

Guilherme Luiz Dotto

List of Publications by Year in descending order

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Version: 2024-02-01

414
papers

16,727
citations

14614

66
h-index

34900

98
g-index

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. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 3947-3964. | 2.9 | 4 |
| 2 | Mass transfer models for the adsorption of 2,4-dichlorophenoxyacetic acid (2,4-D) and atrazine herbicides from agricultural wastewaters. <i>Chemical Engineering Communications</i> , 2023, 210, 247-258. | 1.5 | 5 |
| 3 | Application of fly ash modified by alkaline fusion as an effective adsorbent to remove methyl violet 10B in water. <i>Chemical Engineering Communications</i> , 2022, 209, 184-195. | 1.5 | 4 |
| 4 | Artisanal ceramic factories using wood combustion: A nanoparticles and human health study. <i>Geoscience Frontiers</i> , 2022, 13, 101151. | 4.3 | 5 |
| 5 | An overview of geological originated materials as a trend for adsorption in wastewater treatment. <i>Geoscience Frontiers</i> , 2022, 13, 101150. | 4.3 | 21 |
| 6 | Deposition of nanoparticles on school eyeglasses in urban and rural areas: A methodology for a more real assessment of the possible impacts. <i>Geoscience Frontiers</i> , 2022, 13, 101135. | 4.3 | 3 |
| 7 | Effective adsorptive removal of textile pollutant using coal bottom ash with high surface area obtained by alkaline fusion route. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 2418-2429. | 1.2 | 4 |
| 8 | A review on the environmental impact of phosphogypsum and potential health impacts through the release of nanoparticles. <i>Chemosphere</i> , 2022, 286, 131513. | 4.2 | 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. <i>Environment, Development and Sustainability</i> , 2022, 24, 6349-6371. | 2.7 | 7 |
| 10 | Synthesis of geopolymers from fly and bottom ashes of a thermoelectrical power plant for metallic ions adsorption. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2699-2706. | 2.7 | 6 |
| 11 | Optimization of ketoprofen adsorption from aqueous solutions and simulated effluents using H ₂ SO ₄ activated <i>Campomanesia guazumifolia</i> bark. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2122-2135. | 2.7 | 6 |
| 12 | Effective adsorptive removal of atrazine herbicide in river waters by a novel hydrochar derived from <i>Prunus serrulata</i> bark. <i>Environmental Science and Pollution Research</i> , 2022, 29, 3672-3685. | 2.7 | 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. <i>Environmental Science and Pollution Research</i> , 2022, 29, 16988-17000. | 2.7 | 4 |
| 14 | Freezing effect on the oleuropein content of olive leaves extracts obtained from microwave-assisted extraction. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 10375-10380. | 1.8 | 5 |
| 15 | Synthesis of glutaraldehyde-modified silica/chitosan composites for the removal of water-soluble diclofenac sodium. <i>Carbohydrate Polymers</i> , 2022, 277, 118868. | 5.1 | 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. <i>Chemical Engineering Communications</i> , 2022, 209, 1334-1347. | 1.5 | 7 |
| 17 | Applicability of amethyst mining rejects as a novel photo-fenton catalyst for the abatement of an emerging pollutant in water. <i>Applied Geochemistry</i> , 2022, 136, 105136. | 1.4 | 8 |
| 18 | Effects of atmospheric pollutants on human health and deterioration of medieval historical architecture (North Africa, Tunisia). <i>Urban Climate</i> , 2022, 41, 101046. | 2.4 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A study of single and quaternary adsorption of Cu ²⁺ , Co ²⁺ , Ni ²⁺ and Ag ⁺ on sludge modified by alkaline fusion. <i>Chemical Engineering Journal</i> , 2022, 433, 133674. | 6.6 | 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. <i>Advanced Powder Technology</i> , 2022, 33, 103368. | 2.0 | 13 |
