

Guilherme Luiz Dotto

List of Publications by Year in descending order

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Version: 2024-02-01

414
papers

16,727
citations

14655
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h-index

34986
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417
all docs

417
docs citations

417
times ranked

10433
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrolysis of grape bagasse to produce char for Cu(II) adsorption: a circular economy perspective. Biomass Conversion and Biorefinery, 2024, 14, 3947-3964.	4.6	4
2	Mass transfer models for the adsorption of 2,4-dichlorophenoxyacetic acid (2,4-D) and atrazine herbicides from agricultural wastewaters. Chemical Engineering Communications, 2023, 210, 247-258.	2.6	5
3	Application of fly ash modified by alkaline fusion as an effective adsorbent to remove methyl violet 10B in water. Chemical Engineering Communications, 2022, 209, 184-195.	2.6	4
4	Artisanal ceramic factories using wood combustion: A nanoparticles and human health study. Geoscience Frontiers, 2022, 13, 101151.	8.4	5
5	An overview of geological originated materials as a trend for adsorption in wastewater treatment. Geoscience Frontiers, 2022, 13, 101150.	8.4	21
6	Deposition of nanoparticles on school eyeglasses in urban and rural areas: A methodology for a more real assessment of the possible impacts. Geoscience Frontiers, 2022, 13, 101135.	8.4	3
7	Effective adsorptive removal of textile pollutant using coal bottom ash with high surface area obtained by alkaline fusion route. Environmental Technology (United Kingdom), 2022, 43, 2418-2429.	2.2	4
8	A review on the environmental impact of phosphogypsum and potential health impacts through the release of nanoparticles. Chemosphere, 2022, 286, 131513.	8.2	70
9	Development of a pre-treatment process of polymeric wastes (HDPE, LDPE/LLDPE, PP) for application in the qualification of selectors of recyclable materials. Environment, Development and Sustainability, 2022, 24, 6349-6371.	5.0	7
10	Synthesis of geopolymers from fly and bottom ashes of a thermoelectrical power plant for metallic ions adsorption. Environmental Science and Pollution Research, 2022, 29, 2699-2706.	5.3	6
11	Optimization of ketoprofen adsorption from aqueous solutions and simulated effluents using H ₂ SO ₄ activated Campomanesia guazumifolia bark. Environmental Science and Pollution Research, 2022, 29, 2122-2135.	5.3	6
12	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.	5.3	22
13	Woody residues of the grape production chain as an alternative precursor of high porous activated carbon with remarkable performance for naproxen uptake from water. Environmental Science and Pollution Research, 2022, 29, 16988-17000.	5.3	4
14	Freezing effect on the oleuropein content of olive leaves extracts obtained from microwave-assisted extraction. International Journal of Environmental Science and Technology, 2022, 19, 10375-10380.	3.5	5
15	Synthesis of glutaraldehyde-modified silica/chitosan composites for the removal of water-soluble diclofenac sodium. Carbohydrate Polymers, 2022, 277, 118868.	10.2	26
16	Biochar derived from yerba-mate (<i>Ilex paraguariensis</i>) as an alternative TiO ₂ support for enhancement of photocatalytic activity toward Rhodamine-B degradation in water. Chemical Engineering Communications, 2022, 209, 1334-1347.	2.6	7
17	Applicability of amethyst mining rejects as a novel photo-fenton catalyst for the abatement of an emerging pollutant in water. Applied Geochemistry, 2022, 136, 105136.	3.0	8
18	Effects of atmospheric pollutants on human health and deterioration of medieval historical architecture (North Africa, Tunisia). Urban Climate, 2022, 41, 101046.	5.7	14

