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List of Publications by Year in Descending Order

259 papers	12,256 citations	62 h-index	99 g-index
267 ext. papers	14,984 ext. citations	6 avg, IF	7.09 L-index

#	Paper	IF	Citations
259	Process Parameters Optimization, Characterization, and Application of KOH-Activated Norway Spruce Bark Graphitic Biochars for Efficient Azo Dye Adsorption.. *Molecules*, **2022**, 27,	4.8	8
258	Pitahaya Fruit (Hylocereus spp.) Peels Evaluation for Removal of Pb(II), Cd(II), Co(II), and Ni(II) from the Waters. *Sustainability*, **2022**, 14, 1685	3.6	1
257	High surface area acid-treated biochar from pomegranate husk for 2,4-dichlorophenol adsorption from aqueous solution.. *Chemosphere*, **2022**, 295, 133850	8.4	0
256	Green metal-organic frameworks (MOFs) for biomedical applications. *Microporous and Mesoporous Materials*, **2022**, 111670	5.3	7
255	Biosynthesis of SiO nanoparticles using extract of Nerium oleander leaves for the removal of tetracycline antibiotic. *Chemosphere*, **2022**, 287, 132453	8.4	8
254	Cosorption of Zn(II) and chlortetracycline onto montmorillonite: pH effects and molecular investigations. *Journal of Hazardous Materials*, **2022**, 424, 127368	12.8	0
253	Green products from herbal medicine wastes by subcritical water treatment. *Journal of Hazardous Materials*, **2022**, 424, 127294	12.8	3
252	Green porous benzamide-like nanomembranes for hazardous cations detection, separation, and concentration adjustment. *Journal of Hazardous Materials*, **2022**, 423, 127130	12.8	9
251	Comments on "Removal of methylene blue dye using nano zerovalent iron, nanoclay and iron impregnated nanoclay - a comparative study" by M. M. Tarekegn, R. M. Balakrishnan, A. M. Hiruy and A. H. Dekebo, , 2021, , 30109.. *RSC Advances*, **2022**, 12, 5769-5771	3.7	0
250	Bioactive hybrid metal-organic framework (MOF)-based nanosensors for optical detection of recombinant SARS-CoV-2 spike antigen.. *Science of the Total Environment*, **2022**, 153902	10.2	2
249	Synthesis of green benzamide-decorated UiO-66-NH for biomedical applications.. *Chemosphere*, **2022**, 299, 134359	8.4	0
248	Outstanding Performance of a New Exfoliated Clay Impregnated with Rutile TiO2 Nanoparticles Composite for Dyes Adsorption: Experimental and Theoretical Studies. *Coatings*, **2022**, 12, 22	2.9	1
247	Green CoNi2S4/porphyrin decorated carbon-based nanocomposites for genetic materials detection. *Journal of Bioresources and Bioproducts*, **2021**, 6, 215-222	18.7	22
246	Transforming agricultural waste into adsorbent: application of Fagopyrum esculentum wheat husks treated with H2SO4 to adsorption of the 2,4-D herbicide. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106872	6.8	0
245	Preparation of activated carbon from the residues of the mushroom (Agaricus bisporus) production chain for the adsorption of the 2,4-dichlorophenoxyacetic herbicide. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106843	6.8	4
244	Sustainable nanotechnology based wastewater treatment strategies: achievements, challenges and future perspectives. *Chemosphere*, **2021**, 132606	8.4	3
243	Thermodynamic parameters of liquid–phase adsorption process calculated from different equilibrium constants related to adsorption isotherms: A comparison study. *Journal of Environmental Chemical Engineering*, **2021**, 106674	6.8	17

242	Comparison of Heavy Metals Removal from Aqueous Solution by Moringa oleifera Leaves and Seeds. *Coatings*, **2021**, 11, 508	2.9	7
241	Coupling of electrocoagulation and powder activated carbon for the treatment of sustainable wastewater. *Environmental Science and Pollution Research*, **2021**, 28, 48505-48516	5.1	6
240	Chitin-psyllium based aerogel for the efficient removal of crystal violet from aqueous solutions. *International Journal of Biological Macromolecules*, **2021**, 179, 366-376	7.9	10
239	Tailor made Functional Zeolite as Sustainable Potential Candidates for Catalytic Cracking of Heavy Hydrocarbons. *Catalysis Letters*, **2021**, 1	2.8	1
238	Process modeling, characterization, optimization, and mechanisms of fluoride adsorption using magnetic agro-based adsorbent. *Journal of Environmental Management*, **2021**, 286, 112173	7.9	21
