Eder C Lima

List of Publications by Year
in descending order

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263	18,241	9756	18606
papers	citations	73	119
		h-index	g-index

267	267	267	12121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient removal of Cd(II) from aqueous environment by potassium permanganate-modified eucalyptus biochar. Biomass Conversion and Biorefinery, 2024, 14, 77-89.	2.9	7
2	Optimizing the ultrasonic-assisted extraction of antioxidants from Ulva lactuca algal biomass using factorial design. Biomass Conversion and Biorefinery, 2023, 13, 5681-5690.	2.9	11
3	An overview of geological originated materials as a trend for adsorption in wastewater treatment. Geoscience Frontiers, 2022, 13, 101150.	4.3	21
4	Adsorptive Removal of Cationic Rhodamine B Dye from Aqueous Solutions Using Chitosan-Derived Schiff Base. Separation Science and Technology, 2022, 57, 542-554.	1.3	33
5	Tailor made Functional Zeolite as Sustainable Potential Candidates for Catalytic Cracking of Heavy Hydrocarbons. Catalysis Letters, 2022, 152, 732-744.	1.4	14
6	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, 2022, 79, 417-435.	0.7	31
7	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, 2022, 21, 61-72.	1.0	18
8	Cosorption of Zn(II) and chlortetracycline onto montmorillonite: pH effects and molecular investigations. Journal of Hazardous Materials, 2022, 424, 127368.	6.5	4
9	Environmental and health impacts of spraying COVID-19 disinfectants with associated challenges. Environmental Science and Pollution Research, 2022, 29, 85648-85657.	2.7	15
10	Green products from herbal medicine wastes by subcritical water treatment. Journal of Hazardous Materials, 2022, 424, 127294.	6.5	26
11	Green porous benzamide-like nanomembranes for hazardous cations detection, separation, and concentration adjustment. Journal of Hazardous Materials, 2022, 423, 127130.	6.5	34
12	Sustainable nanotechnology based wastewater treatment strategies: achievements, challenges and future perspectives. Chemosphere, 2022, 288, 132606.	4.2	41
13	Biosynthesis of SiO2 nanoparticles using extract of Nerium oleander leaves for the removal of tetracycline antibiotic. Chemosphere, 2022, 287, 132453.	4.2	62
14	Green metal-organic frameworks (MOFs) for biomedical applications. Microporous and Mesoporous Materials, 2022, 335, 111670.	2.2	65
15	Process Parameters Optimization, Characterization, and Application of KOH-Activated Norway Spruce Bark Graphitic Biochars for Efficient Azo Dye Adsorption. Molecules, 2022, 27, 456.	1.7	59
16	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.	1.6	4
17	High surface area acid-treated biochar from pomegranate husk for 2,4-dichlorophenol adsorption from aqueous solution. Chemosphere, 2022, 295, 133850.	4.2	35
18	Comments on â€œRemoval of methylene blue dye using nano zerovalent iron, nanoclay and iron impregnated nanoclay â€“ a comparative studyâ€•by M. M. Tarekegn, R. M. Balakrishnan, A. M. Hiruy and A. H. Dekebo, RSC Adv., 2021, 11, 30109. RSC Advances, 2022, 12, 5769-5771.	1.7	3

