79
275	Activated carbon obtained from sapelli wood sawdust by microwave heating for o-cresol adsorption. <i>Research on Chemical Intermediates</i> , 2017, 43, 1063-1087.	1.3	64
276	Microporous carbon fibers prepared from cellulose as efficient sorbents for removal of chlorinated phenols. <i>Research on Chemical Intermediates</i> , 2017, 43, 503-522.	1.3	21
277	Impounding of ortho-Chlorophenol by Zeolitic Materials Adapted from Bagasse Fly Ash: Four Factor Three Level Box-Behnken Design Modelling and Optimization. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 241-260.	1.7	12
278	Novel hydrophobic cotton fibers adsorbent for the removal of nitrobenzene in aqueous solution. <i>Carbohydrate Polymers</i> , 2017, 155, 294-302.	5.1	52
279	Selective and competitive removal of dyes from binary and ternary systems in aqueous solutions by pretreated jujube shell (<i>Zizyphus lotus</i>). <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1168-1174.	1.3	26
280	Synthesis and application of iron and zinc doped biochar for removal of p-nitrophenol in wastewater and assessment of the influence of co-existed Pb(II). <i>Applied Surface Science</i> , 2017, 392, 391-401.	3.1	148
281	Adsorption properties of activated carbon fibers. , 2017, , 143-165.		24
282	Adsorptive Removal of 4-Nitrophenol from Aqueous Solution by Activated Carbon Prepared from Waste Orange Peels. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2017, 21, .	1.2	19
283	Fabrication and characterization of chitosan-crosslinked-poly(alginate) nanohydrogel for adsorptive removal of Cr(VI) metal ion from aqueous medium. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 484-493.	3.6	217
284	Characteristics of cellulose-microalgae composite. <i>Journal of the Korean Physical Society</i> , 2017, 71, 471-477.	0.3	0
285	Adsorption Properties of Phenol in Aqueous Solution with Different Acidic Adsorption Resins. , 2017, , 267-282.		0
286	Adsorption of hexavalent chromium on modified corn stalk using different cross-linking agents. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 274, 012017.	0.3	0
287	Comparative Study of Different Activation Treatments for the Preparation of Activated Carbon: A Mini-Review. <i>Science Progress</i> , 2017, 100, 299-312.	1.0	50
288	Simultaneous Removal of Hg(II) and Phenol Using Functionalized Activated Carbon Derived from Areca Nut Waste. <i>Metals</i> , 2017, 7, 248.	1.0	16

#	ARTICLE	IF	CITATIONS
289	Removal of Phenolic Compounds from Water Using Sewage Sludge-Based Activated Carbon Adsorption: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1094.	1.2	102
290	Preparation of Porous Carbon-Manganese Dioxide Nanocomposite for Sensitive Determination of Cadmium Ion. <i>International Journal of Electrochemical Science</i> , 2017, 12, 9736-9746.	0.5	6
291	Optimization and modeling of electro-Fenton process for treatment of phenolic wastewater using nickel and sacrificial stainless steel anodes. <i>Journal of Water Process Engineering</i> , 2018, 22, 155-162.	2.6	54
292	Performance of a zeolite modified with <i>N,N</i> -dimethyl dehydroabietylamine oxide (DAAO) for adsorption of humic acid assessed in batch and fixed bed columns. <i>RSC Advances</i> , 2018, 8, 9006-9016.	1.7	12
293	Removal of three nitrophenols from aqueous solutions by adsorption onto char ash: equilibrium and kinetic modeling. <i>Applied Water Science</i> , 2018, 8, 1.	2.8	54
294	Hierarchically porous carbon derived from metal-organic frameworks for separation of aromatic pollutants. <i>Chemical Engineering Journal</i> , 2018, 346, 388-396.	6.6	39
295	UiO-66 derived etched carbon/polymer membranes: High-performance supports for the extraction of organic pollutants from water. <i>Chemical Engineering Journal</i> , 2018, 346, 85-93.	6.6	56
296	Chemotherapeutic Drug-Conjugated Microbeads Demonstrate Preferential Binding to Methylated Plasmid DNA. <i>Biotechnology Journal</i> , 2018, 13, e1700701.	1.8	4
297	Removal of <i>p</i> -arsanilic acid by an amino-functionalized indium-based metal-organic framework: Adsorption behavior and synergetic mechanism. <i>Chemical Engineering Journal</i> , 2018, 339, 359-368.	6.6	123
298	A quick removal of toxic phenolic compounds using porous carbon prepared from renewable biomass coconut spathe and exploration of new source for porous carbon materials. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1434-1442.	3.3	31
299	Optimization of activated carbon detoxification of dilute ammonia pretreated energy cane bagasse enzymatic hydrolysate by response surface methodology. <i>Industrial Crops and Products</i> , 2018, 115, 166-173.	2.5	45
300	Tailored silica nanospheres: an efficient adsorbent for environmental chromium remediation. <i>Radiochimica Acta</i> , 2018, 106, 427-435.	0.5	2
301	Studies on adsorption of rare earth elements from nitric acid solution with macroporous silica-based bis(2-ethylhexyl)phosphoric acid impregnated polymeric adsorbent. <i>Adsorption Science and Technology</i> , 2018, 36, 1049-1065.	1.5	34
302	Novel chitosan/polyvinyl alcohol/talc composite for adsorption of heavy metals and dyes from aqueous solution. <i>Separation Science and Technology</i> , 2018, 53, 2527-2535.	1.3	30
303	Nitrogen-Doped Microporous Carbon Derived from Polyaniline Nanofiber for Removal of 2,4-Dichlorophenol. <i>Environmental Engineering Science</i> , 2018, 35, 352-361.	0.8	3
304	<i>p</i> -Nitrophenol determination and remediation: an overview. <i>Reviews in Analytical Chemistry</i> , 2018, 37, .	1.5	60
305	Hybrid functionalized chitosan-Al ₂ O ₃ @SiO ₂ composite for enhanced Cr(VI) adsorption. <i>Chemosphere</i> , 2018, 203, 188-198.	4.2	84
306	Fabrication of multi-functional porous microspheres in a modular fashion for the detection, adsorption, and removal of pollutants in wastewater. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 1-9.	5.0	12

#	ARTICLE	IF	CITATIONS
307	Isotherm and kinetic studies on adsorption of oil sands process-affected water organic compounds using granular activated carbon. <i>Chemosphere</i> , 2018, 202, 716-725.	4.2	53
308	Sodium dodecyl sulfate intercalated and acrylamide anchored layered double hydroxides: A multifunctional adsorbent for highly efficient removal of Congo red. <i>Journal of Colloid and Interface Science</i> , 2018, 521, 172-182.	5.0	78
309	Proper functional modification and optimized adsorption conditions improved the DNA loading capacity of mesoporous silica nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 548, 98-107.	2.3	26
310	Adsorption and correlations of selected aromatic compounds on a KOH-activated carbon with large surface area. <i>Science of the Total Environment</i> , 2018, 618, 1677-1684.	3.9	75
311	Adsorption enthalpy of lead(II) and phenol on coals and activated carbon in the view of thermodynamic analysis and calorimetric measurements. <i>Journal of Chemical Thermodynamics</i> , 2018, 116, 97-106.	1.0	19
312	Micro- and mesoporous-enriched carbon materials prepared from a mixture of petroleum-derived oily sludge and biomass. <i>Fuel Processing Technology</i> , 2018, 171, 140-147.	3.7	48
313	Nitrogen-doped carbon black supported NiCo ₂ S ₄ catalyst for hydrogenation of nitrophenols under mild conditions. <i>Journal of Materials Science</i> , 2018, 53, 4467-4481.	1.7	22
314	Removal of 4-chlorophenol from water using different carbon nanostructures: A comparison study. <i>Journal of Molecular Liquids</i> , 2018, 249, 877-885.	2.3	40
315	Efficient removal of toxic phosphate anions from aqueous environment using pectin based quaternary amino anion exchanger. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1-10.	3.6	112
316	Adsorption properties of activated carbon fiber for highly effective removal of methyl orange dye. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 208, 012005.	0.2	9
317	Evaluation on adsorption isotherms of alizarin red S dye removal by nickel/aluminium layered double hydroxide. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 440, 012013.	0.3	1
318	Isotherm, Kinetic, and Thermodynamic Characteristics for Adsorption of 2,5-Xylenol onto Activated Carbon. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 541-549.	1.4	4
319	Cyclodextrin-Based Polymer-Supported Bacterium for the Adsorption and in-situ Biodegradation of Phenolic Compounds. <i>Frontiers in Chemistry</i> , 2018, 6, 403.	1.8	5
320	β -Cyclodextrin conjugated bifunctional isocyanate linker polymer for enhanced removal of 2,4-dinitrophenol from environmental waters. <i>Royal Society Open Science</i> , 2018, 5, 180942.	1.1	23
321	Removal of organic contaminant by municipal sewage sludge-derived hydrochar: kinetics, thermodynamics and mechanisms. <i>Water Science and Technology</i> , 2018, 78, 947-956.	1.2	25
322	Sorptive process and breakthrough behavior of odorous volatile compounds on inert surfaces. <i>Scientific Reports</i> , 2018, 8, 13118.	1.6	4
323	Adsorption Characteristics of Phenolic Compounds on Graphene Oxide and Reduced Graphene Oxide: A Batch Experiment Combined Theory Calculation. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1950.	1.3	34
324	Thorium adsorption by oxidized biochar fibres derived from <i>Luffa cylindrica</i> sponges. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 1065-1070.	0.7	15