237	Synthesis of a novel nanocomposite based on date stones/CuFe2O4 nanoparticles for eliminating cationic and anionic dyes from aqueous solution. *International Journal of Environmental Studies*, **2021**, 1-19	1.8	8
236	Metal-organic and Zeolitic imidazole frameworks as cationic dye adsorbents: physicochemical optimizations by parametric modeling and kinetic studies. *Journal of Molecular Liquids*, **2021**, 332, 115832	6	9
235	A theoretical probe into the effects of material and operational variables on water purification with zeolite membranes. *Microporous and Mesoporous Materials*, **2021**, 320, 111070	5.3	3
234	Comparative effects of conventional and nano-enabled fertilizers on morphological and physiological attributes of Caesalpinia bonducella plants. *Journal of the Saudi Society of Agricultural Sciences*, **2021**, 21, 61-61	3.3	3
233	Preparation and Application of Efficient Biobased Carbon Adsorbents Prepared from Spruce Bark Residues for Efficient Removal of Reactive Dyes and Colors from Synthetic Effluents. *Coatings*, **2021**, 11, 772	2.9	15
232	Conventional and Microwave Pyrolysis for Preparation of Sewage Sludge- Activated Carbons for Pharmaceuticals Removal: A Mini-Review. *Mini-Reviews in Organic Chemistry*, **2021**, 18, 412-421	1.7	0
231	Coupling of attrition and accelerated carbonation for CO2 sequestration in recycled concrete aggregates. *Cleaner Engineering and Technology*, **2021**, 3, 100106	2.7	3
230	Comments on Reasonable calculation of the thermodynamic parameters from adsorption equilibrium constant, Journal of Molecular Liquids 322 (2021) 114980. *Journal of Molecular Liquids* , **2021**, 334, 116542	6	7
229	High removal of emerging contaminants from wastewater by activated carbons derived from the shell of cashew of Para. *Carbon Letters*, **2021**, 31, 13-28	2.3	14
228	Facile fabrication of hybrid titanium(IV) isopropoxide/pozzolan nanosheets (TnS-Pz) of high photocatalytic activity: characterization and application for Cr(VI) reduction in an aqueous solution. *Environmental Science and Pollution Research*, **2021**, 28, 23568-23581	5.1	3
227	Comment on "Removal of Cr from tanning effluents by adsorption onto phosphate mine waste: Key parameters and mechanisms". *Journal of Hazardous Materials*, **2021**, 401, 123358	12.8	1
226	Removal of micropollutants from municipal wastewater using different types of activated carbons. *Journal of Environmental Management*, **2021**, 278, 111302	7.9	43
225	SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. *Environmental Research*, **2021**, 193, 110265	7.9	69

224	Microplastics physicochemical properties, specific adsorption modeling and their interaction with pharmaceuticals and other emerging contaminants. *Science of the Total Environment*, **2021**, 753, 141981	10.2	30
223	Purification and economic analysis of nanoclay from bentonite. *Environmental Science and Pollution Research*, **2021**, 28, 13690-13696	5.1	2
222	Is one performing the treatment data of adsorption kinetics correctly?. *Journal of Environmental Chemical Engineering*, **2021**, 9, 104813	6.8	59
221	Fabrication of activated carbon from pomegranate husk by dual consecutive chemical activation for 4-chlorophenol adsorption. *Environmental Science and Pollution Research*, **2021**, 28, 13919-13930	5.1	7
220	Application of a heterogeneous physical model for the adsorption of Cd2+, Ni2+, Zn2+ and Cu2+ ions on flamboyant pods functionalized with citric acid. *Chemical Engineering Journal*, **2021**, 417, 127975	14.7	15
219	Adsorption: Fundamental aspects and applications of adsorption for effluent treatment **2021**, 41-88		7
218	An overview of geological originated materials as a trend for adsorption in wastewater treatment. *Geoscience Frontiers*, **2021**, 101150	6	5
217	Facile synthesis of muscovite□supported Fe3O4 nanoparticles as an adsorbent and heterogeneous catalyst for effective removal of methyl orange: Characterisation, modelling, and mechanism. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 119, 146-157	5.3	12
216	A Short Review on the Electrochemical Performance of Hierarchical and Nitrogen-Doped Activated Biocarbon-Based Electrodes for Supercapacitors. *Nanomaterials*, **2021**, 11,	5.4	17
215	Adsorption mechanism of Zn, Ni, Cd, and Cu ions by carbon-based adsorbents: interpretation of the adsorption isotherms via physical modelling. *Environmental Science and Pollution Research*, **2021**, 28, 30943-30954	5.1	21