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19	A study of single and quaternary adsorption of Cu ²⁺ , Co ²⁺ , Ni ²⁺ and Ag ⁺ on sludge modified by alkaline fusion. Chemical Engineering Journal, 2022, 433, 133674.	12.7	7
20	Photo-assisted degradation of organic pollutant by CuFeS ₂ powder in RGB-LED reactors: A comprehensive study of band gap values and the relation between wavelength and electron-hole recombination. Advanced Powder Technology, 2022, 33, 103368.	4.1	13
21	Adsorption of atrazine and 2,4-D pesticides on alternative biochars from cedar bark sawdust (Cedrella) Tj ETQq1 1 0.784314 16 BT /Over	5.3	11
22	Development of activated carbon from Schizolobium parahyba (guapuruvu) residues employed for the removal of ketoprofen. Environmental Science and Pollution Research, 2022, 29, 21860-21875.	5.3	3
23	Volcanic rock powder residues as precursors for the synthesis of adsorbents and potential application in the removal of dyes and metals from water. Environmental Science and Pollution Research, 2022, 29, 25685-25693.	5.3	5
24	Adsorption of atrazine herbicide from water by diospyros kaki fruit waste activated carbon. Journal of Molecular Liquids, 2022, 347, 117990.	4.9	27
25	Adsorption performance of Food Red 17 dye using an eco-friendly material based on Luffa cylindrica and chitosan. Journal of Molecular Liquids, 2022, 349, 118144.	4.9	9
26	Residual peel of pitaya fruit (Hylocereus undatus) as a precursor to obtaining an efficient carbon-based adsorbent for the removal of metanil yellow dye from water. Journal of Environmental Chemical Engineering, 2022, 10, 107006.	6.7	19
27	New insights into glyphosate adsorption on modified carbon nanotubes via green synthesis: Statistical physical modeling and steric and energetic interpretations. Chemical Engineering Journal, 2022, 431, 134095.	12.7	16
28	Process Parameters Optimization, Characterization, and Application of KOH-Activated Norway Spruce Bark Graphitic Biochars for Efficient Azo Dye Adsorption. Molecules, 2022, 27, 456.	3.8	59
29	Effective removal of non-steroidal anti-inflammatory drug from wastewater by adsorption process using acid-treated Fagopyrum esculentum husk. Environmental Science and Pollution Research, 2022, 29, 31085-31098.	5.3	4
30	A review of the occurrence, disposal, determination, toxicity and remediation technologies of the tetracycline antibiotic. Chemical Engineering Research and Design, 2022, 160, 25-40.	5.6	86
31	Application of biowaste generated by the production chain of pitaya fruit (Hylocereus undatus) as an efficient adsorbent for removal of naproxen in water. Environmental Science and Pollution Research, 2022, 29, 39754-39767.	5.3	5
32	Attraction to adsorption: Preparation methods and performance of novel magnetic biochars for water and wastewater treatment. , 2022, , 551-568.		1
33	Application of araÃ§Ã¡ fruit husks (Psidium cattleianum) in the preparation of activated carbon with FeCl ₃ for atrazine herbicide adsorption. Chemical Engineering Research and Design, 2022, 180, 67-78.	5.6	24
34	Reviewing variables and their implications affecting adsorption of Cr(VI) onto activated carbon: an in-depth statistical case study. Environmental Science and Pollution Research, 2022, 29, 49832-49849.	5.3	1
35	An Analysis of Nanoparticles Derived from Coal Fly Ash Incorporated into Concrete. Sustainability, 2022, 14, 3943.	3.2	4
36	Understanding the Cu ²⁺ adsorption mechanism on activated carbon using advanced statistical physics modelling. Environmental Science and Pollution Research, 2022, , 1.	5.3	1