#	ARTICLE	IF	CITATIONS
325	Experimental investigations of SDS adsorption on the Algerian rock reservoir: chemical enhanced oil recovery case. <i>Research on Chemical Intermediates</i> , 2018, 44, 7665-7690.	1.3	4
326	Biobased Functional Carbon Materials: Production, Characterization, and Applications—A Review. <i>Materials</i> , 2018, 11, 1568.	1.3	57
327	Efficient removal of bisphenol-A by ultra-high surface area porous activated carbon derived from asphalt. <i>Carbon</i> , 2018, 140, 441-448.	5.4	67
328	Adsorption characteristics and kinetics of synthesized anionic surfactant and polymeric surfactant on sand surface for application in enhanced oil recovery. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2211.	0.8	19
329	Enhancement of ciprofloxacin sorption on chitosan/biochar hydrogel beads. <i>Science of the Total Environment</i> , 2018, 639, 560-569.	3.9	245
330	A study on the preparation of pitch-based high-strength columnar activated carbon and mechanism of phenol adsorption from aqueous solution. <i>RSC Advances</i> , 2018, 8, 17558-17568.	1.7	19
331	Regeneration of Activated Carbon Fiber by the Electro-Fenton Process. <i>Environmental Science & Technology</i> , 2018, 52, 7450-7457.	4.6	92
332	Ultrasound-assisted adsorption of phenol from aqueous solution by using spent black tea leaves. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22920-22930.	2.7	35
333	Low concentration Re(VII) recovery from acidic solution by Cu-biochar composite prepared from bamboo (<i>Acidosasa longiligula</i>) shoot shell. <i>Minerals Engineering</i> , 2018, 124, 123-136.	1.8	37
334	Re-evaluation of the century-old Langmuir isotherm for modeling adsorption phenomena in solution. <i>Chemical Physics</i> , 2018, 513, 99-104.	0.9	208
335	Adsorption behavior and mechanism of core-shell magnetic rhamnolipid-layered double hydroxide nanohybrid for phenolic compounds from heavy metal-phenolic pollutants. <i>Applied Clay Science</i> , 2018, 162, 230-238.	2.6	23
336	Optimization of preparation of monolithic carbon foam from rice husk char for benzene leakage emergency. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26046-26058.	2.7	4
337	Crumpled graphene balls as rapid and efficient adsorbents for removal of copper ions. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 46-51.	5.0	26
338	A comparative study on the adsorption and desorption characteristics of flavonoids from honey by six resins. <i>Food Chemistry</i> , 2018, 268, 424-430.	4.2	29
339	Removal of Lead (II) By Lumbang (<i>Aleurites Moluccana</i>) Activated Carbon Carboxymethylcellulose Composite Crosslinked with Epichlorohydrin. <i>Oriental Journal of Chemistry</i> , 2018, 34, 693-703.	0.1	3
340	Inspection for desorption behavior and desorption mechanism of oily sludge by thermodynamics and kinetics analysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 226-233.	2.7	17
341	The pretreatment of granular activated carbon using sodium persulfate and hydrogen peroxide under basic conditions: Properties, metal impregnation, and As(V) adsorption. <i>Materials Chemistry and Physics</i> , 2018, 218, 317-325.	2.0	4
342	Preparation, characterization, and application of low-cost açaí-seed-based activated carbon for phenol adsorption. <i>International Journal of Environmental Research</i> , 2018, 12, 755-764.	1.1	23

#	ARTICLE	IF	CITATIONS
343	Micropore Size Distribution and Surface Characteristics Co-influence on 4-Chlorophenol Adsorption Mechanism from Organic Solvents. <i>Langmuir</i> , 2018, 34, 10480-10490.	1.6	5
344	Supercritical Regeneration of an Activated Carbon Fiber Exhausted with Phenol. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 81.	1.3	10
345	Adsorption Property and Mechanism of Oxytetracycline onto Willow Residues. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 8.	1.2	27
346	Towards sustainable removal of methylthioninium chloride by using adsorption-electroradical regeneration. <i>Chemosphere</i> , 2018, 210, 476-485.	4.2	5
347	Effect of preparation methods on morphology of active manganese dioxide and 2,4-dinitrophenol adsorption performance. <i>Adsorption Science and Technology</i> , 2018, 36, 1100-1111.	1.5	15
348	The application of GAC sandwich slow sand filtration to remove pharmaceutical and personal care products. <i>Science of the Total Environment</i> , 2018, 635, 1182-1190.	3.9	50
349	Application of <i>Phragmites australis</i> to remove phenol from aqueous solutions by chemical activation in batch and fixed-bed columns. <i>Environmental Science and Pollution Research</i> , 2018, 25, 23917-23928.	2.7	12
350	Organo-vermiculites modified by low-dosage Gemini surfactants with different spacers for adsorption toward p-nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 601-611.	2.3	32
351	Separation of Palladium along with Minor Actinides by <i>iso</i> -Bu-BTP/SiO ₂ -P Adsorbent from High-Level Liquid Waste. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2931-2939.	1.0	28
352	Adsorption of methylene blue onto carboxymethyl sago pulp-immobilized sago waste hydrogel beads. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 2047-2058.	1.8	24
353	Phenol adsorption and desorption with physically and chemically tailored porous polymers: Mechanistic variability associated with hyper-cross-linking and amination. <i>Journal of Hazardous Materials</i> , 2019, 361, 162-168.	6.5	52
354	Single and simultaneous adsorption of methyl orange and p-chlorophenol on organo-vermiculites modified by an asymmetric gemini surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123740.	2.3	6
355	Congo red dye removal from aqueous solution by acid-activated bentonite from sarolangun: kinetic, equilibrium, and thermodynamic studies. <i>Arab Journal of Basic and Applied Sciences</i> , 2019, 26, 125-136.	1.0	37
356	Carbon Nanomaterial Doped Ionic Liquid Gels for the Removal of Pharmaceutically Active Compounds from Water. <i>Molecules</i> , 2019, 24, 2788.	1.7	10
357	Novel utilization of pyrolysis products produced from waste printed circuit boards: catalytic cracking and synthesis of graphite carbon. <i>Journal of Cleaner Production</i> , 2019, 236, 117662.	4.6	19
358	Physical insights into kinetic models of adsorption. <i>Separation and Purification Technology</i> , 2019, 229, 115832.	3.9	60
359	Comparison between Asymmetric and Symmetric Gemini Surfactant-Modified Novel Organo-vermiculites for Removal of Phenols. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 12927-12938.	1.8	18
360	Removal of strontium from aqueous solutions by sodium dodecyl sulfate-modified palygorskite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 151-159.	0.7	4

#	ARTICLE	IF	CITATIONS
361	Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. <i>Journal of Hazardous Materials</i> , 2019, 380, 120864.	6.5	110
362	Catalytic and photocatalytic ozonation with activated carbon as technologies in the removal of aqueous micropollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111961.	2.0	16
363	Reagent adsorption on modified mineral surfaces: isotherm, kinetic and thermodynamic aspects. <i>Journal of Molecular Liquids</i> , 2019, 291, 111311.	2.3	12
364	Adsorption of chlorophenolic compounds on activated clinoptilolite. <i>Adsorption Science and Technology</i> , 2019, 37, 664-679.	1.5	9
365	Preparation of Activated Biochar-Supported Magnetite Composite for Adsorption of Polychlorinated Phenols from Aqueous Solutions. <i>Water (Switzerland)</i> , 2019, 11, 1899.	1.2	20
366	Correlation verification of process factors and harmful gas adsorption properties for optimization of physical activation parameters of PAN-based carbon fibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 152-159.	2.9	5
367	Carbon nanotubes grafted with poly(trimesoyl, m-phenylenediamine) for enhanced removal of phenol. <i>Journal of Environmental Management</i> , 2019, 252, 109660.	3.8	34
368	Ag Nanoparticles Decorated N-Doped Carbon Black as a High-Performance Catalyst for Catalytic Hydrogenation of p-Nitrophenol. <i>Nano</i> , 2019, 14, 1950095.	0.5	2
369	110th Anniversary: Molecular Structure Effects on Mass Transfer of C10 Hydrocarbons in BPL Activated Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15271-15279.	1.8	6
370	Efficient removal of oxytetracycline from aqueous solution using magnetic montmorillonite-biochar composite prepared by one step pyrolysis. <i>Science of the Total Environment</i> , 2019, 695, 133800.	3.9	59
371	New polymeric adsorbent materials used for removal of phenolic derivatives from wastewaters. <i>Pure and Applied Chemistry</i> , 2019, 91, 443-458.	0.9	14
372	Synergistic effect and degradation mechanism on Fe-Ni/CNTs for removal of 2,4-dichlorophenol in aqueous solution. <i>Environmental Science and Pollution Research</i> , 2019, 26, 8768-8778.	2.7	27
373	Performance enhancement of ACF anode for electro-catalytic oxidation of phenol via dual coating of polyaniline and TiO ₂ . <i>Journal of Catalysis</i> , 2019, 370, 470-479.	3.1	15
374	Enhanced removal of ciprofloxacin using humic acid modified hydrogel beads. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 76-83.	5.0	56
375	Selective Separation of Pd(II) on Pyridine-Functionalized Graphene Oxide Prepared by Radiation-Induced Simultaneous Grafting Polymerization and Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24560-24570.	4.0	53
376	Mixed ad/desorption kinetics unraveled with the equilibrium adsorption isotherm. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 709-722.	2.3	16
377	Equilibrium, kinetic and thermodynamic studies of removal of phenol from aqueous solution using surface engineered chemistry. <i>Heliyon</i> , 2019, 5, e01852.	1.4	15
378	PdAu alloy nanoparticles supported on nitrogen-doped carbon black as highly active catalysts for Ullmann coupling and nitrophenol hydrogenation reactions. <i>RSC Advances</i> , 2019, 9, 17812-17823.	1.7	12