214	Theoretical interpretation of the adsorption of amoxicillin on activated carbon via physical model. *Environmental Science and Pollution Research*, **2021**, 28, 30714-30721	5.1	4
213	Adsorption of 3-aminophenol and resorcinol on avocado seed activated carbon: Mathematical modelling, thermodynamic study and description of adsorbent performance. *Journal of Molecular Liquids*, **2021**, 342, 116952	6	4
212	Composite carbon materials from winery composted waste for the treatment of effluents contaminated with ketoprofen and 2-nitrophenol. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105421	6.8	13
211	Cr(VI) adsorption onto a new composite prepared from Meidum black clay and pomegranate peel extract: Experiments and physicochemical interpretations. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105352	6.8	10
210	Adsorption onto zeolites: molecular perspective. *Chemical Papers*, **2021**, 75, 6217	1.9	1
209	Green synthesis of ZnO nanoparticles from Syzygium Cumini leaves extract with robust photocatalysis applications. *Journal of Molecular Liquids*, **2021**, 335, 116567	6	29
208	Preparation of hybrids of wood sawdust with 3-aminopropyl-triethoxysilane. Application as an adsorbent to remove Reactive Blue 4 dye from wastewater effluents. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 125, 141-152	5.3	24
207	Synthesis of Zeolite supported bimetallic catalyst and application in n-hexane hydro-isomerization using supercritical CO2. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105206	6.8	4

206	Combination of tertiary solar photo-Fenton and adsorption processes in the treatment of hospital wastewater: The removal of pharmaceuticals and their transformation products. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105666	6.8	9
205	Hydrothermally engineered NiCuC hybrid nanocomposites: Structural and morphological investigations with potential fuel catalytic applications. *Materials Chemistry and Physics*, **2021**, 270, 124837	4.1	4
204	Global soil pollution by toxic elements: Current status and future perspectives on the risk assessment and remediation strategies - A review. *Journal of Hazardous Materials*, **2021**, 417, 126039	12.8	50
203	New insights into the surface oxidation role in enhancing Congo red dye uptake by Egyptian ilmenite ore: Experiments and physicochemical interpretations. *Surfaces and Interfaces*, **2021**, 26, 101316	4.1	1
202	Comparison of acidic leaching using a conventional and ultrasound-assisted method for preparation of magnetic-activated biochar. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105865	6.8	9
201	Environmental and health impacts of spraying COVID-19 disinfectants with associated challenges. *Environmental Science and Pollution Research*, **2021**, 1	5.1	3
200	Catalytic Activity of Pt Loaded Zeolites for Hydroisomerization of n-Hexane Using Supercritical CO2. *Industrial & Engineering Chemistry Research*, **2020**, 59, 22092-22106	3.9	22
199	Comparison of the nonlinear and linear forms of the van't Hoff equation for calculation of adsorption thermodynamic parameters (S° and H°). *Journal of Molecular Liquids*, **2020**, 311, 113315	6	62
198	Conductive polymers in water treatment: A review. *Journal of Molecular Liquids*, **2020**, 312, 113447	6	54
197	Utilization of Pacara Earpod tree (Enterolobium contortisilquum) and Ironwood (Caesalpinia leiostachya) seeds as low-cost biosorbents for removal of basic fuchsin. *Environmental Science and Pollution Research*, **2020**, 27, 33307-33320	5.1	19
196	Thermodynamic and kinetic study of synthesised graphene oxide-CuO nanocomposites: A way forward to fuel additive and photocatalytic potentials. *Journal of Molecular Liquids*, **2020**, 313, 113494	6	57
195	Peanut shells-derived biochars prepared from different carbonization processes: Comparison of characterization and mechanism of naproxen adsorption in water. *Science of the Total Environment*, **2020**, 726, 137828	10.2	65
194	Efficient adsorbent based on construction and demolition wastes functionalized with 3-aminopropyltriethoxysilane (APTES) for the removal ciprofloxacin from hospital synthetic effluents. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103875	6.8	31