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37	Remarkable sunlight-driven photocatalytic performance of Ag-doped ZnO nanoparticles prepared by green synthesis for degradation of emerging pollutants in water. <i>Environmental Science and Pollution Research</i> , 2022, 29, 57330-57344.	5.3	9
38	Geochemical and Morphological Evaluations of Organic and Mineral Aerosols in Coal Mining Areas: A Case Study of Santa Catarina, Brazil. <i>Sustainability</i> , 2022, 14, 3847.	3.2	3
39	Production of sugar-derived carbons by different routes and their applications for dye removal in water. <i>Chemical Engineering Research and Design</i> , 2022, 182, 237-245.	5.6	7
40	A DFT theoretical and experimental study about tetracycline adsorption onto magnetic graphene oxide. <i>Journal of Molecular Liquids</i> , 2022, 353, 118837.	4.9	34
41	Investigation of biochar from <i>Cedrella fissilis</i> applied to the adsorption of atrazine herbicide from an aqueous medium. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107408.	6.7	36
42	A comparative study of chemical treatment by MgCl ₂ , ZnSO ₄ , ZnCl ₂ , and KOH on physicochemical properties and acetaminophen adsorption performance of biobased porous materials from tree bark residues. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128626.	4.7	59
43	Environmental Impacts of Coal Nanoparticles from Rehabilitated Mine Areas in Colombia. <i>Sustainability</i> , 2022, 14, 4544.	3.2	2
44	Leaching of rare earth elements from phosphogypsum. <i>Chemosphere</i> , 2022, 301, 134661.	8.2	35
45	Modeling of anthocyanins adsorption onto chitosan films: An approach using the pore volume and surface diffusion model. <i>Separation and Purification Technology</i> , 2022, 292, 121062.	7.9	2
46	Adsorption of basic fuchsin using soybean straw hydrolyzed by subcritical water. <i>Environmental Science and Pollution Research</i> , 2022, 29, 68547-68554.	5.3	7
47	Polishing of painting process effluents through adsorption with biochar from winemaking residues. <i>Environmental Science and Pollution Research</i> , 2022, 29, 66348-66358.	5.3	2
48	Pore volume and surface diffusion model (PVSDM) applied for single and binary dye adsorption systems. <i>Chemical Engineering Research and Design</i> , 2022, 182, 645-658.	5.6	5
49	Adsorption kinetics and equilibrium of Ni ²⁺ , Cu ²⁺ , Co ²⁺ , and Ag ⁺ on geopolymers derived from ashes: application to treat effluents from the E-Coat printing process. <i>Environmental Science and Pollution Research</i> , 2022, 29, 70158-70166.	5.3	1
50	Basic fundamentals of adsorption modeling for removal of pesticides from water and wastewater. , 2022, , 159-188.		1
51	Production of carbon-based adsorbents from lignocellulosic biomass. , 2022, , 169-192.		8
52	Lead ferrite-activated carbon magnetic composite for efficient removal of phenol from aqueous solutions: synthesis, characterization, and adsorption studies. <i>Scientific Reports</i> , 2022, 12, .	3.3	26
53	Conversion of <i>Erythrina speciosa</i> pods to porous adsorbent for Ibuprofen removal. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108070.	6.7	13
54	Iron-enriched coal and volcanic rock waste powder composite with enhanced microwave absorption capacity for the degradation of 2,4-D and atrazine pesticides in single and binary systems. <i>Advanced Powder Technology</i> , 2022, 33, 103671.	4.1	4