| 21 | Adsorption of atrazine and 2,4-D pesticides on alternative biochars from cedar bark sawdust (<i>Cedrella</i>) Tj ETQq1 1 0.784314 11 BT /Ov | 2.7 | 11 |
| 22 | Development of activated carbon from <i>Schizolobium parahyba</i> (guapuruvu) residues employed for the removal of ketoprofen. <i>Environmental Science and Pollution Research</i> , 2022, 29, 21860-21875. | 2.7 | 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. <i>Environmental Science and Pollution Research</i> , 2022, 29, 25685-25693. | 2.7 | 5 |
| 24 | Adsorption of atrazine herbicide from water by diospyros kaki fruit waste activated carbon. <i>Journal of Molecular Liquids</i> , 2022, 347, 117990. | 2.3 | 27 |
| 25 | Adsorption performance of Food Red 17 dye using an eco-friendly material based on <i>Luffa cylindrica</i> and chitosan. <i>Journal of Molecular Liquids</i> , 2022, 349, 118144. | 2.3 | 9 |
| 26 | Residual peel of pitaya fruit (<i>Hylocereus undatus</i>) as a precursor to obtaining an efficient carbon-based adsorbent for the removal of metanil yellow dye from water. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107006. | 3.3 | 19 |
| 27 | New insights into glyphosate adsorption on modified carbon nanotubes via green synthesis: Statistical physical modeling and steric and energetic interpretations. <i>Chemical Engineering Journal</i> , 2022, 431, 134095. | 6.6 | 16 |
| 28 | Process Parameters Optimization, Characterization, and Application of KOH-Activated Norway Spruce Bark Graphitic Biochars for Efficient Azo Dye Adsorption. <i>Molecules</i> , 2022, 27, 456. | 1.7 | 59 |
| 29 | Effective removal of non-steroidal anti-inflammatory drug from wastewater by adsorption process using acid-treated <i>Fagopyrum esculentum</i> husk. <i>Environmental Science and Pollution Research</i> , 2022, 29, 31085-31098. | 2.7 | 4 |
| 30 | A review of the occurrence, disposal, determination, toxicity and remediation technologies of the tetracycline antibiotic. <i>Chemical Engineering Research and Design</i> , 2022, 160, 25-40. | 2.7 | 86 |
| 31 | Application of biowaste generated by the production chain of pitaya fruit (<i>Hylocereus undatus</i>) as an efficient adsorbent for removal of naproxen in water. <i>Environmental Science and Pollution Research</i> , 2022, 29, 39754-39767. | 2.7 | 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 (<i>Psidium cattleianum</i>) in the preparation of activated carbon with FeCl ₃ for atrazine herbicide adsorption. <i>Chemical Engineering Research and Design</i> , 2022, 180, 67-78. | 2.7 | 24 |
| 34 | Reviewing variables and their implications affecting adsorption of Cr(VI) onto activated carbon: an in-depth statistical case study. <i>Environmental Science and Pollution Research</i> , 2022, 29, 49832-49849. | 2.7 | 1 |
| 35 | An Analysis of Nanoparticles Derived from Coal Fly Ash Incorporated into Concrete. <i>Sustainability</i> , 2022, 14, 3943. | 1.6 | 4 |
| 36 | Understanding the Cu ²⁺ adsorption mechanism on activated carbon using advanced statistical physics modelling. <i>Environmental Science and Pollution Research</i> , 2022, , 1. | 2.7 | 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. | 2.7 | 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. | 1.6 | 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. | 2.7 | 7 |
| 40 | A DFT theoretical and experimental study about tetracycline adsorption onto magnetic graphene oxide. <i>Journal of Molecular Liquids</i> , 2022, 353, 118837. | 2.3 | 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. | 3.3 | 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. | 2.3 | 59 |
| 43 | Environmental Impacts of Coal Nanoparticles from Rehabilitated Mine Areas in Colombia. <i>Sustainability</i> , 2022, 14, 4544. | 1.6 | 2 |
| 44 | Leaching of rare earth elements from phosphogypsum. <i>Chemosphere</i> , 2022, 301, 134661. | 4.2 | 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. | 3.9 | 2 |