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19	Bioactive hybrid metal-organic framework (MOF)-based nanosensors for optical detection of recombinant SARS-CoV-2 spike antigen. Science of the Total Environment, 2022, 825, 153902.	3.9	31
20	Synthesis of green benzamide-decorated UiO-66-NH2 for biomedical applications. Chemosphere, 2022, 299, 134359.	4.2	18
21	Outstanding Performance of a New Exfoliated Clay Impregnated with Rutile TiO2 Nanoparticles Composite for Dyes Adsorption: Experimental and Theoretical Studies. Coatings, 2022, 12, 22.	1.2	5
22	Composite of methyl polysiloxane and avocado biochar as adsorbent for removal of ciprofloxacin from waters. Environmental Science and Pollution Research, 2022, 29, 74823-74840.	2.7	7
23	Shellfish waste-derived mesoporous chitosan for impressive removal of arsenic(V) from aqueous solutions: A combined experimental and computational approach. Arabian Journal of Chemistry, 2022, 15, 104123.	2.3	12
24	CaZnO-based nanoghosts for the detection of ssDNA, pCRISPR and recombinant SARS-CoV-2 spike antigen and targeted delivery of doxorubicin. Chemosphere, 2022, 306, 135578.	4.2	28
25	High removal of emerging contaminants from wastewater by activated carbons derived from the shell of cashew of Para. Carbon Letters, 2021, 31, 13-28.	3.3	38
26	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.	2.7	5
27	Comment on â€œRemoval of Cr3+ from tanning effluents by adsorption onto phosphate mine waste: Key parameters and mechanismsâ€• Journal of Hazardous Materials, 2021, 401, 123358.	6.5	3
28	Removal of micropollutants from municipal wastewater using different types of activated carbons. Journal of Environmental Management, 2021, 278, 111302.	3.8	80
29	SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. Environmental Research, 2021, 193, 110265.	3.7	150
30	Microplastics physicochemical properties, specific adsorption modeling and their interaction with pharmaceuticals and other emerging contaminants. Science of the Total Environment, 2021, 753, 141981.	3.9	83
31	Purification and economic analysis of nanoclay from bentonite. Environmental Science and Pollution Research, 2021, 28, 13690-13696.	2.7	12
32	Is one performing the treatment data of adsorption kinetics correctly?. Journal of Environmental Chemical Engineering, 2021, 9, 104813.	3.3	161
33	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.	2.7	31
34	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.	6.6	47
35	Adsorption: Fundamental aspects and applications of adsorption for effluent treatment. , 2021, , 41-88.		48
36	Facile synthesis of muscoviteâ€“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.	2.7	38

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37	A Short Review on the Electrochemical Performance of Hierarchical and Nitrogen-Doped Activated Biocarbon-Based Electrodes for Supercapacitors. Nanomaterials, 2021, 11, 424.	1.9	47
38	Adsorption mechanism of Zn2+, Ni2+, Cd2+, and Cu2+ ions by carbon-based adsorbents: interpretation of the adsorption isotherms via physical modelling. Environmental Science and Pollution Research, 2021, 28, 30943-30954.	2.7	66
39	Theoretical interpretation of the adsorption of amoxicillin on activated carbon via physical model. Environmental Science and Pollution Research, 2021, 28, 30714-30721.	2.7	7
40	Comparison of Heavy Metals Removal from Aqueous Solution by Moringa oleifera Leaves and Seeds. Coatings, 2021, 11, 508.	1.2	26
41	Coupling of electrocoagulation and powder activated carbon for the treatment of sustainable wastewater. Environmental Science and Pollution Research, 2021, 28, 48505-48516.	2.7	31
42	Chitin-psyllium based aerogel for the efficient removal of crystal violet from aqueous solutions. International Journal of Biological Macromolecules, 2021, 179, 366-376.	3.6	28
43	Process modeling, characterization, optimization, and mechanisms of fluoride adsorption using magnetic agro-based adsorbent. Journal of Environmental Management, 2021, 286, 112173.	3.8	46
44	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.	2.3	24
45	A theoretical probe into the effects of material and operational variables on water purification with zeolite membranes. Microporous and Mesoporous Materials, 2021, 320, 111070.	2.2	12
46	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.	1.2	48
47	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.	0.6	1
48	Coupling of attrition and accelerated carbonation for CO2 sequestration in recycled concrete aggregates. Cleaner Engineering and Technology, 2021, 3, 100106.	2.1	7
49	Comments on â€œReasonable calculation of the thermodynamic parameters from adsorption equilibrium constant, Journal of Molecular Liquids 322 (2021) 114980.â€. Journal of Molecular Liquids, 2021, 334, 116542.	2.3	18
50	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.	2.3	21
51	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.	3.3	21
52	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.	3.3	26
53	Adsorption onto zeolites: molecular perspective. Chemical Papers, 2021, 75, 6217-6239.	1.0	6
54	Green synthesis of ZnO nanoparticles from Syzygium Cumini leaves extract with robust photocatalysis applications. Journal of Molecular Liquids, 2021, 335, 116567.	2.3	127