193	Adsorption of Procion Red MX-5B dye from aqueous solution using homemade peach and commercial activated carbons. *Applied Water Science*, **2020**, 10, 1	5	9
192	Regression and mathematical modeling of fluoride ion adsorption from contaminated water using a magnetic versatile biomaterial & chelating agent: Insight on production & experimental approaches, mechanism and effects of potential interferers. *Journal of Molecular Liquids*, **2020**, 315, 113653	6	18
191	Innovative spherical biochar for pharmaceutical removal from water: Insight into adsorption mechanism. *Journal of Hazardous Materials*, **2020**, 394, 122255	12.8	119
190	Effect of concrete carbonation on phosphate removal through adsorption process and its potential application as fertilizer. *Journal of Cleaner Production*, **2020**, 256, 120416	10.3	39
189	Degradation of the anticancer drug flutamide by solar photo-Fenton treatment at near-neutral pH: Identification of transformation products and in silico (Q)SAR risk assessment. *Environmental Research*, **2020**, 183, 109223	7.9	16

188	Fabrication, microstructure, and properties of fired clay bricks using construction and demolition waste sludge as the main additive. *Journal of Cleaner Production*, **2020**, 258, 120733	10.3	30
187	Removal of pharmaceutical compounds from aqueous solution by novel activated carbon synthesized from lovegrass (Poaceae). *Environmental Science and Pollution Research*, **2020**, 27, 21442-21454	5.1	7
186	Metal activated carbon as an efficient filler for high-density polyethylene nanocomposites. *Polymer Composites*, **2020**, 41, 3184-3193	3	4
185	Synthesis of composite sorbent for the treatment of aqueous solutions contaminated with methylene blue dye. *Water Science and Technology*, **2020**, 81, 1494-1506	2.2	3
184	Single-step pyrolysis for producing magnetic activated carbon from tucum (Astrocaryum aculeatum) seed and nickel(II) chloride and zinc(II) chloride. Application for removal of nicotinamide and propanolol. *Journal of Hazardous Materials*, **2020**, 398, 122903	12.8	45
183	A novel multifunctional adsorbent of pomegranate peel extract and activated anthracite for Mn(VII) and Cr(VI) uptake from solutions: Experiments and theoretical treatment. *Journal of Molecular Liquids*, **2020**, 311, 113169	6	15
182	Statistical physics modeling and interpretation of the adsorption of dye remazol black B on natural and carbonized biomasses. *Journal of Molecular Liquids*, **2020**, 299, 112099	6	12
181	Use of chicken feather and eggshell to synthesize a novel magnetized activated carbon for sorption of heavy metal ions. *Bioresource Technology*, **2020**, 297, 122452	11	53
180	Adsorption and recovery of phosphate from aqueous solution by the construction and demolition wastes sludge and its potential use as phosphate-based fertiliser. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103605	6.8	37
179	Performance of Avocado Seed Activated Carbon as Adsorbent for Highly Sensitive Determination of Cd Using a Flow Injection System Online Coupled to TS-FF-AAS. *Journal of the Brazilian Chemical Society*, **2020**,	1.5	2
178	Rapid defluoridation of drinking water by calcium carbonate nanoadsorbent: characterization, adsorption studies and application to real samples treatment. *Water Science and Technology: Water Supply*, **2020**, 20, 667-678	1.4	4
177	Physicochemical interpretation of the adsorption of 4-Bromophenol and 4-Chloroaniline on an activated carbon. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104542	6.8	8
176	Removal of captopril pharmaceutical from synthetic pharmaceutical-industry wastewaters: Use of activated carbon derived from Butia catarinensis. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104506	6.8	51
175	Adsorption of amoxicillin onto high surface area-activated carbons based on olive biomass: kinetic and equilibrium studies. *Environmental Science and Pollution Research*, **2020**, 27, 41394-41404	5.1	10
174	Sustainable Biomass Activated Carbons as Electrodes for Battery and Supercapacitors-A Mini-Review. *Nanomaterials*, **2020**, 10,	5.4	36
173	Modeling the removal of Reactive Red 120 dye from aqueous effluents by activated carbon. *Water Science and Technology*, **2020**, 82, 651-662	2.2	5