| 46 | Adsorption of basic fuchsin using soybean straw hydrolyzed by subcritical water. <i>Environmental Science and Pollution Research</i> , 2022, 29, 68547-68554. | 2.7 | 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. | 2.7 | 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. | 2.7 | 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. | 2.7 | 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, . | 1.6 | 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. | 3.3 | 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. | 2.0 | 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. <i>Journal of Molecular Liquids</i> , 2022, 361, 119639. | 2.3 | 21 |
| 56 | Phosphate removal from industrial wastewaters using layered double hydroxides. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1-11. | 1.2 | 17 |
| 57 | Modeling of fixed-bed dye adsorption using response surface methodology and artificial neural network. <i>Chemical Engineering Communications</i> , 2021, 208, 1081-1092. | 1.5 | 14 |
| 58 | High removal of emerging contaminants from wastewater by activated carbons derived from the shell of cashew of Para. <i>Carbon Letters</i> , 2021, 31, 13-28. | 3.3 | 38 |
| 59 | A tool for realistic study of nanoparticulate coal rejects. <i>Journal of Cleaner Production</i> , 2021, 278, 121916. | 4.6 | 5 |
| 60 | Portable dehumidifiers as an original matrix for the study of inhalable nanoparticles in school. <i>Chemosphere</i> , 2021, 262, 127295. | 4.2 | 2 |
| 61 | Titanium nanoparticles in sedimented dust aggregates from urban children's parks around coal ashes wastes. <i>Fuel</i> , 2021, 285, 119162. | 3.4 | 15 |
| 62 | Soil contamination in Colombian playgrounds: effects of vehicles, construction, and traffic. <i>Environmental Science and Pollution Research</i> , 2021, 28, 166-176. | 2.7 | 14 |
| 63 | Application of <i>Cordia trichotoma</i> sawdust as an effective biosorbent for removal of crystal violet from aqueous solution in batch system and fixed-bed column. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6771-6783. | 2.7 | 26 |
| 64 | Adsorption of ibuprofen, ketoprofen, and paracetamol onto activated carbon prepared from effluent treatment plant sludge of the beverage industry. <i>Chemosphere</i> , 2021, 262, 128322. | 4.2 | 168 |
| 65 | Microplastics physicochemical properties, specific adsorption modeling and their interaction with pharmaceuticals and other emerging contaminants. <i>Science of the Total Environment</i> , 2021, 753, 141981. | 3.9 | 83 |
| 66 | Hazardous elements in the soil of urban cemeteries; constructive solutions aimed at sustainability. <i>Chemosphere</i> , 2021, 262, 128248. | 4.2 | 26 |
| 67 | Transforming pods of the species <i>Capparis flexuosa</i> into effective biosorbent to remove blue methylene and bright blue in discontinuous and continuous systems. <i>Environmental Science and Pollution Research</i> , 2021, 28, 8036-8049. | 2.7 | 5 |
| 68 | Successful adsorption of bright blue and methylene blue on modified pods of <i>Caesalpinia echinata</i> in discontinuous system. <i>Environmental Science and Pollution Research</i> , 2021, 28, 8407-8420. | 2.7 | 12 |
| 69 | Interpretation of diclofenac adsorption onto ZnFe ₂ O ₄ /chitosan magnetic composite via BET modified model by using statistical physics formalism. <i>Journal of Molecular Liquids</i> , 2021, 327, 114858. | 2.3 | 6 |
| 70 | Current scenario and challenges in using plastic wastes as oil absorbents. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104822. | 3.3 | 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. <i>Chemical Engineering Journal</i> , 2021, 420, 127712. | 6.6 | 32 |
| 72 | High-performance removal of 2,4-dichlorophenoxyacetic acid herbicide in water using activated carbon derived from Queen palm fruit endocarp (<i>Syagrus romanzoffiana</i>). <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104911. | 3.3 | 79 |