#	ARTICLE	IF	CITATIONS
379	Gemini surfactant modified organo-clays for removal of organic pollutants from water: A review. <i>Chemical Engineering Journal</i> , 2019, 375, 121910.	6.6	90
380	Copper and cobalt nanoparticles doped nitrogen-containing carbon frameworks derived from CuO-encapsulated ZIF-67 as high-efficiency catalyst for hydrogenation of 4-nitrophenol. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117792.	10.8	101
381	Corn husk derived magnetized activated carbon for the removal of phenol and para-nitrophenol from aqueous solution: Interaction mechanism, insights on adsorbent characteristics, and isothermal, kinetic and thermodynamic properties. <i>Journal of Environmental Management</i> , 2019, 246, 362-373.	3.8	86
382	Recent Advances in Carbonaceous Photocatalysts with Enhanced Photocatalytic Performances: A Mini Review. <i>Materials</i> , 2019, 12, 1916.	1.3	93
383	Fabrication of magnetic zeolite coated with carbon fiber using pyrolysis products from waste printed circuit boards. <i>Journal of Cleaner Production</i> , 2019, 231, 1149-1157.	4.6	16
384	Immobilization of Andean berry (<i>Vaccinium meridionale</i>) polyphenols on nanocellulose isolated from banana residues: A natural food additive with antioxidant properties. <i>Food Chemistry</i> , 2019, 294, 503-517.	4.2	43
385	High performance removal of phenol from aqueous solution by magnetic chitosan based on response surface methodology and genetic algorithm. <i>Journal of Molecular Liquids</i> , 2019, 285, 146-157.	2.3	86
386	Fe ₃ O ₄ @C Matrix with Tailorable Adsorption Capacities for Paracetamol and Acetylsalicylic Acid: Synthesis, Characterization, and Kinetic Modeling. <i>Molecules</i> , 2019, 24, 1727.	1.7	16
387	Ultrahigh-surface-area activated carbon aerogels derived from glucose for high-performance organic pollutants adsorption. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 333-343.	5.0	75
388	Production of Biochar from Food Waste and its Application for Phenol Removal from Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	58
389	Response surface methodological evaluation and optimization for adsorption removal of ciprofloxacin onto graphene hydrogel. <i>Journal of Molecular Liquids</i> , 2019, 284, 124-130.	2.3	36
390	Removal of Chloroform by Fe/Ni Nanoparticles Supported on Activated Carbon Fibers. <i>Environmental Engineering Science</i> , 2019, 36, 681-689.	0.8	15
391	Novel kinetics model for adsorption of pollutant from wastewaters onto zeolites. Kinetics of phenol adsorption on zeolite-type silicalite. <i>Adsorption Science and Technology</i> , 2019, 37, 349-364.	1.5	7
392	Engineered biochar composites with zeolite, silica, and nano-zerovalent iron for the efficient scavenging of chlortetracycline from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15136-15152.	2.7	69
393	Novel composite material for selective copper(II) detection and removal from aqueous media. <i>Journal of Molecular Liquids</i> , 2019, 283, 772-780.	2.3	245
394	Adsorption mechanism and effect of moisture contents on ciprofloxacin removal by three-dimensional porous graphene hydrogel. <i>Journal of Hazardous Materials</i> , 2019, 374, 195-202.	6.5	81
395	Thermosensitive Microgels-Decorated Magnetic Graphene Oxides for Specific Recognition and Adsorption of Pb(II) from Aqueous Solution. <i>ACS Omega</i> , 2019, 4, 3933-3945.	1.6	20
396	Granular activated carbon supplementation alters the metabolic flux of <i>Clostridium butyricum</i> for enhanced biohydrogen production. <i>Bioresource Technology</i> , 2019, 281, 318-325.	4.8	25

#	ARTICLE	IF	CITATIONS
397	Alkoxy-Group-Functionalized UiO-66 as Highly Efficient Adsorbents for Hydrogen Chloride Removal from Aqueous Solution. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 286-295.	1.0	4
398	Equilibrium, kinetic and thermodynamic studies for dynamic adsorption of benzene in gas phase onto activated carbon produced from <i>elaegnus angustifolia</i> seeds. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102947.	3.3	77
399	Adsorption of p-nitrophenol onto acacia glauca saw dust and waste orange peels activated carbon: application of Taguchi's design of experiment. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	7
400	Phenol removal from aqueous solution using silica and activated carbon derived from rice husk. <i>Water Practice and Technology</i> , 2019, 14, 897-907.	1.0	6
401	Antioxidant Properties of Synthesis Nanometallic Pd-Ni@2- Mercaptoethanol as Effective Catalyst for Suzuki-Miyaura Reactions. <i>Letters in Organic Chemistry</i> , 2019, 17, 36-45.	0.2	3
402	Performance of metal-organic frameworks for the adsorptive removal of potentially toxic elements in a water system: a critical review. <i>RSC Advances</i> , 2019, 9, 34359-34376.	1.7	101
403	Development of a new efficient and economical magnetic sorbent silicone surfactant-based activated carbon for the removal of chloro- and nitro-group phenolic compounds from contaminated water samples. <i>RSC Advances</i> , 2019, 9, 36915-36930.	1.7	14
404	Mono and co-immobilization of imidazolium ionic liquids on silica: effects of the substituted groups on the adsorption behavior of 2,4-dinitrophenol. <i>RSC Advances</i> , 2019, 9, 32425-32434.	1.7	9
405	Fast on-fiber derivatization and GC/MS analysis of phytohormones in wheat based on pencil-type coated carbon fibers. <i>Food Chemistry</i> , 2019, 274, 254-260.	4.2	12
406	Non-linear modeling of kinetic and equilibrium data for the adsorption of hexavalent chromium by carbon nanomaterials: Dimension and functionalization. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 912-919.	1.7	25
407	Kinetics and isotherm modeling of phenol adsorption by immobilizable activated carbon. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 61-82.	0.8	17
408	Phenol adsorption on scoria stone as adsorbent - Application of response surface method and artificial neural networks. <i>Journal of Molecular Liquids</i> , 2019, 274, 699-714.	2.3	57
409	Removal of sulfonamide antibiotics from water by adsorption and persulfate oxidation process. <i>Journal of Molecular Liquids</i> , 2019, 274, 632-638.	2.3	84
410	A novel, initial guess free optimization algorithm for estimating parameters of batch kinetics model used to simulate adsorption of pollutant molecules in aqueous streams. <i>Journal of Molecular Liquids</i> , 2019, 275, 510-522.	2.3	7
411	Metal-organic frameworks (MOFs) for the removal of emerging contaminants from aquatic environments. <i>Coordination Chemistry Reviews</i> , 2019, 380, 330-352.	9.5	447
412	The contribution of oxygen-containing functional groups to the gas-phase adsorption of volatile organic compounds with different polarities onto lignin-derived activated carbon fibers. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7195-7204.	2.7	118
413	Adsorption of congo red dye from aqueous solutions by prepared activated carbon with oxygen-containing functional groups and its regeneration. <i>Adsorption Science and Technology</i> , 2019, 37, 160-181.	1.5	185
414	Adsorption characteristics of oxytetracycline by different fractions of organic matter in sedimentary soil. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5668-5679.	2.7	29

#	ARTICLE	IF	CITATIONS
415	Adsorption isotherm studies on the interaction between polyphenols and apple cell walls: Effects of variety, heating and drying. <i>Food Chemistry</i> , 2019, 282, 58-66.	4.2	43
416	Lead Remediation Using Smart Materials. A Review. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 1377-1409.	1.4	39
417	Adsorption analysis of natural anionic surfactant for enhanced oil recovery: The role of mineralogy, salinity, alkalinity and nanoparticles. <i>Journal of Petroleum Science and Engineering</i> , 2019, 173, 1264-1283.	2.1	169
418	A critical review of the estimation of the thermodynamic parameters on adsorption equilibria. Wrong use of equilibrium constant in the Van't Hoof equation for calculation of thermodynamic parameters of adsorption. <i>Journal of Molecular Liquids</i> , 2019, 273, 425-434.	2.3	1,105
419	Synthesis and Characterization of ZnO Nanorods as an Adsorbent for Cr(VI) Sequestration. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 995-1017.	1.4	29
420	Adsorption of single and mixed haloacetonitriles on silica-based porous materials: Mechanisms and effects of porous structures. <i>Journal of Environmental Sciences</i> , 2019, 79, 346-360.	3.2	9
421	Phenoxyacid pesticide adsorption on activated carbon – Equilibrium and kinetics. <i>Chemosphere</i> , 2019, 214, 349-360.	4.2	64
422	Removal of p-cresol and tylosin from water using a novel composite of alginate, recycled MnO ₂ and activated carbon. <i>Journal of Hazardous Materials</i> , 2019, 364, 419-428.	6.5	50
423	Adsorptive removal of resorcinol onto surface modified ordered mesoporous carbon: Kinetics and equilibrium study. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, S386.	1.3	15
424	Effects of hydrophilic surface macromolecule modifier loading on PES/O-g-C ₃ N ₄ hybrid photocatalytic membrane for phenol removal. <i>Applied Surface Science</i> , 2019, 465, 180-191.	3.1	60
425	Adsorption of phenolic compounds from water by a novel ethylenediamine rosin-based resin: Interaction models and adsorption mechanisms. <i>Chemosphere</i> , 2019, 214, 821-829.	4.2	61
426	Raw lignite as an effective low-cost adsorbent to remove phenol and chlorophenols from aqueous solutions. <i>Separation Science and Technology</i> , 2020, 55, 1741-1751.	1.3	11
427	Highly selective adsorption of vanadium (V) by nano-hydrous zirconium oxide-modified anion exchange resin. <i>Journal of Hazardous Materials</i> , 2020, 384, 121386.	6.5	64
428	Adsorption of triclosan, trichlorophenol and phenol by high-silica zeolites: Adsorption efficiencies and mechanisms. <i>Separation and Purification Technology</i> , 2020, 235, 116152.	3.9	98
429	Efficacy of spent tea waste as chemically impregnated adsorbent involving ortho-phosphoric and sulphuric acid for abatement of aqueous phenol – isotherm, kinetics and artificial neural network modelling. <i>Environmental Science and Pollution Research</i> , 2020, 27, 20629-20647.	2.7	16
430	Ultrasonic-enhanced synthesis of rubber-based hydrogel for waste water treatment: Kinetic, isotherm and reusability studies. <i>Polymer Testing</i> , 2020, 81, 106200.	2.3	11
431	Efficient removal of formaldehyde with ZIF-8 growth on TiO ₂ -coated activated carbon fiber felts prepared via atomic layer deposition. <i>Journal of Materials Science</i> , 2020, 55, 3167-3180.	1.7	20
432	Two-step synthesis of a single-layer grafting self-floating adsorbent for anionic dyes adsorption, surface separation and concentration. <i>Journal of Hazardous Materials</i> , 2020, 384, 121262.	6.5	30