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55	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.	2.7	81
56	Synthesis of Zeolite supported bimetallic catalyst and application in n-hexane hydro-isomerization using supercritical CO2. Journal of Environmental Chemical Engineering, 2021, 9, 105206.	3.3	23
57	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.	3.3	21
58	Hydrothermally engineered Niâ€“CuC hybrid nanocomposites: Structural and morphological investigations with potential fuel catalytic applications. Materials Chemistry and Physics, 2021, 270, 124837.	2.0	25
59	Global soil pollution by toxic elements: Current status and future perspectives on the risk assessment and remediation strategies â€“ A review. Journal of Hazardous Materials, 2021, 417, 126039.	6.5	213
60	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.	1.5	22
61	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.	3.3	50
62	Thermodynamic parameters of liquidâ€“phase adsorption process calculated from different equilibrium constants related to adsorption isotherms: A comparison study. Journal of Environmental Chemical Engineering, 2021, 9, 106674.	3.3	139
63	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.	3.3	22
64	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.	3.3	47
65	Green CoNi2S4/porphyrin decorated carbon-based nanocomposites for genetic materials detection. Journal of Bioresources and Bioproducts, 2021, 6, 215-222.	11.8	46
66	Cellulose-g-poly-(acrylamide-co-acrylic acid) polymeric bioadsorbent for the removal of toxic inorganic pollutants from wastewaters. Carbohydrate Polymers, 2020, 228, 115396.	5.1	55
67	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.	2.3	27
68	Use of chicken feather and eggshell to synthesize a novel magnetized activated carbon for sorption of heavy metal ions. Bioresource Technology, 2020, 297, 122452.	4.8	120
69	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.	3.3	62
70	Rapid defluoridation of drinking water by calcium carbonate nanoadsorbent: characterization, adsorption studies and application to real samplesâ€™ treatment. Water Science and Technology: Water Supply, 2020, 20, 667-678.	1.0	5
71	Physicochemical interpretation of the adsorption of 4-Bromophenol and 4-Chloroaniline on an activated carbon. Journal of Environmental Chemical Engineering, 2020, 8, 104542.	3.3	18
72	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.	3.3	103

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73	Adsorption of amoxicillin onto high surface areaâ€“activated carbons based on olive biomass: kinetic and equilibrium studies. Environmental Science and Pollution Research, 2020, 27, 41394-41404.	2.7	25
74	Sustainable Biomass Activated Carbons as Electrodes for Battery and Supercapacitorsâ€”A Mini-Review. Nanomaterials, 2020, 10, 1398.	1.9	76
75	Modeling the removal of Reactive Red 120 dye from aqueous effluents by activated carbon. Water Science and Technology, 2020, 82, 651-662.	1.2	9
76	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.	2.3	63
77	Polysulfone metal-activated carbon magnetic nanocomposites with enhanced CO₂ capture. RSC Advances, 2020, 10, 34595-34604.	1.7	9
78	Catalytic Activity of Pt Loaded Zeolites for Hydroisomerization of n-Hexane Using Supercritical CO₂. Industrial & Engineering Chemistry Research, 2020, 59, 22092-22106.	1.8	60
79	Comparison of the nonlinear and linear forms of the van't Hoff equation for calculation of adsorption thermodynamic parameters (âˆ†SÂ° and âˆ†HÂ°). Journal of Molecular Liquids, 2020, 311, 113315.	2.3	194
80	Conductive polymers in water treatment: A review. Journal of Molecular Liquids, 2020, 312, 113447.	2.3	104
81	Utilization of Pacara Earpod tree (Enterolobium contortisilquum) and Ironwood (Caesalpinia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Pollution Research, 2020, 27, 33307-33320.	2.7	59
82	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.	2.3	81
83	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.	3.9	139
84	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.	3.3	52
85	Adsorption of Procion Red MX-5B dye from aqueous solution using homemade peach and commercial activated carbons. Applied Water Science, 2020, 10, 1.	2.8	20
86	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.	2.3	33
87	Innovative spherical biochar for pharmaceutical removal from water: Insight into adsorption mechanism. Journal of Hazardous Materials, 2020, 394, 122255.	6.5	245
88	Effect of concrete carbonation on phosphate removal through adsorption process and its potential application as fertilizer. Journal of Cleaner Production, 2020, 256, 120416.	4.6	64
89	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.	3.7	23
90	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.	4.6	64