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55	An advanced combination of density functional theory simulations and statistical physics modeling in the unveiling and prediction of adsorption mechanisms of 2,4-D pesticide to activated carbon. Journal of Molecular Liquids, 2022, 361, 119639.	4.9	21
56	Phosphate removal from industrial wastewaters using layered double hydroxides. Environmental Technology (United Kingdom), 2021, 42, 1-11.	2.2	17
57	Modeling of fixed-bed dye adsorption using response surface methodology and artificial neural network. Chemical Engineering Communications, 2021, 208, 1081-1092.	2.6	14
58	High removal of emerging contaminants from wastewater by activated carbons derived from the shell of cashew of Para. Carbon Letters, 2021, 31, 13-28.	5.9	38
59	A tool for realistic study of nanoparticulate coal rejects. Journal of Cleaner Production, 2021, 278, 121916.	9.3	5
60	Portable dehumidifiers as an original matrix for the study of inhalable nanoparticles in school. Chemosphere, 2021, 262, 127295.	8.2	2
61	Titanium nanoparticles in sedimented dust aggregates from urban children's parks around coal ashes wastes. Fuel, 2021, 285, 119162.	6.4	15
62	Soil contamination in Colombian playgrounds: effects of vehicles, construction, and traffic. Environmental Science and Pollution Research, 2021, 28, 166-176.	5.3	14
63	Application of Cordia trichotoma sawdust as an effective biosorbent for removal of crystal violet from aqueous solution in batch system and fixed-bed column. Environmental Science and Pollution Research, 2021, 28, 6771-6783.	5.3	26
64	Adsorption of ibuprofen, ketoprofen, and paracetamol onto activated carbon prepared from effluent treatment plant sludge of the beverage industry. Chemosphere, 2021, 262, 128322.	8.2	168
65	Microplastics physicochemical properties, specific adsorption modeling and their interaction with pharmaceuticals and other emerging contaminants. Science of the Total Environment, 2021, 753, 141981.	8.0	83
66	Hazardous elements in the soil of urban cemeteries; constructive solutions aimed at sustainability. Chemosphere, 2021, 262, 128248.	8.2	26
67	Transforming pods of the species Capparis flexuosa into effective biosorbent to remove blue methylene and bright blue in discontinuous and continuous systems. Environmental Science and Pollution Research, 2021, 28, 8036-8049.	5.3	5
68	Successful adsorption of bright blue and methylene blue on modified pods of Caesalpinia echinata in discontinuous system. Environmental Science and Pollution Research, 2021, 28, 8407-8420.	5.3	12
69	Interpretation of diclofenac adsorption onto ZnFe2O4/chitosan magnetic composite via BET modified model by using statistical physics formalism. Journal of Molecular Liquids, 2021, 327, 114858.	4.9	6
70	Current scenario and challenges in using plastic wastes as oil absorbents. Journal of Environmental Chemical Engineering, 2021, 9, 104822.	6.7	5
71	Trapping of Ag ⁺ , Cu ²⁺ , and Co ²⁺ by faujasite zeolite Y: New interpretations of the adsorption mechanism via DFT and statistical modeling investigation. Chemical Engineering Journal, 2021, 420, 127712.	12.7	32
72	High-performance removal of 2,4-dichlorophenoxyacetic acid herbicide in water using activated carbon derived from Queen palm fruit endocarp (Syagrus romanzoffiana). Journal of Environmental Chemical Engineering, 2021, 9, 104911.	6.7	79

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73	Effective adsorption of dyes on an activated carbon prepared from carboxymethyl cellulose: Experiments, characterization and advanced modelling. Chemical Engineering Journal, 2021, 417, 128116.	12.7	175
74	Nanomineralogy of mortars and ceramics from the Forum of Caesar and Nerva (Rome, Italy): The protagonist of black crusts produced on historic buildings. Journal of Cleaner Production, 2021, 278, 123982.	9.3	27
75	Analysis of adsorption isotherms of Ag ⁺ , Co ²⁺ , and Cu ²⁺ onto zeolites using computational intelligence models. Journal of Environmental Chemical Engineering, 2021, 9, 104960.	6.7	25
76	Adsorbents for glyphosate removal in contaminated waters: a review. Environmental Chemistry Letters, 2021, 19, 1525-1543.	16.2	48
77	Forecasting the multicomponent adsorption of nimesulide and paracetamol through artificial neural network. Chemical Engineering Journal, 2021, 412, 127527.	12.7	53
78	Transforming shrub waste into a high-efficiency adsorbent: Application of Physalis peruviana chalice treated with strong acid to remove the 2,4-dichlorophenoxyacetic acid herbicide. Journal of Environmental Chemical Engineering, 2021, 9, 104574.	6.7	56
79	Macro-fungal (Agaricus bisporus) wastes as an adsorbent in the removal of the acid red 97 and crystal violet dyes from ideal colored effluents. Environmental Science and Pollution Research, 2021, 28, 405-415.	5.3	24
80	Application of seed residues from Anadenanthera macrocarpa and Cedrela fissilis as alternative adsorbents for remarkable removal of methylene blue dye in aqueous solutions. Environmental Science and Pollution Research, 2021, 28, 2342-2354.	5.3	23
81	Modified wheat straw-derived graphene for the removal of Eriochrome Black T: characterization, isotherm, and kinetic studies. Environmental Science and Pollution Research, 2021, 28, 3556-3565.	5.3	30
82	Adsorption: Fundamental aspects and applications of adsorption for effluent treatment. , 2021, , 41-88.		48
83	Chitosan-Based Magnetic Adsorbents. Environmental Chemistry for A Sustainable World, 2021, , 435-465.	0.5	0
84	Environmental aspects of the depreciation of the culturally significant Wall of Cartagena de Indias "Colombia. Chemosphere, 2021, 265, 129119.	8.2	10
85	Chitosan-Coated Glass Beads in a Fluidized Bed for Use in Fixed-Bed Dye Adsorption. Chemical Engineering and Technology, 2021, 44, 631-638.	1.5	2
86	Sustainable Release of Macronutrients to Black Oat and Maize Crops from Organically-Altered Dacite Rock Powder. Natural Resources Research, 2021, 30, 1941-1953.	4.7	7
87	Adsorption investigation of 2,4-D herbicide on acid-treated peanut (Arachis hypogaea) skins. Environmental Science and Pollution Research, 2021, 28, 36453-36463.	5.3	14
88	Hydrogen production automatic control in continuous microbial electrolysis cells reactors used in wastewater treatment. Journal of Environmental Management, 2021, 281, 111869.	7.8	11
89	Carbon nanotubes impregnated with metallic nanoparticles and their application as an adsorbent for the glyphosate removal in an aqueous matrix. Journal of Environmental Chemical Engineering, 2021, 9, 105178.	6.7	38
90	Nanoparticles in fossil and mineral fuel sectors and their impact on environment and human health: A review and perspective. Gondwana Research, 2021, 92, 184-201.	6.0	44