#	ARTICLE	IF	CITATIONS
433	Application and Mechanism of Sludge-Based Activated Carbon for Phenol and Cyanide Removal from Bio-Treated Effluent of Coking Wastewater. <i>Processes</i> , 2020, 8, 82.	1.3	26
434	High Sorption Capacity of U(VI) by COF-Based Material Doping Hydroxyapatite Microspheres: Kinetic, Equilibrium and Mechanism Investigation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1966-1979.	1.9	40
435	Evaluation of the potential of an enzymatically treated beech wood hydrolysate as carbon source for <i>Sulfolobus acidocaldarius</i> . <i>Bioresource Technology Reports</i> , 2020, 9, 100362.	1.5	0
436	Hydrothermal synthesis of structurally variable binary CuAl, MnAl and ternary CuMnAl hydroxides for oxytetracycline antibiotic adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103535.	3.3	35
437	Synthesis and characterization of CuFe ₂ O ₄ /NiMgAl-LDH composite for the efficient removal of oxytetracycline antibiotic. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 139-150.	2.4	32
438	Insight into ex-situ thermal desorption of soils contaminated with petroleum via carbon number-based fraction approach. <i>Chemical Engineering Journal</i> , 2020, 385, 123946.	6.6	38
439	Adsorption kinetic and mechanism of reactive dye on cotton yarns with different wettability in siloxane non-aqueous medium. <i>Journal of the Textile Institute</i> , 2020, 111, 925-933.	1.0	3
440	New insights from modelling and estimation of mass transfer parameters in fixed-bed adsorption of Bisphenol A onto carbon materials. <i>Journal of Contaminant Hydrology</i> , 2020, 228, 103566.	1.6	13
441	Simultaneous regeneration of cathodic activated carbon fiber and mineralization of desorbed contaminations by electro-peroxydisulfate process: Advantages and limitations. <i>Water Research</i> , 2020, 171, 115456.	5.3	47
442	Multimedia-sequencing batch biofilm reactor in treating recycled paper mill effluent containing high level of pentachlorophenol: Long-term performance, mechanism and kinetic studies. <i>Journal of Water Process Engineering</i> , 2020, 37, 101522.	2.6	9
443	Adsorption process and mechanism of acetaminophen onto commercial activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104408.	3.3	82
444	Investigation of chlorinated phenols sorption mechanisms on different layers of the Danube alluvial sediment. <i>Journal of Environmental Sciences</i> , 2020, 98, 134-142.	3.2	2
445	Selective separation of Congo Red from a mixture of anionic and cationic dyes using magnetic-MOF: Experimental and DFT study. <i>Journal of Molecular Liquids</i> , 2020, 318, 114051.	2.3	91
446	Turning date palm waste into carbon nanodots and nano zerovalent iron composites for excellent removal of methylthioninium chloride from water. <i>Scientific Reports</i> , 2020, 10, 16125.	1.6	25
447	Removal of Chromium(VI) by Chitosan Beads Modified with Sodium Dodecyl Sulfate (SDS). <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4745.	1.3	19
448	Design and Validation of Passive Environmental DNA Samplers Using Granular Activated Carbon and Montmorillonite Clay. <i>Environmental Science & Technology</i> , 2020, 54, 11961-11970.	4.6	37
449	Removal of oil from produced water using biosorbent. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 737, 012198.	0.3	9
450	Performance of green antiscalants and their mixtures in controlled calcium carbonate precipitation conditions reproducing industrial cooling circuits. <i>Water Research</i> , 2020, 186, 116334.	5.3	23

#	ARTICLE	IF	CITATIONS
451	In Situ Regeneration of Phenol-Saturated Activated Carbon Fiber by an Electro-peroxymonosulfate Process. <i>Environmental Science & Technology</i> , 2020, 54, 10944-10953.	4.6	58
452	Adsorption and Electrodegradation of Phenoxyacetic Acids on Various Activated Carbons. <i>International Journal of Electrochemical Science</i> , 2020, 15, 5770-5781.	0.5	1
453	Optimization of a Six-Step Pressure Swing Adsorption Process for Biogas Separation on a Commercial Scale. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4692.	1.3	10
454	Adsorption and desorption characteristics of polyphenols from <i>Eucommia ulmoides</i> Oliv. leaves with macroporous resin and its inhibitory effect on α -amylase and α -glucosidase. <i>Annals of Translational Medicine</i> , 2020, 8, 1004-1004.	0.7	23
455	Comparing the efficiency of unmodified dried sludge adsorbents and those modified via chemical and microwave methods in removing 2,4-dinitrophenol from aqueous solutions. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 1521-1530.	1.4	5
456	Comparative Study of Toluene and Hexane Adsorption on Activated Carbons From Gas and Liquid Phase. Enthalpy and Isotherms. <i>Frontiers in Environmental Chemistry</i> , 2020, 1, .	0.7	3
457	Development of a Process for Color Improvement of Low-Grade Dark Maple Syrup by Adsorption on Activated Carbon. <i>ACS Omega</i> , 2020, 5, 21084-21093.	1.6	3
458	Geomaterials as Cost Effective Sorbent to Remove Fluoride from Water. <i>Key Engineering Materials</i> , 0, 870, 107-121.	0.4	5
459	Ultrasonic Regeneration Studies on Activated Carbon Loaded with Isopropyl Alcohol. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7596.	1.3	6
460	High-performance gas-phase adsorption of benzene and toluene on activated carbon: response surface optimization, reusability, equilibrium, kinetic, and competitive adsorption studies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 26191-26210.	2.7	63
461	Facile synthesis of trimethylammonium grafted cellulose foams with high capacity for selective adsorption of anionic dyes from water. <i>Carbohydrate Polymers</i> , 2020, 241, 116369.	5.1	74
462	Enhanced removal of the endocrine disruptor compound Bisphenol A by adsorption onto green-carbon materials. Effect of real effluents on the adsorption process. <i>Journal of Environmental Management</i> , 2020, 266, 110604.	3.8	47
463	Hierarchical porous polymeric ionic liquids with excellent adsorption performance for phenolic compounds. <i>Journal of Molecular Liquids</i> , 2020, 312, 113440.	2.3	33
464	The synthesis of highly active carbon dot-coated gold nanoparticles <i>via</i> the room-temperature <i>in situ</i> carbonization of organic ligands for 4-nitrophenol reduction. <i>RSC Advances</i> , 2020, 10, 19419-19424.	1.7	10
465	Utilization of Biomass Fly Ash for Improving Quality of Organic Dye-Contaminated Water. <i>ACS Omega</i> , 2020, 5, 15850-15864.	1.6	27
466	Metal-organic frameworks as adsorbents for sequestering organic pollutants from wastewater. <i>Materials Chemistry and Physics</i> , 2020, 253, 123246.	2.0	56
467	Adsorption of Cobalt Ion from Aqueous Solution Using Biomaterial of Microalgae <i>Oscillatoria</i> sp Isolated from Teluk Jakarta. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2020, 17, 7-12.	0.1	2
468	Effective adsorption of oxytetracycline from aqueous solution by lanthanum modified magnetic humic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125135.	2.3	21

#	ARTICLE	IF	CITATIONS
469	A low-cost crosslinked polystyrene derived from environmental wastes for adsorption of phenolic compounds from aqueous solution. <i>Journal of Molecular Liquids</i> , 2020, 314, 113641.	2.3	19
470	Environmental remediation in circular economy: End of life tyre magnetic pyrochars for adsorptive removal of pharmaceuticals from aqueous solution. <i>Science of the Total Environment</i> , 2020, 739, 139855.	3.9	19
471	In Situ Cascade Derivation toward a Hierarchical Layered Double Hydroxide Magnetic Absorbent for High-Performance Protein Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4966-4974.	3.2	37
472	Enhanced adsorption of bisphenol A, tylosin, and tetracycline from aqueous solution to nitrogen-doped multiwall carbon nanotubes via cation- π and π - π electron-donor-acceptor (EDA) interactions. <i>Science of the Total Environment</i> , 2020, 719, 137389.	3.9	100
473	Preparation of a Fe-ZSM-5 Adsorbent and Its Selective Adsorption of <i>p</i> -Xylene Performance Exploration. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 2194-2205.	1.0	2
474	Adsorption Properties of Activated Tire Pyrolysis Chars for Phenol and Chlorophenols. <i>Chemical Engineering and Technology</i> , 2020, 43, 770-780.	0.9	12
475	Effects of Straw Returning Combine with Biochar on Water Quality under Flooded Condition. <i>Water (Switzerland)</i> , 2020, 12, 1633.	1.2	5
476	Sandwiched meshes with superwettability for oil/water separation and heavy metal ion absorption. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2542.	0.8	5
477	Innovative spherical biochar for pharmaceutical removal from water: Insight into adsorption mechanism. <i>Journal of Hazardous Materials</i> , 2020, 394, 122255.	6.5	245
478	Pre-concentration by natural adsorbent as plausible tool for effective electro-Fenton removal of micropollutants. <i>Separation and Purification Technology</i> , 2020, 241, 116676.	3.9	4
479	Comparison of the performance of a hydrogel and hybrid graphene oxide with hydrogel to remove iron (III) and phenol from wastewater. <i>Research on Chemical Intermediates</i> , 2020, 46, 2613-2639.	1.3	3
480	Zeolite-based adsorbent from alum sludge residue for textile wastewater treatment. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 2485-2498.	1.8	44
481	Adsorption behavior of a metal organic framework of University in Oslo 67 and its application to the extraction of sulfonamides in meat samples. <i>Journal of Chromatography A</i> , 2020, 1619, 460949.	1.8	26
482	Isotherm and computational fluid dynamics analysis of nickel ion adsorption from aqueous solution using activated carbon. <i>South African Journal of Chemical Engineering</i> , 2020, 32, 5-12.	1.2	24
483	Simultaneous scavenging of persistent pharmaceuticals with different charges by activated carbon fiber from aqueous environments. <i>Chemosphere</i> , 2020, 247, 125909.	4.2	14
484	Scavenging nitrophenol from aquatic effluents with triethyl amine catalyzed ambient pressure dried carbon aerogel. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103670.	3.3	3
485	Ultrasound-assisted adsorption/desorption for the enrichment and purification of flavonoids from baobab (<i>Adansonia digitata</i>) fruit pulp. <i>Ultrasonics Sonochemistry</i> , 2020, 65, 104980.	3.8	46
486	Preparation of high-capacity magnetic polystyrene sulfonate sodium material based on SI-ATRP method and its adsorption property research for sulfonamide antibiotics. <i>BMC Chemistry</i> , 2020, 14, 3.	1.6	13