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|----|---|-----|-----------|
| 73 | Effective adsorption of dyes on an activated carbon prepared from carboxymethyl cellulose: Experiments, characterization and advanced modelling. <i>Chemical Engineering Journal</i> , 2021, 417, 128116. | 6.6 | 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. <i>Journal of Cleaner Production</i> , 2021, 278, 123982. | 4.6 | 27 |
| 75 | Analysis of adsorption isotherms of Ag ⁺ , Co ²⁺ , and Cu ²⁺ onto zeolites using computational intelligence models. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104960. | 3.3 | 25 |
| 76 | Adsorbents for glyphosate removal in contaminated waters: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1525-1543. | 8.3 | 48 |
| 77 | Forecasting the multicomponent adsorption of nimesulide and paracetamol through artificial neural network. <i>Chemical Engineering Journal</i> , 2021, 412, 127527. | 6.6 | 53 |
| 78 | Transforming shrub waste into a high-efficiency adsorbent: Application of <i>Physalis peruviana</i> chalice treated with strong acid to remove the 2,4-dichlorophenoxyacetic acid herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104574. | 3.3 | 56 |
| 79 | Macro-fungal (<i>Agaricus bisporus</i>) wastes as an adsorbent in the removal of the acid red 97 and crystal violet dyes from ideal colored effluents. <i>Environmental Science and Pollution Research</i> , 2021, 28, 405-415. | 2.7 | 24 |
| 80 | Application of seed residues from <i>Anadenanthera macrocarpa</i> and <i>Cedrela fissilis</i> as alternative adsorbents for remarkable removal of methylene blue dye in aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2342-2354. | 2.7 | 23 |
| 81 | Modified wheat straw-derived graphene for the removal of Eriochrome Black T: characterization, isotherm, and kinetic studies. <i>Environmental Science and Pollution Research</i> , 2021, 28, 3556-3565. | 2.7 | 30 |
| 82 | Adsorption: Fundamental aspects and applications of adsorption for effluent treatment. , 2021, , 41-88. | | 48 |
| 83 | Chitosan-Based Magnetic Adsorbents. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 435-465. | 0.3 | 0 |
| 84 | Environmental aspects of the depreciation of the culturally significant Wall of Cartagena de Indias in Colombia. <i>Chemosphere</i> , 2021, 265, 129119. | 4.2 | 10 |
| 85 | Chitosan-Coated Glass Beads in a Fluidized Bed for Use in Fixed-Bed Dye Adsorption. <i>Chemical Engineering and Technology</i> , 2021, 44, 631-638. | 0.9 | 2 |
| 86 | Sustainable Release of Macronutrients to Black Oat and Maize Crops from Organically-Altered Dacite Rock Powder. <i>Natural Resources Research</i> , 2021, 30, 1941-1953. | 2.2 | 7 |
| 87 | Adsorption investigation of 2,4-D herbicide on acid-treated peanut (<i>Arachis hypogaea</i>) skins. <i>Environmental Science and Pollution Research</i> , 2021, 28, 36453-36463. | 2.7 | 14 |
| 88 | Hydrogen production automatic control in continuous microbial electrolysis cells reactors used in wastewater treatment. <i>Journal of Environmental Management</i> , 2021, 281, 111869. | 3.8 | 11 |
| 89 | Carbon nanotubes impregnated with metallic nanoparticles and their application as an adsorbent for the glyphosate removal in an aqueous matrix. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105178. | 3.3 | 38 |
| 90 | Nanoparticles in fossil and mineral fuel sectors and their impact on environment and human health: A review and perspective. <i>Gondwana Research</i> , 2021, 92, 184-201. | 3.0 | 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. | 3.3 | 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. | 2.7 | 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. | 4.2 | 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. | 2.3 | 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. | 3.0 | 10 |
| 96 | Chitin-psyllium based aerogel for the efficient removal of crystal violet from aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2021, 179, 366-376. | 3.6 | 28 |
| 97 | Make it clean, make it safe: A review on virus elimination via adsorption. <i>Chemical Engineering Journal</i> , 2021, 412, 128682. | 6.6 | 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. | 0.7 | 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. | 1.2 | 48 |
| 100 | An overview of forest residues as promising low-cost adsorbents. <i>Gondwana Research</i> , 2021, , . | 3.0 | 14 |
| 101 | Eco-friendly extraction for the recovery of bioactive compounds from Brazilian olive leaves. <i>Sustainable Materials and Technologies</i> , 2021, 28, e00276. | 1.7 | 15 |