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91	Removal of pharmaceutical compounds from aqueous solution by novel activated carbon synthesized from lovegrass (Poaceae). Environmental Science and Pollution Research, 2020, 27, 21442-21454.	2.7	16
92	Metal activated carbon as an efficient filler for highâ€density polyethylene nanocomposites. Polymer Composites, 2020, 41, 3184-3193.	2.3	8
93	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.	6.5	46
94	Polyethylene Nanocomposites with Ni, Co, and Fe Carbonâ€Based Magnetic Fillers. Polymer Engineering and Science, 2020, 60, 988-995.	1.5	8
95	Single-step pyrolysis for producing magnetic activated carbon from tucumÃ£ (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.	6.5	96
96	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.	2.3	20
97	Synthesis of composite sorbent for the treatment of aqueous solutions contaminated with methylene blue dye. Water Science and Technology, 2020, 81, 1494-1506.	1.2	14
98	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.	1.4	16
99	Preparation, characterization of titanate nanosheetâ€“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.	2.7	31
100	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.	2.3	47
101	Agricultural biomass/waste as adsorbents for toxic metal decontamination of aqueous solutions. Journal of Molecular Liquids, 2019, 295, 111684.	2.3	131
102	Functionalization of corn stover with 3-aminopropyltrietoxysilane to uptake Reactive Red 141 from aqueous solutions. Environmental Science and Pollution Research, 2019, 26, 32198-32208.	2.7	17
103	Synthesis and characterization of biopolymers functionalized with APTES (3â€“aminopropyltriethoxysilane) for the adsorption of sunset yellow dye. Journal of Environmental Chemical Engineering, 2019, 7, 103410.	3.3	55
104	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.	2.3	138
105	Adsorption mechanism of hexavalent chromium onto layered double hydroxides-based adsorbents: A systematic in-depth review. Journal of Hazardous Materials, 2019, 373, 258-270.	6.5	177
106	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.	2.0	16
107	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.	2.7	57
108	Synthesis of a novel CoFe2O4/chitosan magnetic composite for fast adsorption of indigotine blue dye. Carbohydrate Polymers, 2019, 217, 6-14.	5.1	59