#	ARTICLE	IF	CITATIONS
487	Laboratory and Field Investigation of Sulfolane Removal from Water Using Activated Carbon. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	0.7	9
488	Nanoscale <i>Pisum sativum</i> pods biochar encapsulated starch hydrogel: A novel nanosorbent for efficient chromium (VI) ions and naproxen drug removal. <i>Bioresource Technology</i> , 2020, 308, 123263.	4.8	76
489	Integral approach for the treatment of phenolic wastewater using gamma irradiation and graphene oxide. <i>Groundwater for Sustainable Development</i> , 2020, 10, 100355.	2.3	4
490	Roles of adsorption and photocatalysis in removing organic pollutants from water by activated carbon-supported titania composites: Kinetic aspects. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 109, 51-61.	2.7	52
491	Feedforward Artificial Neural Network-Based Model for Predicting the Removal of Phenolic Compounds from Water by Using Deep Eutectic Solvent-Functionalized CNTs. <i>Molecules</i> , 2020, 25, 1511.	1.7	11
492	Selective adsorption of organic pigments on inorganically modified mesoporous biochar and its mechanism based on molecular structure. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 21-30.	5.0	50
493	Adsorption/ Regeneration Coupling Process Using Ozone on Cobalt Supported on Activated Carbon for Nitrobenzene Degradation. <i>Ozone: Science and Engineering</i> , 2021, 43, 32-47.	1.4	2
494	Removal of 2,4-dichlorophenol from wastewater by an efficient adsorbent of magnetic activated carbon. <i>Separation Science and Technology</i> , 2021, 56, 252-265.	1.3	15
495	Removal of bisphenol A by adsorption on organically modified clays from Burkina Faso. <i>Bioremediation Journal</i> , 2021, 25, 22-47.	1.0	9
496	Mass Transfer Mechanism and Equilibrium Modelling of Hydroxytyrosol Adsorption on Olive Pit-Derived Activated Carbon. <i>Chemical Engineering Journal</i> , 2021, 404, 126519.	6.6	35
497	Removal of Bisphenol A and 2, 4-Dichlorophenol from Lake Water Using a Flower-Like Covalent Organic Framework. <i>Analytical Letters</i> , 2021, 54, 347-363.	1.0	0
498	Simultaneous adsorption of uranium(VI) and 2-chlorophenol by activated carbon fiber supported/modified titanate nanotubes (TNTs/ACF): Effectiveness and synergistic effects. <i>Chemical Engineering Journal</i> , 2021, 406, 126752.	6.6	89
499	In situ sorption phenomena can mitigate potential negative environmental effects of underground coal gasification (UCG) - an experimental study of phenol removal on UCG-derived residues in the aspect of contaminant retardation. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111710.	2.9	5
500	Chitosan modified nitrogen-doped porous carbon composite as a highly-efficient adsorbent for phenolic pollutants removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125728.	2.3	26
501	Effect of surface chemistry on the uptake of lignin-derived aromatic molecules on ordered mesoporous silica. <i>Microporous and Mesoporous Materials</i> , 2021, 313, 110809.	2.2	1
502	Review on the treatment of organic wastewater by discharge plasma combined with oxidants and catalysts. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2522-2548.	2.7	37
503	Adsorption of iodinated trihalomethanes onto thiol functionalized ZIF-8s: Active adsorption sites, adsorptive mechanisms, and dehalogenation by-products. <i>Science of the Total Environment</i> , 2021, 754, 142376.	3.9	20
504	Porous and ultrafine nitrogen-doped carbon nanofibers from bacterial cellulose with superior adsorption capacity for adsorption removal of low-concentration 4-chlorophenol. <i>Chemical Engineering Journal</i> , 2021, 420, 127411.	6.6	42

#	ARTICLE	IF	CITATIONS
505	Promoting adsorption of organic pollutants via tailoring surface physicochemical properties of biomass-derived carbon-attapulgite. <i>Environmental Science and Pollution Research</i> , 2021, 28, 11106-11118.	2.7	7
506	Enhanced and selective adsorption of urea and creatinine on amine-functionalized mesoporous silica SBA-15 via hydrogen bonding. <i>Microporous and Mesoporous Materials</i> , 2021, 311, 110733.	2.2	26
507	The removal of 3-monochloropropane-1,2-diol ester and glycidyl ester from refined-bleached and deodorized palm oil using activated carbon. <i>RSC Advances</i> , 2021, 11, 16500-16509.	1.7	12
508	Engineered biochar from wood apple shell waste for high-efficient removal of toxic phenolic compounds in wastewater. <i>Scientific Reports</i> , 2021, 11, 2586.	1.6	32
509	Synthesis and Application of Titania Nanotubes and Hydrous Manganese Oxide in Heavy Metal Removal from Aqueous Solution: Characterization, Comparative Study, and Adsorption Kinetics. <i>Theoretical Foundations of Chemical Engineering</i> , 2021, 55, 180-197.	0.2	3
510	Persistent Organic Pollutants (POPs): Sources, Types, Impacts, and Their Remediation. <i>Environmental and Microbial Biotechnology</i> , 2021, , 213-246.	0.4	4
511	Recent Developments in Chitosan-Based Adsorbents for the Removal of Pollutants from Aqueous Environments. <i>Molecules</i> , 2021, 26, 594.	1.7	153
512	Perstraction of phenolic compounds via nonporous PEBA membranes. <i>Separation and Purification Technology</i> , 2021, 257, 117928.	3.9	10
513	Optimize the preparation of Fe ₃ O ₄ -modified magnetic mesoporous biochar and its removal of methyl orange in wastewater. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 179.	1.3	15
514	Removal of phenol and 4-nitrophenol from wastewater using a composite prepared from clay and Cocos nucifera shell: Kinetic, equilibrium and thermodynamic studies. <i>Resources, Environment and Sustainability</i> , 2021, 3, 10020.	2.9	26
515	Activated Carbon from Biomass Sustainable Sources. <i>Journal of Carbon Research</i> , 2021, 7, 39.	1.4	39
516	Utilization of hydrochar derived from waste paper sludge through hydrothermal liquefaction for the remediation of phenol contaminated industrial wastewater. <i>Water Practice and Technology</i> , 0, , .	1.0	7
517	Understanding of mechanisms of organohalogen removal onto mesoporous granular activated carbon with acid-base properties. <i>Microporous and Mesoporous Materials</i> , 2021, 317, 110974.	2.2	12
518	Removal of phenolic contaminants from water by pervaporation. <i>Journal of Membrane Science</i> , 2021, 623, 119043.	4.1	38
519	Insight into adsorption mechanism of Congo red dye onto Bombax Buonopozense bark Activated-carbon using Central composite design and DFT studies. <i>Surfaces and Interfaces</i> , 2021, 23, 100977.	1.5	48
520	A green designed copper-resin composite for highly efficient catalytic reduction of 4-nitrophenol. <i>Colloids and Interface Science Communications</i> , 2021, 42, 100407.	2.0	6
521	Adsorption of p-nitrophenol onto activated carbon prepared from fir sawdust: isotherm studies and error analysis. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 483-500.	0.8	4
522	Combined oxidative degradation of ammonia and phenol by homogeneous UV/S ₂ O ₈ ²⁻ process. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 772, 012073.	0.2	0