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91	Optimization of green extraction for the recovery of bioactive compounds from Brazilian olive crops and evaluation of its potential as a natural preservative. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105130.	6.7	14
92	Theoretical study and analysis of o-nitrophenol adsorption using layered double hydroxides containing Ca-Al, Ni-Al and Zn-Al. <i>Environmental Science and Pollution Research</i> , 2021, 28, 44547-44556.	5.3	7
93	Novel biochar and hydrochar for the adsorption of 2-nitrophenol from aqueous solutions: An approach using the PVSDM model. <i>Chemosphere</i> , 2021, 269, 128748.	8.2	26
94	Three-dimensional mass transport modeling of pharmaceuticals adsorption inside ZnAl/biochar composite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126170.	4.7	29
95	Conversion of the forest species <i>Inga marginata</i> and <i>Tipuana tipu</i> wastes into biosorbents: Dye biosorption study from isotherm to mass transfer. <i>Environmental Technology and Innovation</i> , 2021, 22, 101521.	6.1	10
96	Chitin- <i>psyllium</i> based aerogel for the efficient removal of crystal violet from aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2021, 179, 366-376.	7.5	28
97	Make it clean, make it safe: A review on virus elimination via adsorption. <i>Chemical Engineering Journal</i> , 2021, 412, 128682.	12.7	40
98	Thermally treated sludge obtained from a coagulation-flocculation water treatment process as a low-cost and eco-friendly adsorbent for water defluorination. <i>Brazilian Journal of Chemical Engineering</i> , 2021, 38, 451-460.	1.3	3
99	Preparation and Application of Efficient Biobased Carbon Adsorbents Prepared from Spruce Bark Residues for Efficient Removal of Reactive Dyes and Colors from Synthetic Effluents. <i>Coatings</i> , 2021, 11, 772.	2.6	48
100	An overview of forest residues as promising low-cost adsorbents. <i>Gondwana Research</i> , 2021, , .	6.0	14
101	Eco-friendly extraction for the recovery of bioactive compounds from Brazilian olive leaves. <i>Sustainable Materials and Technologies</i> , 2021, 28, e00276.	3.3	15
102	Nanoparticles and interfaces with toxic elements in fluvial suspended sediment. <i>Marine Pollution Bulletin</i> , 2021, 168, 112405.	5.0	6
103	Adsorption of ketoprofen and 2- nitrophenol on activated carbon prepared from winery wastes: A combined experimental and theoretical study. <i>Journal of Molecular Liquids</i> , 2021, 333, 115906.	4.9	40
104	Nanoparticles as vectors of other contaminants in estuarine suspended sediments: Natural and real conditions. <i>Marine Pollution Bulletin</i> , 2021, 168, 112429.	5.0	15
105	Composite carbon materials from winery composted waste for the treatment of effluents contaminated with ketoprofen and 2-nitrophenol. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105421.	6.7	21
106	From cellulose to graphene-like porous carbon nanosheets. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111217.	4.4	18
107	Dispersion of hazardous nanoparticles on beaches around phosphogypsum factories. <i>Marine Pollution Bulletin</i> , 2021, 169, 112493.	5.0	8
108	Adsorption mechanisms of single and simultaneous removal of pharmaceutical compounds onto activated carbon: Isotherm and thermodynamic modeling. <i>Journal of Molecular Liquids</i> , 2021, 336, 116203.	4.9	48