172	A novel silica supported chitosan/glutaraldehyde as an efficient sorbent in solid phase extraction coupling with HPLC for the determination of Penicillin G from water and wastewater samples. *Arabian Journal of Chemistry*, **2020**, 13, 7147-7159	5.9	20
171	Polysulfone metal-activated carbon magnetic nanocomposites with enhanced CO capture.. *RSC Advances*, **2020**, 10, 34595-34604	3.7	3

170	Cellulose-g-poly-(acrylamide-co-acrylic acid) polymeric bioadsorbent for the removal of toxic inorganic pollutants from wastewaters. *Carbohydrate Polymers*, **2020**, 228, 115396	10.3	35
169	Combination of solar photo-Fenton and adsorption process for removal of the anticancer drug Flutamide and its transformation products from hospital wastewater. *Journal of Hazardous Materials*, **2020**, 396, 122699	12.8	22
168	Polyethylene Nanocomposites with Ni, Co, and Fe Carbon-Based Magnetic Fillers. *Polymer Engineering and Science*, **2020**, 60, 988-995	2.3	3
167	Adsorption of dyes acid red 1 and acid green 25 on grafted clay: Modeling and statistical physics interpretation. *Journal of Molecular Liquids*, **2019**, 294, 111610	6	35
166	Agricultural biomass/waste as adsorbents for toxic metal decontamination of aqueous solutions. *Journal of Molecular Liquids*, **2019**, 295, 111684	6	87
165	Functionalization of corn stover with 3-aminopropyltrietoxysilane to uptake Reactive Red 141 from aqueous solutions. *Environmental Science and Pollution Research*, **2019**, 26, 32198-32208	5.1	6
164	Synthesis and characterization of biopolymers functionalized with APTES (3-aminopropyltriethoxysilane) for the adsorption of sunset yellow dye. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103410	6.8	34
163	Efficient acetaminophen removal from water and hospital effluents treatment by activated carbons derived from Brazil nutshells. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 583, 123966	5.1	81
162	Adsorption mechanism of hexavalent chromium onto layered double hydroxides-based adsorbents: A systematic in-depth review. *Journal of Hazardous Materials*, **2019**, 373, 258-270	12.8	101
161	Evaluation of efficiency and selectivity in the sorption process assisted by chemometric approaches: Removal of emerging contaminants from water. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 218, 366-373	4.4	10
160	Removal of amoxicillin from simulated hospital effluents by adsorption using activated carbons prepared from capsules of cashew of Para. *Environmental Science and Pollution Research*, **2019**, 26, 16396-16408	5.1	38
159	Synthesis of a novel CoFeO/chitosan magnetic composite for fast adsorption of indigotine blue dye. *Carbohydrate Polymers*, **2019**, 217, 6-14	10.3	42
158	Response to some remarks on a critical review of the estimation of the thermodynamic parameters on adsorption equilibria. Wrong use of equilibrium constant in the van't Hoff equation for calculation of thermodynamic parameters of adsorption - Journal of Molecular Liquids 273 (2019) 425–434. *Journal of Molecular Liquids*, **2019**, 280, 298-300	6	59
157	Modeling of adsorption isotherms of reactive red RR-120 on spirulina platensis by statistical physics formalism involving interaction effect between adsorbate molecules. *Progress in Biophysics and Molecular Biology*, **2019**, 141, 47-59	4.7	6
156	Preparation, characterization of titanate nanosheet-pozzolan nanocomposite and its use as an adsorbent for removal of diclofenac from simulated hospital effluents. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 102, 321-329	5.3	21
155	A novel route for preparation of chemically activated carbon from pistachio wood for highly efficient Pb(II) sorption. *Journal of Environmental Management*, **2019**, 236, 34-44	7.9	102
154	Application of biochar from agro-industrial waste in solid-phase extraction for the determination of 17-estradiol from aqueous solution. *International Journal of Environmental Science and Technology* , **2019**, 16, 7623-7630	3.3	3
153	Magnetic activated carbon nanocomposite from L. waste (MNSA) for the removal of Coomassie brilliant blue dye from aqueous solution: Statistical design of experiments for optimization of the adsorption conditions. *Journal of Advanced Research*, **2019**, 17, 55-63	13	18

152	Kinetic, equilibrium, and thermodynamic studies on the adsorption of ciprofloxacin by activated carbon produced from Jeriv (Syagrus romanzoffiana). *Environmental Science and Pollution Research*, **2019**, 26, 4690-4702	5.1	41