#	ARTICLE	IF	CITATIONS
523	A review on surfactant retention on rocks: mechanisms, measurements, and influencing factors. <i>Fuel</i> , 2021, 293, 120459.	3.4	65
524	Super-assembled highly compressible and flexible cellulose aerogels for methylene blue removal from water. <i>Chinese Chemical Letters</i> , 2021, 32, 2091-2096.	4.8	37
525	Effective adsorption of the endocrine disruptor compound bisphenol a from water on surface-modified carbon materials. <i>Applied Surface Science</i> , 2021, 552, 149513.	3.1	32
526	Comprehensive review on surfactant adsorption on mineral surfaces in chemical enhanced oil recovery. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102467.	7.0	87
527	Designing chitosan based magnetic beads with conocarpus waste-derived biochar for efficient sulfathiazole removal from contaminated water. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 6218-6229.	1.8	11
528	Attached culture of <i>Gibberella fujikuroi</i> for biocomposite sorbent production and ciprofloxacin sequestration applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2610-2619.	1.6	6
529	Clofibric acid removal at activated carbon fibers by adsorption and electro-Fenton regeneration – Modeling and limiting phenomena. <i>Electrochimica Acta</i> , 2021, 382, 138283.	2.6	11
530	In-Situ Fabricating Ag Nanoparticles on TiO ₂ for Unprecedented High Catalytic Activity of 4-Nitrophenol Reduction. <i>Catalysis Letters</i> , 2022, 152, 912-920.	1.4	4
531	Strength and Ultrasonic Characteristics of Cemented Paste Backfill Incorporating Foaming Agent. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 681.	0.8	8
532	Fe ₃ O ₄ @NiO core-shell magnetic nanoparticle for highly efficient removal of Alizarin red S anionic dye. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 2899-2912.	1.8	44
533	Incorporation of single-walled carbon nanotubes in ultrafiltration support structure for the removal of steroid hormone micropollutants. <i>Separation and Purification Technology</i> , 2021, 264, 118405.	3.9	18
534	Synthesis of Al/Fe Pillared Bentonite: Characterisation and Analysis of Thermodynamic Parameter. <i>Journal of Physics: Conference Series</i> , 2021, 1933, 012114.	0.3	0
535	A review of technologies for the phenolic compounds recovery and phenol removal from wastewater. <i>Chemical Engineering Research and Design</i> , 2021, 151, 257-289.	2.7	132
536	Synthesis of Al/Ce and Al/Nd hybrid mesoporous gels and their application in competitive adsorption of fluoride ions. <i>Materials Research Express</i> , 2021, 8, 075005.	0.8	1
537	Selective and Adjustable Removal of Phenolic Compounds from Water by Biquaternary Ammonium Polyacrylonitrile Fibers. <i>ACS Omega</i> , 2021, 6, 18836-18847.	1.6	4
538	Surface modification of Carbon-Based Nanoadsorbents for the Advanced Wastewater Treatment. <i>Journal of Molecular Structure</i> , 2021, 1235, 130148.	1.8	43
539	Phosphorus removal from aqueous solution using Al-modified Pisha sandstone. <i>Journal of Cleaner Production</i> , 2021, 308, 127255.	4.6	12
540	Process Optimization and Modeling of Phenol Adsorption onto Sludge-Based Activated Carbon Intercalated MgAlFe Ternary Layered Double Hydroxide Composite. <i>Molecules</i> , 2021, 26, 4266.	1.7	7

#	ARTICLE	IF	CITATIONS
541	A review on physiochemical treatment of sulfolane in aqueous media. Journal of Environmental Chemical Engineering, 2021, 9, 105691.	3.3	8
542	Oxidative and adsorptive removal of chlorophenols over Fe-, N- and S-multi-doped carbon xerogels. Journal of Environmental Chemical Engineering, 2021, 9, 105568.	3.3	9
543	Upgrading of the aqueous product stream from hydrothermal liquefaction: Simultaneous removal of minerals and phenolic components using waste-derived hydrochar. Biomass and Bioenergy, 2021, 151, 106170.	2.9	12
544	Effective adsorptive removal of atrazine herbicide in river waters by a novel hydrochar derived from Prunus serrulata bark. Environmental Science and Pollution Research, 2022, 29, 3672-3685.	2.7	22
545	Upcycling wildfire-impacted boreal peats into porous carbons that efficiently remove phenolic micropollutants. Journal of Environmental Chemical Engineering, 2021, 9, 105305.	3.3	8
546	$\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$	3.0	61
547	Efficient Catalytic Degradation of Phenol with Phthalocyanine-Immobilized Reduced Graphene/Bacterial Cellulose Nanocomposite. Nanomaterials, 2021, 11, 2218.	1.9	0
548	Functional biochar for efficient residue treatment of sulfonylurea herbicides by weak molecular interaction. Biochar, 2021, 3, 545-556.	6.2	7
549	Adsorption, kinetics and thermodynamics of phenol removal by ultrasound-assisted sulfuric acid-treated pea (Pisum sativum) shells. Sustainable Chemistry and Pharmacy, 2021, 22, 100491.	1.6	20
550	Adsorption of pharmaceuticals in a fixed-bed column using tyre-based activated carbon: Experimental investigations and numerical modelling. Journal of Hazardous Materials, 2021, 417, 126010.	6.5	31
551	Sporopollenin supported ionic liquids biosorbent for enhanced selective adsorption of 2,4-dinitrophenol from aqueous environment. Materials Today Communications, 2021, 28, 102587.	0.9	5
552	The effect of head group of surfactant on the adsorption of methyl red onto modified coffee residues. Journal of Molecular Structure, 2022, 1249, 131527.	1.8	15
553	Hexavalent Chromium Removal Using Ionic Liquid Coated Magnetic Nano Zero-Valent Iron Biosynthesized by Camellia sinensis Extract. International Journal of Environmental Research, 2021, 15, 1017-1036.	1.1	3
554	Eupatorium adenophorum derived adsorbent by hydrothermal-assisted HNO ₃ modification and application to Pb ²⁺ adsorption. Journal of Environmental Chemical Engineering, 2021, 9, 105972.	3.3	13
555	A hybrid treatment system for water contaminated with pentachlorophenol: Removal performance and bacterial community composition. Journal of Water Process Engineering, 2021, 43, 102243.	2.6	9
556	Improved photocatalytic activities of recyclable porous Fe ₂ O ₃ nanotubes by modifying with nano-sized SiO ₂ and g-C ₃ N ₄ for degrading 2-chlorophenol. Materials Research Bulletin, 2021, 142, 111416.	2.7	3
557	Effects of acidity on the formation and adsorption activity of tungsten oxide nanostructures prepared via the acid precipitation method. Materials Chemistry and Physics, 2021, 272, 125014.	2.0	10
558	MnO ₂ /carbon nanotube-embedded carbon nanofibers as core-shell cables for high performing asymmetric flexible supercapacitors. Journal of Industrial and Engineering Chemistry, 2021, 103, 142-153.	2.9	20

#	ARTICLE	IF	CITATIONS
559	Removal of Zn(II) and Ni(II) heavy metal ions by new alginic acid-ester derivatives materials. Carbohydrate Polymers, 2021, 272, 118439.	5.1	21
560	Cadmium removal mechanisms from aqueous solution by using recycled lignocelluloses. AEJ - Alexandria Engineering Journal, 2022, 61, 443-457.	3.4	25
561	Metal organic frameworks (MOFs) in aiding water purification from emerging and ionic contaminants. , 2022, , 651-668.		0
562	Partitioning of airborne PAEs on indoor impermeable surfaces: A microscopic view of the sorption process. Journal of Hazardous Materials, 2022, 424, 127326.	6.5	11
563	Nanoconfined Liquid Phase Nanoextraction Based on Carbon Nanofibers. Analytical Chemistry, 2021, 93, 1310-1316.	3.2	12
564	High Performance of Phenol Adsorption using Iron Based SBA-15 Synthesized by Loading-Microwave Method. Oriental Journal of Chemistry, 2019, 35, 1022-1028.	0.1	3
565	A functionalized tannin-chitosan bentonite composite with superior adsorption capacity for Cr(VI). Journal of Polymer Engineering, 2021, 41, 34-43.	0.6	6
566	Gas Phase Adsorption of Benzene Volatile Organic Compound onto Char Produced from Almond Shells: Kinetics, Equilibrium and Thermodynamics. Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, 2019, 8, 1432-1445.	0.1	2
568	Bioremediation of Waste Water from Cadmium Pollution using Silicon Dioxide Nanoparticles and Fungal Biomasses. Journal of Pure and Applied Microbiology, 2019, 13, 1561-1570.	0.3	12
569	Surface engineering of microbial cells: Strategies and applications. Engineered Science, 2018, , .	1.2	11
570	Removal of Cadmium from Industrial Wastewater using Electrocoagulation Process. Engineering Journal, 2020, 26, 24-34.	0.3	7
571	Simulation of Phenol Adsorption in a Packed Bed Column. Journal of Applied Sciences, 2014, 14, 3249-3255.	0.1	2
572	Thermodynamic Analysis of Phenol Adsorption by Powdered Activated Carbon. Daehan Hwan'gyeong Gonghag Hoeji, 2013, 35, 220-225.	0.4	9
573	Phenol Removal by Ozone-Activated Carbon Hybrid Process. Daehan Hwan'gyeong Gonghag Hoeji, 2014, 36, 311-316.	0.4	3
574	Effect of Operating Parameters on Methyl Orange Removal in Catalytic Ozonation. Daehan Hwan'gyeong Gonghag Hoeji, 2017, 39, 412-417.	0.4	1
575	Application of the Sips model to the calculation of maximum adsorption capacity and immersion enthalpy of phenol aqueous solutions on activated carbons. European Journal of Chemistry, 2017, 8, 112-118.	0.3	16
576	Adsorption Isotherm and Thermodynamic Profile of Hexavalent Chromium onto Lumbang (Aleurites) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Research & Review in Biology, 2018, 22, 1-9.	0.4	1
577	Naturally dispersed ash components in bio-carbon composites: integrated ammonia nitrogen removal and specific surface area augment. Biomass Conversion and Biorefinery, 0, , 1.	2.9	1