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109	Response to â€œSome 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) 425â€“434.â€• Journal of Molecular Liquids, 2019, 280, 298-300.	2.3	101
110	Application of biochar from agro-industrial waste in solid-phase extraction for the determination of 17Î²-estradiol from aqueous solution. International Journal of Environmental Science and Technology, 2019, 16, 7623-7630.	1.8	5
111	Magnetic activated carbon nanocomposite from Nigella sativa 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.	4.4	32
112	Kinetic, equilibrium, and thermodynamic studies on the adsorption of ciprofloxacin by activated carbon produced from JerivÃ¡ (Syagrus romanzoffiana). Environmental Science and Pollution Research, 2019, 26, 4690-4702.	2.7	64
113	Adsorption of phenol on microwave-assisted activated carbons: Modelling and interpretation. Journal of Molecular Liquids, 2019, 274, 309-314.	2.3	46
114	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.	2.3	1,105
115	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.	3.8	134
116	Novel kaolin/polysiloxane based organic-inorganic hybrid materials: Sol-gel synthesis, characterization and photocatalytic properties. Journal of Solid State Chemistry, 2018, 260, 106-116.	1.4	37
117	Activated carbons from avocado seed: optimisation and application for removal of several emerging organic compounds. Environmental Science and Pollution Research, 2018, 25, 7647-7661.	2.7	99
118	Synthesis of polyethylene/nickelâ€“carbon stimuli-responsive material under magnetic field at room temperature: Effect of the filler on the properties. European Polymer Journal, 2018, 99, 378-383.	2.6	13
119	Treatment of leachates containing cobalt by adsorption on Spirulina sp. and activated charcoal. Journal of Environmental Chemical Engineering, 2018, 6, 677-685.	3.3	28
120	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.	3.3	40
121	Microwave-activated carbons from tucumÃ£ (Astrocaryum aculeatum) seed for efficient removal of 2-nitrophenol from aqueous solutions. Environmental Technology (United Kingdom), 2018, 39, 1173-1187.	1.2	85
122	Physicochemical and thermodynamic study of malachite green adsorption on raw and modified corn straw. Canadian Journal of Chemical Engineering, 2018, 96, 779-787.	0.9	7
123	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.	4.6	178
124	Removal of emerging contaminants from the environment by adsorption. Ecotoxicology and Environmental Safety, 2018, 150, 1-17.	2.9	644
125	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.	4.6	122
126	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.	0.5	39

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127	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.	1.5	42
128	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.	2.7	41
129	Improvement of activated carbon characteristics by sonication and its application for pharmaceutical contaminant adsorption. Environmental Science and Pollution Research, 2018, 25, 24713-24725.	2.7	62
130	Mesoporous Nb₂O₅/SiO₂material obtained by solâ€“gel method and applied as adsorbent of crystal violet dye. Environmental Technology (United Kingdom), 2017, 38, 566-578.	1.2	53
131	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.	2.0	30
132	Efficient removal of amoxicillin and paracetamol from aqueous solutions using magnetic activated carbon. Environmental Science and Pollution Research, 2017, 24, 5918-5932.	2.7	135
133	Chitosan/polyamide nanofibers prepared by ForcespinningÂ® technology: A new adsorbent to remove anionic dyes from aqueous solutions. Journal of Cleaner Production, 2017, 144, 120-129.	4.6	128
134	Alternative treatments to improve the potential of rice husk as adsorbent for methylene blue. Water Science and Technology, 2017, 75, 296-305.	1.2	40
135	Fungal biomass as biosorbent for the removal of Acid Blue 161 dye in aqueous solution. Environmental Science and Pollution Research, 2017, 24, 4200-4209.	2.7	44
136	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.	1.9	48
137	Adsorption of amoxicillin and paracetamol on modified activated carbons: Equilibrium and positional entropy studies. Journal of Molecular Liquids, 2017, 234, 375-381.	2.3	59
138	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.	1.1	39
139	New insights into the adsorption of crystal violet dye on functionalized multi-walled carbon nanotubes: Experiments, statistical physics and COSMOâ€“RS models application. Journal of Molecular Liquids, 2017, 248, 890-897.	2.3	64
140	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.	3.3	89
141	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.	1.3	78
142	Adsorption of anti-inflammatory nimesulide by graphene materials: a combined theoretical and experimental study. Physical Chemistry Chemical Physics, 2017, 19, 22099-22110.	1.3	34
143	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.	2.7	73
144	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.	2.3	44

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145	Activated carbon obtained from sapelli wood sawdust by microwave heating for o-cresol adsorption. Research on Chemical Intermediates, 2017, 43, 1063-1087.	1.3	64
146	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.	5.0	95
147	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.	0.5	26
148	Removal of atrazine as an organic micro-pollutant from aqueous solutions: a comparative study. Chemical Engineering Research and Design, 2016, 103, 23-35.	2.7	73
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