151	Adsorption of phenol on microwave-assisted activated carbons: Modelling and interpretation. *Journal of Molecular Liquids*, **2019**, 274, 309-314	6	19
150	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. *Journal of Molecular Liquids*, **2019**, 273, 425-434	6	640
149	Novel kaolin/polysiloxane based organic-inorganic hybrid materials: Sol-gel synthesis, characterization and photocatalytic properties. *Journal of Solid State Chemistry*, **2018**, 260, 106-116	3.3	28
148	Activated carbons from avocado seed: optimisation and application for removal of several emerging organic compounds. *Environmental Science and Pollution Research*, **2018**, 25, 7647-7661	5.1	62
147	Synthesis of polyethylene/nickel arbon stimuli-responsive material under magnetic field at room temperature: Effect of the filler on the properties. *European Polymer Journal*, **2018**, 99, 378-383	5.2	8
146	Treatment of leachates containing cobalt by adsorption on Spirulina sp. and activated charcoal. *Journal of Environmental Chemical Engineering*, **2018**, 6, 677-685	6.8	21
145	Grafting of Amine functional group on silicate based material as adsorbent for water purification: A short review. *Journal of Environmental Chemical Engineering*, **2018**, 6, 3192-3203	6.8	20
144	Microwave-activated carbons from tucum (Astrocaryum aculeatum) seed for efficient removal of 2-nitrophenol from aqueous solutions. *Environmental Technology (United Kingdom)*, **2018**, 39, 1173-1187	2.6	70
143	Physicochemical and thermodynamic study of malachite green adsorption on raw and modified corn straw. *Canadian Journal of Chemical Engineering*, **2018**, 96, 779-787	2.3	4
142	Synthesis and characterization of a novel organic-inorganic hybrid clay adsorbent for the removal of acid red 1 and acid green 25 from aqueous solutions. *Journal of Cleaner Production*, **2018**, 171, 30-44	10.3	137
141	A COAGULATION-FLOCCULATION PROCESS COMBINED WITH ADSORPTION USING ACTIVATED CARBON OBTAINED FROM SLUDGE FOR DYE REMOVAL FROM TANNERY WASTEWATER. *Journal of the Chilean Chemical Society*, **2018**, 63, 3867-3874	2.5	17
140	Preparation of CTAB-functionalized aqai stalk and its efficient application as adsorbent for the removal of Direct Blue 15 and Direct Red 23 dyes from aqueous media. *Chemical Engineering Communications*, **2018**, 205, 1520-1536	2.2	35
139	Conversion of Eragrostis plana Nees leaves to activated carbon by microwave-assisted pyrolysis for the removal of organic emerging contaminants from aqueous solutions. *Environmental Science and Pollution Research*, **2018**, 25, 23315-23327	5.1	34
138	Improvement of activated carbon characteristics by sonication and its application for pharmaceutical contaminant adsorption. *Environmental Science and Pollution Research*, **2018**, 25, 24713-24725	5.1	41
137	Removal of emerging contaminants from the environment by adsorption. *Ecotoxicology and Environmental Safety*, **2018**, 150, 1-17	7	443
136	Production of porous activated carbons from Caesalpinia ferrea seed pod wastes: Highly efficient removal of captopril from aqueous solutions. *Journal of Cleaner Production*, **2018**, 197, 919-929	10.3	101
135	Mesoporous NbO/SiO material obtained by sol-gel method and applied as adsorbent of crystal violet dye. *Environmental Technology (United Kingdom)*, **2017**, 38, 566-578	2.6	44

134	Physicochemical modeling of reactive violet 5 dye adsorption on home-made cocoa shell and commercial activated carbons using the statistical physics theory. *Results in Physics*, **2017**, 7, 233-237	3.7	20
133	Efficient removal of amoxicillin and paracetamol from aqueous solutions using magnetic activated carbon. *Environmental Science and Pollution Research*, **2017**, 24, 5918-5932	5.1	98
132	Chitosan/polyamide nanofibers prepared by Forcespinning technology: A new adsorbent to remove anionic dyes from aqueous solutions. *Journal of Cleaner Production*, **2017**, 144, 120-129	10.3	111
131	Alternative treatments to improve the potential of rice husk as adsorbent for methylene blue. *Water Science and Technology*, **2017**, 75, 296-305	2.2	29
130	Fungal biomass as biosorbent for the removal of Acid Blue 161 dye in aqueous solution. *Environmental Science and Pollution Research*, **2017**, 24, 4200-4209	5.1	37