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109	Sono electro-chemical synthesis of LaFeO ₃ nanoparticles for the removal of fluoride: Optimization and modeling using RSM, ANN and GA tools. Journal of Environmental Chemical Engineering, 2021, 9, 105320.	6.7	73
110	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	81
111	Oil field's produced water treatment: characterization, photochemical systems, and combined processes. Environmental Science and Pollution Research, 2021, 28, 52744-52763.	5.3	10
112	Development of highly porous activated carbon from Jacaranda mimosifolia seed pods for remarkable removal of aqueous-phase ketoprofen. Journal of Environmental Chemical Engineering, 2021, 9, 105676.	6.7	54
113	Effective treatment of hospital wastewater with high-concentration diclofenac and ibuprofen using a promising technology based on degradation reaction catalyzed by FeO under microwave irradiation. Science of the Total Environment, 2021, 783, 146991.	8.0	33
114	Implementation of a multilayer statistical physics model to interpret the adsorption of food dyes on a chitosan film. Journal of Environmental Chemical Engineering, 2021, 9, 105516.	6.7	34
115	A novel Fe-Al-La trioxide composite: Synthesis, characterization, and application for fluoride ions removal from the water supply. Journal of Environmental Chemical Engineering, 2021, 9, 106350.	6.7	12
116	Application of Thermally Treated Water Treatment Sludge as a Remarkable Adsorbent Towards Emerging Pollutant Removal from Aqueous Solution. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	1
117	The impact of air pollutants on the degradation of two historic buildings in Bordeaux, France. Urban Climate, 2021, 39, 100927.	5.7	7
118	Optimization of flamboyant-based catalysts functionalized with calcium for fatty acid methyl esters production via transesterification. Fuel, 2021, 302, 121125.	6.4	4
119	A new method of developing ANN-isotherm hybrid models for the determination of thermodynamic parameters in the adsorption of ions Ag ⁺ , Co ²⁺ and Cu ²⁺ onto zeolites ZSM-5, HY, and 4A. Journal of Environmental Chemical Engineering, 2021, 9, 106126.	6.7	14
120	Adsorption of ketoprofen and paracetamol and treatment of a synthetic mixture by novel porous carbon derived from Butia capitata endocarp. Journal of Molecular Liquids, 2021, 339, 117184.	4.9	73
121	Highly effective adsorption of synthetic phenol effluent by a novel activated carbon prepared from fruit wastes of the Ceiba speciosa forest species. Journal of Environmental Chemical Engineering, 2021, 9, 105927.	6.7	51
122	Green synthesis of carbon nanotubes impregnated with metallic nanoparticles: Characterization and application in glyphosate adsorption. Chemosphere, 2021, 283, 131193.	8.2	42
123	Rare earth elements study of Cretaceous coals from Benue Trough basin, Nigeria: Modes of occurrence for greater sustainability of mining. Fuel, 2021, 304, 121468.	6.4	8
124	Adsorptive recovery of butanol, propanol, and ethanol using activated carbon based on residual sludge industrial (ACRS). Journal of Molecular Liquids, 2021, 341, 117452.	4.9	5
125	A statistical physics analysis of the adsorption of Fe ³⁺ , Al ³⁺ and Cu ²⁺ heavy metals on chitosan films via homogeneous and heterogeneous monolayer models. Journal of Molecular Liquids, 2021, 343, 117617.	4.9	12
126	Theoretical analysis of the removal mechanism of Crystal Violet and Acid Red 97 dyes on Agaricus bisporus residue. Journal of Molecular Liquids, 2021, 343, 117621.	4.9	2