#	ARTICLE	IF	CITATIONS
578	Simultaneous removal of Basic Blue41 and Basic Red46 dyes in binary aqueous systems via activated carbon from palm bio-waste: Optimization by central composite design, equilibrium, kinetic, and thermodynamic studies. <i>Environmental Technology and Innovation</i> , 2021, 24, 102039.	3.0	14
579	Synthesis, characterization, and textile dye adsorption studies of a kaolin-based polymer layer silicate composite. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	0
580	Determination of lead and cadmium in water samples by magnetic solid-phase extraction with iron oxide@silicon oxide-graphene oxide (Fe ₃ O ₄ @SiO ₂ -GO) hybrid magnetic nanoparticles and microinjection sampling flame atomic absorption spectrometry. <i>Instrumentation Science and Technology</i> , 2022, 50, 288-305.	0.9	4
581	Adsorption and reduction of carcinogenic organics by ordered semi-crystalline poly-m-chloroaniline. <i>High Performance Polymers</i> , 0, , 095400832110443.	0.8	1
582	Sporopollenin supported methylimidazolium ionic liquids based mixed matrix membrane for dispersive membrane micro-extraction of nitro and chloro-substituted phenols from various matrices. <i>Microchemical Journal</i> , 2022, 172, 106936.	2.3	6
583	Effect of Polarities of Aromatic Compounds and Acidic Functional Groups of Carbon Surface on Adsorption. <i>Kagaku Kogaku Ronbunshu</i> , 2012, 38, 102-109.	0.1	3
584	Oxidative coupling and dechlorination of aromatic compounds on modified activated carbon. <i>Tanso</i> , 2013, 2013, 103-109.	0.1	0
585	The Evaluation of Removal Efficiency of Phenol from Aqueous Solutions using Moringa Peregrina Tree Shell Ash. <i>UJBM: Jurnal Bioteknologi dan Lingkungan</i> , 2013, 1, 65-74.	0.1	3
587	Modification of jute by use of triethylenetetramine and its adsorption behavior for copper (II). , 0, , .		0
588	ESTUDO DA ADSORÇÃO DE CHUMBO UTILIZANDO COMO ADSORVENTE BAGAÇO DE CANA-DE-ÁCARA ATIVADO. , 0, , .		1
589	A comparative study for adsorption of carbolic acid by synthetic resins. <i>Membrane Water Treatment</i> , 2015, 6, 439-449.	0.5	0
590	Usowanie fenolu w procesie adsorpcji. <i>Journal of Civil Engineering, Environment and Architecture</i> , 2015, XXXII, 351-362.	0.0	0
591	Pelatihan Kewirausahaan "Pemberdayaan PKK Bibis Luhur RW 22 Sebagai PKK yang Siap Berbisnis". <i>JOH: Journal of Health</i> , 2017, 4, 21.	0.1	0
592	Prospective Sustainability of Utilization of Effective Techniques for Remediation of Heavy Metals From Textile Effluents. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2018, , 19-49.	0.3	1
593	Potencial fitorremediador da <i>Salvinia</i> sp. na remoção de chumbo em efluente sintético. <i>Vértices</i> , 2019, 21, 452-462.	0.1	0
594	Porous activated carbon monoliths as a novel target material for the production of ⁹⁹ Mo by fission. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 330, 1299-1310.	0.7	2
595	Tailoring biochar for persulfate-based environmental catalysis: Impact of biomass feedstocks. <i>Journal of Hazardous Materials</i> , 2022, 424, 127663.	6.5	53
596	Processing of natural fibre and method improvement for removal of endocrine-disrupting compounds. <i>Chemosphere</i> , 2022, 291, 132726.	4.2	16

#	ARTICLE	IF	CITATIONS
597	Prospective Sustainability of Utilization of Effective Techniques for Remediation of Heavy Metals From Textile Effluents. , 2022, , 517-542.		0
598	Confining peroxymonosulfate activation in carbon nanotube intercalated nitrogen doped reduced graphene oxide membrane for enhanced water treatment: The role of nanoconfinement effect. Journal of Colloid and Interface Science, 2022, 608, 2740-2751.	5.0	32
599	Preparation of Activated Carbon Derived from Jordanian Olive Cake and Functionalized with Cu/Cu ₂ O/CuO for Adsorption of Phenolic Compounds from Olive Mill Wastewater. Materials, 2021, 14, 6636.	1.3	12
600	Surfactant Adsorption Isotherms: A Review. ACS Omega, 2021, 6, 32342-32348.	1.6	290
601	Nano chromium embedded in f-CNT supported CoBi-LDH nanocomposites for selective adsorption of Pb ²⁺ and hazardous organic dyes. Chemosphere, 2022, 289, 133073.	4.2	27
602	Simultaneous removal of anionic dyes onto Mg(Al)O mixed metal oxides from ternary aqueous mixture: Derivative spectrophotometry and Density Functional Theory study. Colloids and Interface Science Communications, 2021, 45, 100549.	2.0	6
603	Adsorptive removal of organic pollutants from water by carbon fiber aerogel derived from bacterial cellulose. Journal of Sol-Gel Science and Technology, 2022, 101, 345-355.	1.1	7
604	Fabrication of biochar-based hybrid Ag nanocomposite from algal biomass waste for toxic dye-laden wastewater treatment. Chemosphere, 2022, 289, 133243.	4.2	26
605	A new kinetic model for CO ₂ capture on sodium zirconate (Na ₂ ZrO ₃): An analysis under different flow rates. Journal of CO ₂ Utilization, 2022, 56, 101862.	3.3	6
606	Structural tuning of multishelled hollow microspheres for boosted peroxymonosulfate activation and selectivity: Role of surface superoxide radical. Applied Catalysis B: Environmental, 2022, 305, 121019.	10.8	48
607	Porous carbons for environment remediation. , 2022, , 541-802.		0
608	Electron-Deficient Au Nanoparticles Confined in Organic Molecular Cages for Catalytic Reduction of 4-Nitrophenol. ACS Applied Nano Materials, 2022, 5, 1276-1283.	2.4	21
609	Dual 2-dimensional CuSe/g-C ₃ N ₄ nano-heterostructure for boosting immobilization of elemental mercury in flue gas. Chemical Engineering Journal, 2022, 435, 134696.	6.6	20
610	Activated carbon from biomass waste precursors: Factors affecting production and adsorption mechanism. Chemosphere, 2022, 294, 133764.	4.2	109
611	New nanostructured activated biochar for effective removal of antibiotic ciprofloxacin from wastewater: Adsorption dynamics and mechanisms. Environmental Research, 2022, 210, 112929.	3.7	53
612	A novel Zr-MOF modified by 4,6-Diamino-2-mercaptopyrimidine for exceptional Hg (II) removal. Journal of Water Process Engineering, 2022, 46, 102606.	2.6	7
613	Production and characterization of adsorbents from a hydrothermal char by pyrolysis, carbon dioxide and steam activation. Biomass Conversion and Biorefinery, 2023, 13, 13163-13179.	2.9	2
614	Preparation of antimicrobial activated carbon fiber for adsorption. Journal of Porous Materials, 2022, 29, 1071-1081.	1.3	5

#	ARTICLE	IF	CITATIONS
615	Ultrasonic assisted preparation of ultrafine Pd supported on NiFe-layered double hydroxides for p-nitrophenol degradation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 56178-56199.	2.7	1
616	Preparation of Magnesium Doped Magnetic Nanoferrite and its Clay-Based composite: Application to the Removal of an Anionic Dye from Wastewater. <i>Chemistry Africa</i> , 2022, 5, 589-606.	1.2	3
617	Ionic Liquids as Clay Swelling Inhibitors: Adsorption Study. <i>Energy & Fuels</i> , 2022, 36, 3596-3605.	2.5	12
618	Interaction of N-methylformanilide with high-performance polyimide fibre and its effect on dyeing. <i>Coloration Technology</i> , 2022, 138, 407-416.	0.7	4
619	Cotton linter as biosorbent: removal study of highly diluted crude oil-in-saline water emulsion. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	1
620	Hierarchical porous biochar fabricated by <i>Aspergillus tubingensis</i> pretreatment coupling with chemical activation for Pb (II) removal. <i>Microporous and Mesoporous Materials</i> , 2022, 335, 111861.	2.2	5
621	Spherical covalent organic framework supported Cu/Ag bimetallic nanoparticles with highly catalytic activity for reduction of 4-nitrophenol. <i>Journal of Solid State Chemistry</i> , 2022, 311, 123116.	1.4	15
622	Core-shells of magnetite nanoparticles decorated by SBA-3-SO ₃ H mesoporous silica for magnetic solid phase adsorption of paraquat herbicide from aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128709.	2.3	8
623	Preparation of new MOF-808/chitosan composite for Cr(VI) adsorption from aqueous solution: Experimental and DFT study. <i>Carbohydrate Polymers</i> , 2022, 288, 119383.	5.1	72
624	Cobalt-Carbon Nanoparticles with Silica Support for Uptake of Cationic and Anionic Dyes from Polluted Water. <i>Molecules</i> , 2021, 26, 7489.	1.7	4
626	A review on the adsorption mechanism of different organic contaminants by covalent organic framework (COF) from the aquatic environment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 32566-32593.	2.7	36
627	Optimization of preparation conditions of a novel low-cost natural bio-sorbent from olive pomace and column adsorption processes on the removal of phenolic compounds from olive oil mill wastewater. <i>Environmental Science and Pollution Research</i> , 2022, 29, 80044-80061.	2.7	9
628	Synergistic Degradation of Methylene Blue by Laser Cavitation and Activated Carbon Fiber. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
629	Adsorption Mechanisms of a Novel Cationic Gemini Surfactant onto Different Rocks. <i>Energy & Fuels</i> , 2022, 36, 5737-5748.	2.5	24
630	Polyvalent metal ion adsorption by chemically modified biochar fibers. , 2022, , 267-286.		0
631	Use of Eggshell-Catalyzed Biochar Adsorbents for Pb Removal from Aqueous Solution. <i>ACS Omega</i> , 2022, 7, 21808-21819.	1.6	4
632	A magnetic chitosan for efficient adsorption of vanadium (V) from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2022, 29, 76263-76274.	2.7	3
633	Dispersive Membrane Microextraction of Substituted Phenols from Honey Samples and a Brief Outlook on Its Sustainability Using Analytical Eco-Scale and Analytical GREENness Metric Approach. <i>Membranes</i> , 2022, 12, 649.	1.4	4