129	Adsorption of diclofenac and nimesulide on activated carbon: Statistical physics modeling and effect of adsorbate size. *Journal of Physics and Chemistry of Solids*, **2017**, 109, 117-123	3.9	35
128	Adsorption of amoxicillin and paracetamol on modified activated carbons: Equilibrium and positional entropy studies. *Journal of Molecular Liquids*, **2017**, 234, 375-381	6	44
127	Removal of Phenolic Compounds from Aqueous Solutions Using Sludge-Based Activated Carbons Prepared by Conventional Heating and Microwave-Assisted Pyrolysis. *Water, Air, and Soil Pollution*, **2017**, 228, 1	2.6	26
126	New insights into the adsorption of crystal violet dye on functionalized multi-walled carbon nanotubes: Experiments, statistical physics and COSMORS models application. *Journal of Molecular Liquids*, **2017**, 248, 890-897	6	49
125	Hybrid adsorbents of tannin and APTES (3-aminopropyltriethoxysilane) and their application for the highly efficient removal of acid red 1 dye from aqueous solutions. *Journal of Environmental Chemical Engineering*, **2017**, 5, 4307-4318	6.8	72
124	New insights into single-compound and binary adsorption of copper and lead ions on a treated sea mango shell: experimental and theoretical studies. *Physical Chemistry Chemical Physics*, **2017**, 19, 25927-25937	3.6	61
123	Adsorption of anti-inflammatory nimesulide by graphene materials: a combined theoretical and experimental study. *Physical Chemistry Chemical Physics*, **2017**, 19, 22099-22110	3.6	22
122	Synthesis of grafted natural pozzolan with 3-aminopropyltriethoxysilane: preparation, characterization, and application for removal of Brilliant Green 1 and Reactive Black 5 from aqueous solutions. *Environmental Science and Pollution Research*, **2017**, 24, 21807-21820	5.1	55
121	Single and binary adsorption of cobalt and methylene blue on modified chitin: Application of the Hill and exclusive extended Hill models. *Journal of Molecular Liquids*, **2017**, 233, 543-550	6	38
120	Activated carbon obtained from sapelli wood sawdust by microwave heating for o-cresol adsorption. *Research on Chemical Intermediates*, **2017**, 43, 1063-1087	2.8	44
119	Effects of first-row transition metals and impregnation ratios on the physicochemical properties of microwave-assisted activated carbons from wood biomass. *Journal of Colloid and Interface Science*, **2017**, 486, 163-175	9.3	64
118	ADSORPTION OF COOMASSIE BRILLIANT BLUE R-250 DYE ONTO NOVEL ACTIVATED CARBON PREPARED FROM NIGELLA SATIVA L. WASTE: EQUILIBRIUM, KINETICS AND THERMODYNAMICS RUNNING TITLE: ADSORPTION OF BRILLIANT BLUE DYE ONTO NIGELLA SATIVA L. WASTE ACTIVATED CARBON. *Journal of the Chilean Chemical Society*, **2017**, 62, 3505-3511	2.5	17
117	Punica granatum husk (PGH), a powdered biowaste material for the adsorption of methylene blue dye from aqueous solution. *Desalination and Water Treatment*, **2016**, 57, 3194-3204		13

116	Comments on the paper: a critical review of the applicability of Avrami fractional kinetic equation in adsorption-based water treatment studies. *Desalination and Water Treatment*, **2016**, 57, 19566-19571		19
115	Avocado seed powder: characterization and its application for crystal violet dye removal from aqueous solutions. *Desalination and Water Treatment*, **2016**, 57, 15873-15888		41
114	Activated carbon from sewage sludge for removal of sodium diclofenac and nimesulide from aqueous solutions. *Korean Journal of Chemical Engineering*, **2016**, 33, 3149-3161	2.8	35
113	Preparation, characterization and application of microwave-assisted activated carbons from wood chips for removal of phenol from aqueous solution. *Journal of Molecular Liquids*, **2016**, 223, 1067-1080	6	106
112	Microbial desalination cell technology: Contribution to sustainable waste water treatment process, current status and future applications. *Journal of Environmental Chemical Engineering*, **2016**, 4, 3468-3478	6.8	60
111	Adsorption of rare earth metals: A review of recent literature. *Journal of Molecular Liquids*, **2016**, 221, 954-962	6	213
110	Adsorption of sodium diclofenac on graphene: a combined experimental and theoretical study. *Physical Chemistry Chemical Physics*, **2016**, 18, 1526-36	3.6	119
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