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127	Adsorption and mass transfer studies of methylene blue onto comminuted seedpods from <i>Luehea divaricata</i> and <i>Inga laurina</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 20854-20868.	5.3	8
128	Removal of rhodamine B cationic dye using activated carbon. <i>International Journal of Environment and Waste Management</i> , 2021, 28, 263.	0.3	0
129	Development of a biosponge based on <i>Luffa cylindrica</i> and crosslinked chitosan for Allura red AC adsorption. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 1117-1122.	7.5	8
130	Study of mayenite produced from waste eggshell as support for Ni ²⁺ /Co catalysts for biomass tar cracking. <i>Chemical Engineering Research and Design</i> , 2021, 176, 218-228.	5.6	3
131	One step acid modification of the residual bark from <i>Campomanesia guazumifolia</i> using H ₂ SO ₄ and application in the removal of 2,4-dichlorophenoxyacetic from aqueous solution. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2021, 56, 995-1006.	1.5	2
132	Transforming agricultural waste into adsorbent: application of <i>Fagopyrum esculentum</i> wheat husks treated with H ₂ SO ₄ to adsorption of the 2,4-D herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106872.	6.7	22
133	Preparation of activated carbon from the residues of the mushroom (<i>Agaricus bisporus</i>) production chain for the adsorption of the 2,4-dichlorophenoxyacetic herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106843.	6.7	47
134	Efficient removal of naproxen from aqueous solution by highly porous activated carbon produced from Grapetree (<i>Plinia cauliflora</i>) fruit peels. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106820.	6.7	24
135	Indoor Nanoparticle Characterization in Construction Waste Recycling Companies over Time. <i>Sustainability</i> , 2021, 13, 14071.	3.2	2
136	Sisal fiber as an alternative and cost-effective adsorbent for the removal of methylene blue and reactive black 5 dyes from aqueous solutions. <i>Chemical Engineering Communications</i> , 2020, 207, 523-536.	2.6	40
137	Stereographic and energetic studies of acid blue 9 adsorption onto <i>Spirulina platensis</i> (strain) Tj ETQq1 1 0.784314 rgBT /Overdo	2.6	10
138	Adsorption of dyes brilliant blue, sunset yellow and tartrazine from aqueous solution on chitosan: Analytical interpretation via multilayer statistical physics model. <i>Chemical Engineering Journal</i> , 2020, 382, 122952.	12.7	123
139	Chitosan hydrogel scaffold modified with carbon nanotubes and its application for food dyes removal in single and binary aqueous systems. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 85-93.	7.5	41
140	Paddle cactus (<i>Tacinga palmadora</i>) as potential low-cost adsorbent to treat textile effluents containing crystal violet. <i>Chemical Engineering Communications</i> , 2020, 207, 1368-1379.	2.6	16
141	Preparation of a novel magnetic geopolymer/zero-valent iron composite with remarkable adsorption performance towards aqueous Acid Red 97. <i>Chemical Engineering Communications</i> , 2020, 207, 1048-1061.	2.6	16
142	Adsorption of amoxicillin and tetracycline on activated carbon prepared from durian shell in single and binary systems: Experimental study and modeling analysis. <i>Chemical Engineering Journal</i> , 2020, 379, 122320.	12.7	101
143	Analysis of indium (III) adsorption from leachates of LCD screens using artificial neural networks (ANN) and adaptive neuro-fuzzy inference systems (ANIFS). <i>Journal of Hazardous Materials</i> , 2020, 384, 121137.	12.4	33
144	Single and competitive dye adsorption onto chitosan-based hybrid hydrogels using artificial neural network modeling. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 722-729.	9.4	73

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145	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.	4.9	27
146	Adsorption of acid green and procion red on a magnetic geopolymer based adsorbent: Experiments, characterization and theoretical treatment. Chemical Engineering Journal, 2020, 383, 123113.	12.7	61
147	Removal of fluoride from fertilizer industry effluent using carbon nanotubes stabilized in chitosan sponge. Journal of Hazardous Materials, 2020, 388, 122042.	12.4	74
148	Adsorption of a non-steroidal anti-inflammatory drug onto MgAl/LDH-activated carbon composite “Experimental investigation and statistical physics modeling. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124217.	4.7	51
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