#	ARTICLE	IF	CITATIONS
634	Conversion of <i>Syagrus romanzoffiana</i> into High-Efficiency Biosorbent for dye Removal from Synthetic and Real Textile Effluent. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	4
635	Conventional and green-synthesized nanomaterials applied for the adsorption and/or degradation of phenol: A recent overview. <i>Journal of Cleaner Production</i> , 2022, 367, 132980.	4.6	19
636	Synergistic degradation of methylene blue by laser cavitation and activated carbon fiber. <i>Optics and Laser Technology</i> , 2022, 155, 108417.	2.2	2
637	Investigation of black phosphorus anodic catalyst for electrolysis: Degradation of organics via a perchlorate-free oxidant activation. <i>Chemosphere</i> , 2022, 307, 135765.	4.2	1
638	Green Synthesis of Zinc Oxide Nanoparticles Using Red Seaweed for the Elimination of Organic Toxic Dye from an Aqueous Solution. <i>Materials</i> , 2022, 15, 5169.	1.3	34
639	Construction of Perylene-based Amphiphilic Micelle and Its Efficient Adsorption and In-situ Photodegradation of Bisphenol A in Aqueous Solution. <i>Angewandte Chemie</i> , 0, , .	1.6	0
640	Construction of Perylene-based Amphiphilic Micelle and Its Efficient Adsorption and In Situ Photodegradation of Bisphenol A in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	12
641	Adsorption behaviour of tetrabromobisphenol A on sediments in Weihe River Basin in Northwest China. <i>Environmental Science and Pollution Research</i> , 2023, 30, 6604-6611.	2.7	1
642	Toxicity and decontamination strategies of Congo red dye. <i>Groundwater for Sustainable Development</i> , 2022, 19, 100844.	2.3	49
643	Sulfur Adsorption on Lanxess Lewatit® Af 5 Catalyst During the Acidic Albion Leaching Process: Kinetics, Adsorption Isotherms and Thermodynamics. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
644	On-Line Fractionated Strategy of Complex Sample for Reducing Matrix Effects in ESI-MS by Tandem Carbon Microfibers Columns. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
645	Investigation of Chromate Adsorption Efficacy on Organo-Bentonite as Potential In-Situ Adsorbent for Groundwater Remediation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
646	Nano-metal oxides-activated carbons for dyes removal: A review. <i>Materials Today: Proceedings</i> , 2023, 77, 19-30.	0.9	16
647	Adsorptive Analysis of Azo Dyes on Activated Carbon Prepared from <i>Phyllanthus emblica</i> Fruit Stone Sequentially via Hydrothermal Treatment. <i>Agronomy</i> , 2022, 12, 2134.	1.3	2
648	Removal of Thallium from Aqueous Solutions by Adsorption onto Alumina Nanoparticles. <i>Processes</i> , 2022, 10, 1826.	1.3	4
649	Adsorption of phenol on kenaf-derived biochar: studies on physicochemical and adsorption characteristics and mechanism. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 9621-9638.	2.9	3
650	Hydrothermal synthesis of 3D cauliflower anatase TiO ₂ and bio sourced activated carbon: adsorption and photocatalytic activity in real water matrices. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-16.	1.8	4
651	Synthesis of Ag-nanoparticles and their application in treatment of waste water. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0

#	ARTICLE	IF	CITATIONS
652	Solid-State Synthesis of Organoclays: Physicochemical Properties and Application for Bisphenol A Removal from Aqueous Solutions. , 0, , .		0
653	Kinetics, adsorption isotherms, thermodynamics, and desorption studies of cadmium removal from aqueous solutions using bamboo sawdust/rice husk biochar. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9367-9379.	2.9	6
654	Investigation of chromate adsorption efficacy on organo-bentonite as potential in-situ adsorbent for groundwater remediation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108778.	3.3	5
655	Use of tandem carbon microfiber columns for on-line fractionation strategy of reducing ion suppression effects in electrospray ionization-mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1685, 463641.	1.8	2
656	Effective adsorption of tannic acid by porous dual crosslinked soy protein isolate-alginate hybrid spheres from aqueous solution. <i>Chemical Engineering Research and Design</i> , 2023, 189, 250-261.	2.7	7
657	Black-wattle tannin/kraft lignin H3PO4-activated carbon xerogels as excellent and sustainable adsorbents. <i>International Journal of Biological Macromolecules</i> , 2023, 227, 58-70.	3.6	3
658	Research on advanced treatment of phenolic chemical wastewater and carbon replacement by the multi-layer biological activated carbon filter. <i>Journal of Water Process Engineering</i> , 2023, 51, 103388.	2.6	3
659	Impact of cell wall adsorption behaviours on phenolic stability under air drying of blackberry with and without contact ultrasound assistance. <i>Food Hydrocolloids</i> , 2023, 137, 108312.	5.6	8
660	Solvent-Free Mechanochemical Preparation of Metal-Organic Framework ZIF-67 Impregnated by Pt Nanoparticles for Water Purification. <i>Catalysts</i> , 2023, 13, 9.	1.6	13
661	Polymerization and Applications of Poly(methyl methacrylate)â€“Graphene Oxide Nanocomposites: A Review. <i>ACS Omega</i> , 2022, 7, 47490-47503.	1.6	8
662	Graphene oxide crosslinked chitosan composites for enhanced adsorption of cationic dye from aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2023, 142, 104678.	2.7	13
663	Review of Performance enhancement of anaerobic digestion with the aid of biochar and future perspectives. <i>Journal of Renewable and Sustainable Energy</i> , 0, , .	0.8	2
664	Phenol removal from aqueous environments by natural & chemically modified kaolin clay. <i>Environmental Quality Management</i> , 2023, 32, 119-135.	1.0	2
665	Phenolic Compounds Removal from Olive Mill Wastewater Using the Composite of Activated Carbon and Copper-Based Metal-Organic Framework. <i>Materials</i> , 2023, 16, 1159.	1.3	1
666	Adsorption of sulfur on Lanxess Lewatit® AF 5 resin during the acidic albion leaching process for chalcopyrite. <i>Heliyon</i> , 2023, 9, e13112.	1.4	1
667	Integration of carbon microcapsules with beef omasum like shells by interconnected Macropores for removal of phenol from aqueous solution. <i>Chemical Engineering Journal</i> , 2023, 465, 142827.	6.6	2
668	A review on covalent organic frameworks as adsorbents for organic pollutants. <i>Journal of Cleaner Production</i> , 2023, 400, 136737.	4.6	28
669	Adsorption of RhB dye on soy protein isolate-based double network spheres: Compromise between the removal efficiency and the mechanical strength. <i>Chemical Engineering Research and Design</i> , 2023, 193, 268-280.	2.7	2

#	ARTICLE	IF	CITATIONS
670	Roles of molecular structure of carbon-based materials in energy storage. <i>Materials Today Sustainability</i> , 2023, 22, 100375.	1.9	3
671	A paradigm increase in adsorption efficiency during separation of some styrylpyridinium dyes from organic media using graphene oxide modified silica (GOMS) scaffold. <i>Materials Today Communications</i> , 2023, 35, 105896.	0.9	1
672	New insight into desorption behavior and mechanism of oil from aged oil-contaminated soil in microemulsion. <i>Journal of Hazardous Materials</i> , 2023, 451, 131108.	6.5	5
673	Adsorption reduction of a gemini surfactant on carbonate rocks using formic acid: Static and dynamic conditions. <i>Fuel</i> , 2023, 345, 128166.	3.4	12
674	Comparison of activated carbon and low-cost adsorbents for removal of 2,4-dichlorophenol from wastewater using Aspen Adsorption and response surface methodology. <i>Environmental Technology (United Kingdom)</i> , 0, , 1-19.	1.2	1
675	Double-edged sword effect of nano-biochar for Cd ²⁺ adsorption on zeolite. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109901.	3.3	7
676	Fluoride ion adsorption isotherms, kinetics, and thermodynamics on iron(III) oxyhydroxide powders containing cellulose nanofibrils. <i>Environmental Science and Pollution Research</i> , 2023, 30, 48201-48210.	2.7	4
677	PdCu alloy prepared by ultrasonic method catalyzes the degradation of p-nitrophenol. <i>Environmental Science and Pollution Research</i> , 2023, 30, 48449-48459.	2.7	1
678	Supramolecular self-assembling hydrogel film based on a polymer blend of chitosan/partially hydrolyzed polyacrylamide for removing cationic dye from water. <i>Reactive and Functional Polymers</i> , 2023, 185, 105537.	2.0	7
679	Phenol Degradation Performance in Batch and Continuous Reactors with Immobilized Cells of <i>Pseudomonas putida</i> . <i>Processes</i> , 2023, 11, 739.	1.3	1
680	A green extraction method based on carbon nitride sorbent for the simultaneous determination of free and conjugated estrogens in milk. , 2023, 5, 100055.		1
681	Carbon Dots/Silica Nanoaggregates for Highly Efficient Adsorption of Alizarin Red S and Malachite Green Dyes. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
682	Adsorptive properties of highly porous activated carbon from aÃ§aÃ§-(<i>Euterpe oleracea</i>) towards the toxic herbicide atrazine. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109966.	3.3	7
683	Enhanced ultrasonic adsorption of pesticides onto the optimized surface area of activated carbon and biochar: adsorption isotherm, kinetics, and thermodynamics. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	1
709	Adsorption of phenol from aqueous solution using granular activated carbon from walnut shell. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
714	Phenothiazine dyes removal from water by activated carbon developed from hydrothermally treated <i>Phyllanthus emblica</i> fruit stones. , 2024, , 357-373.		0
721	Preparation of Rice Paddy Stalks-Based Activated Carbon to Remove Phenol from Aqueous Solutions. <i>Water Resources Development and Management</i> , 2023, , 675-685.	0.3	0
724	Natural polymer-based aerogels for filtration applications. , 2024, , 205-229.		0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------