

Fuat Gzel

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

2,057
citations

19
h-index

45
g-index

46
ext. papers

2,250
ext. citations

5.1
avg. IF

5.51
L-index

#	Paper	IF	Citations
45	Removal of copper, nickel, cobalt and manganese from aqueous solution by kaolinite. <i>Water Research</i> , 2003 , 37, 948-52	12.5	593
44	High surface area mesoporous activated carbon from tomato processing solid waste by zinc chloride activation: process optimization, characterization and dyes adsorption. <i>Journal of Cleaner Production</i> , 2016 , 113, 995-1004	10.3	247
43	Conversion of grape industrial processing waste to activated carbon sorbent and its performance in cationic and anionic dyes adsorption. <i>Journal of Cleaner Production</i> , 2015 , 93, 84-93	10.3	156
42	Determination of kinetic and equilibrium parameters of the batch adsorption of Mn(II), Co(II), Ni(II) and Cu(II) from aqueous solution by black carrot (<i>Daucus carota</i> L.) residues. <i>Journal of Hazardous Materials</i> , 2008 , 153, 1275-87	12.8	132
41	Optimal oxidation with nitric acid of biochar derived from pyrolysis of weeds and its application in removal of hazardous dye methylene blue from aqueous solution. <i>Journal of Cleaner Production</i> , 2017 , 144, 260-265	10.3	97
40	Kinetics of the adsorption of reactive dyes by chitin. <i>Dyes and Pigments</i> , 2007 , 73, 168-177	4.6	94
39	Effective removal of tetracycline from aqueous solution using activated carbon prepared from tomato (<i>Lycopersicon esculentum</i> Mill.) industrial processing waste. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 131, 22-9	7	86
38	Kinetics and thermodynamics of the adsorption of some dyestuffs and p-nitrophenol by chitosan and MCM-chitosan from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2004 , 274, 398-412	9.3	77
37	New low-cost nanoporous carbonaceous adsorbent developed from carob (<i>Ceratonia siliqua</i>) processing industry waste for the adsorption of anionic textile dye: Characterization, equilibrium and kinetic modeling. <i>Journal of Molecular Liquids</i> , 2015 , 206, 244-255	6	56
36	Elimination of anionic dye by using nanoporous carbon prepared from an industrial biowaste. <i>Journal of Molecular Liquids</i> , 2014 , 194, 130-140	6	52
35	Performance of new mesoporous carbon sorbent prepared from grape industrial processing wastes for malachite green and congo red removal. <i>Chemical Engineering Research and Design</i> , 2015 , 100, 27-38	5.5	48
34	Rate studies on the adsorption of some dyestuffs and p-nitrophenol by chitosan and monocarboxymethylated(mcm)-chitosan from aqueous solution. <i>Journal of Hazardous Materials</i> , 2005 , 118, 141-54	12.8	47
33	APPLICATION OF SOME DOMESTIC WASTES AS NEW LOW-COST BIOSORBENTS FOR REMOVAL OF METHYLENE BLUE: KINETIC AND EQUILIBRIUM STUDIES. <i>Chemical Engineering Communications</i> , 2014 , 201, 557-578	2.2	45
32	Kinetics and thermodynamics of the adsorption of some dyestuffs from aqueous solution by poplar sawdust. <i>Bioresource Technology</i> , 2008 , 99, 2009-17	11	36
31	Decolorisation of aqueous crystal violet solution by a new nanoporous carbon: Equilibrium and kinetic approach. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3375-3386	6.3	34
30	Adsorption of some highly toxic dyestuffs from aqueous solution by chitin and its synthesized derivatives. <i>Desalination</i> , 2009 , 249, 1115-1123	10.3	27
29	Adsorptive efficacy analysis of novel carbonaceous sorbent derived from grape industrial processing wastes towards tetracycline in aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 60, 236-240	5.3	24