| 102 | Nanoparticles and interfaces with toxic elements in fluvial suspended sediment. <i>Marine Pollution Bulletin</i> , 2021, 168, 112405. | 2.3 | 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. | 2.3 | 40 |
| 104 | Nanoparticles as vectors of other contaminants in estuarine suspended sediments: Natural and real conditions. <i>Marine Pollution Bulletin</i> , 2021, 168, 112429. | 2.3 | 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. | 3.3 | 21 |
| 106 | From cellulose to graphene-like porous carbon nanosheets. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111217. | 2.2 | 18 |
| 107 | Dispersion of hazardous nanoparticles on beaches around phosphogypsum factories. <i>Marine Pollution Bulletin</i> , 2021, 169, 112493. | 2.3 | 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. | 2.3 | 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. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105320. | 3.3 | 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. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 125, 141-152. | 2.7 | 81 |
| 111 | Oil field-produced water treatment: characterization, photochemical systems, and combined processes. <i>Environmental Science and Pollution Research</i> , 2021, 28, 52744-52763. | 2.7 | 10 |
| 112 | Development of highly porous activated carbon from <i>Jacaranda mimosifolia</i> seed pods for remarkable removal of aqueous-phase ketoprofen. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105676. | 3.3 | 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. <i>Science of the Total Environment</i> , 2021, 783, 146991. | 3.9 | 33 |
| 114 | Implementation of a multilayer statistical physics model to interpret the adsorption of food dyes on a chitosan film. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105516. | 3.3 | 34 |
| 115 | A novel Fe-Al-La trioxide composite: Synthesis, characterization, and application for fluoride ions removal from the water supply. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106350. | 3.3 | 12 |
| 116 | Application of Thermally Treated Water Treatment Sludge as a Remarkable Adsorbent Towards Emerging Pollutant Removal from Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1. | 1.1 | 1 |
| 117 | The impact of air pollutants on the degradation of two historic buildings in Bordeaux, France. <i>Urban Climate</i> , 2021, 39, 100927. | 2.4 | 7 |
| 118 | Optimization of flamboyant-based catalysts functionalized with calcium for fatty acid methyl esters production via transesterification. <i>Fuel</i> , 2021, 302, 121125. | 3.4 | 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. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106126. | 3.3 | 14 |
| 120 | Adsorption of ketoprofen and paracetamol and treatment of a synthetic mixture by novel porous carbon derived from <i>Butia capitata</i> endocarp. <i>Journal of Molecular Liquids</i> , 2021, 339, 117184. | 2.3 | 73 |
| 121 | Highly effective adsorption of synthetic phenol effluent by a novel activated carbon prepared from fruit wastes of the <i>Ceiba speciosa</i> forest species. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105927. | 3.3 | 51 |
| 122 | Green synthesis of carbon nanotubes impregnated with metallic nanoparticles: Characterization and application in glyphosate adsorption. <i>Chemosphere</i> , 2021, 283, 131193. | 4.2 | 42 |
| 123 | Rare earth elements study of Cretaceous coals from Benue Trough basin, Nigeria: Modes of occurrence for greater sustainability of mining. <i>Fuel</i> , 2021, 304, 121468. | 3.4 | 8 |
| 124 | Adsorptive recovery of butanol, propanol, and ethanol using activated carbon based on residual sludge industrial (ACRS). <i>Journal of Molecular Liquids</i> , 2021, 341, 117452. | 2.3 | 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. <i>Journal of Molecular Liquids</i> , 2021, 343, 117617. | 2.3 | 12 |
| 126 | Theoretical analysis of the removal mechanism of Crystal Violet and Acid Red 97 dyes on <i>Agaricus bisporus</i> residue. <i>Journal of Molecular Liquids</i> , 2021, 343, 117621. | 2.3 | 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. | 2.7 | 8 |
| 128 | Removal of rhodamine B cationic dye using activated carbon. <i>International Journal of Environment and Waste Management</i> , 2021, 28, 263. | 0.2 | 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. | 3.6 | 8 |
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