28	Development and physicochemical characterization of a new magnetic nanocomposite as an economic antibiotic remover. <i>Chemical Engineering Research and Design</i> , 2015 , 94, 441-451	5.5	23
27	Bioremoval and recovery of Cu(II) and Pb(II) from aqueous solution by a novel biosorbent watermelon (<i>Citrullus lanatus</i>) seed hulls: Kinetic study, equilibrium isotherm, SEM and FTIR analysis. <i>Desalination and Water Treatment</i> , 2013 , 51, 7311-7322		20
26	Chemical modification of a cellulose-based material to improve its adsorption capacity for anionic dyes. <i>Journal of Dispersion Science and Technology</i> , 2017 , 38, 381-392	1.5	19
25	Role of optimization parameters in the production of nanoporous carbon from mandarin shells by microwave-assisted chemical activation and utilization as dye adsorbent. <i>Advanced Powder Technology</i> , 2018 , 29, 2108-2118	4.6	19
24	Determination of lead separated selectively with ion exchange method from solution onto BCW in Sirtak, East Anatolia of Turkey. <i>Microchemical Journal</i> , 2011 , 98, 246-253	4.8	14
23	Usability of activated carbon with well-developed mesoporous structure for the decontamination of malachite green from aquatic environments: kinetic, equilibrium and regeneration studies. <i>Journal of Porous Materials</i> , 2018 , 25, 477-488	2.4	13
22	The Effect of Surface Acidity upon the Adsorption Capacities of Activated Carbons. <i>Separation Science and Technology</i> , 1996 , 31, 283-290	2.5	13
21	Optimization of Copper and Lead Removal by a Novel Biosorbent: Cucumber (<i>Cucumis Sativus</i>) Peels Kinetic, Equilibrium, and Desorption Studies. <i>Journal of Dispersion Science and Technology</i> , 2013 , 34, 1295-1307	1.5	12
20	Novel and sustainable precursor for high-quality activated carbon preparation by conventional pyrolysis: Optimization of produce conditions and feasibility in adsorption studies. <i>Advanced Powder Technology</i> , 2018 , 29, 726-736	4.6	10
19	Synthesis, characterization, and lead (II) sorption performance of a new magnetic separable composite: MnFe ₂ O ₄ @wild plants-derived biochar. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104567	6.8	10
18	Surface modification of black tea waste using bleaching technique for enhanced biosorption of Methylene blue in aqueous environment. <i>Separation Science and Technology</i> , 2018 , 53, 2882-2895	2.5	7
17	Evaluation of Pomegranate (<i>Punica Granatum L.</i>) Pulp for the Removal of Copper(II) Ions: Kinetic, Equilibrium, and Desorption Studies. <i>Journal of Dispersion Science and Technology</i> , 2014 , 35, 482-493	1.5	7
16	Using grape pulp as a new alternative biosorbent for removal of a model basic dye. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2014 , 9, 214-225	1.3	6
15	Uptake of anionic and cationic dyes by highly effective porous carbon adsorber based on industrial processing residues. <i>Separation Science and Technology</i> , 2018 , 53, 1465-1475	2.5	5
14	Preparation and Characterization of Polyoxometallates of Molybdenum, Tungsten and Their Salts. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1997 , 27, 1399-1415		5
13	Lead recovery from aqueous environment by using porous carbon of citrus fruits waste: equilibrium, kinetics and thermodynamic studies. <i>Separation Science and Technology</i> , 2020 , 55, 2699-2712	2.5	5
12	Performance of grape (<i>Vitis vinifera L.</i>) industrial processing solid waste derived nanoporous carbon in copper(II) removal. <i>Biomass Conversion and Biorefinery</i> , 2021 , 11, 1363-1373	2.3	4
11	Using of magnetized and non-magnetized tomato industrial processing solid waste in remediation of Reactive Blue 19 dye aqueous solution. <i>International Journal of Phytoremediation</i> , 2020 , 22, 1420-1430	3.9	3

10	Behavior of mesoporous activated carbon used as a remover in Congo red adsorption process. <i>Water Science and Technology</i> , 2017 , 2017, 170-183	2.2	3
9	Characterization of the Micropore Structure of Activated Carbons by Adsorptions of Nitrogen and Some Hydrocarbons. <i>Separation Science and Technology</i> , 1999 , 34, 587-597	2.5	3
8	Sorptive removal of copper(II) from water by biochar produced from a novel sustainable feedstock: wild herbs. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 995-1005	5.1	2
7	Determination of Surface Areas of Active Carbons by Retention of Ethylene Glycol and Ethylene Glycol Monoethyl Ether. <i>Separation Science and Technology</i> , 1996 , 31, 1687-1693	2.5	1
6	Use of new nanoporous carbon produced from Mandarin (<i>Citrus reticulata</i>) industrial processing waste to remove anionic and cationic dyes. <i>Separation Science and Technology</i> , 2021 , 56, 1001-1013	2.5	1
5	Conversion of citrus industrial processing solid residues to well-developed mesoporous powder-activated carbon and its some water pollutant removal performance. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
4	Adsorptive removal of diclofenac sodium from aqueous solution via industrial processed citrus solid waste based activated carbon: optimization, kinetics, equilibrium, thermodynamic, and reusability analyses. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
3	Use of a novel bio-magnetic nanocomposite synthesized from industrial tomato processing waste for methylene blue removal: sorption optimization, kinetic and isotherm studies. <i>Cellulose</i> , 2020 , 27, 9577-9591	5.5	
2	On the performance of wild plant-derived biochar@MnFe ₂ O ₄ composite in remediation of synthetic aqueous copper solution. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	
1	Performance of wild plants-derived biochar in the remediation of water contaminated with lead: sorption optimization, kinetics, equilibrium, thermodynamics and reusability studies. <i>International Journal of Phytoremediation</i> , 2021 , 1-10	3.9	