

# Eder C Lima

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6575011/eder-c-lima-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	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. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 273, 425-434	6	640
258	Removal of emerging contaminants from the environment by adsorption. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 150, 1-17	7	443
257	Methylene blue biosorption from aqueous solutions by yellow passion fruit waste. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 150, 703-12	12.8	273
256	Adsorption of Reactive Red M-2BE dye from water solutions by multi-walled carbon nanotubes and activated carbon. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 192, 1122-31	12.8	266
255	Microwave-assisted activated carbon from cocoa shell as adsorbent for removal of sodium diclofenac and nimesulide from aqueous effluents. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 289, 18-27	12.8	220
254	Applications of Brazilian pine-fruit shell in natural and carbonized forms as adsorbents to removal of methylene blue from aqueous solutions--kinetic and equilibrium study. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 164, 1213-22	12.8	216
253	Adsorption of rare earth metals: A review of recent literature. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 221, 954-962	6	213
252	Comparison of Spirulina platensis microalgae and commercial activated carbon as adsorbents for the removal of Reactive Red 120 dye from aqueous effluents. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 241-242, 146-53	12.8	189
251	Pecan nutshell as biosorbent to remove Cu(II), Mn(II) and Pb(II) from aqueous solutions. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 162, 270-80	12.8	184
250	Removal of Congo red from aqueous solution by anilinepropylsilica xerogel. <i>Dyes and Pigments</i> , <b>2008</b> , 76, 64-69	4.6	181
249	Removal of remazol black B textile dye from aqueous solution by adsorption. <i>Desalination</i> , <b>2011</b> , 269, 92-103	10.3	168
248	Adsorption of Methylene Blue by ultrasonic surface modified chitin. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 446, 133-40	9.3	166
247	Application of cupuassu shell as biosorbent for the removal of textile dyes from aqueous solution. <i>Journal of Environmental Management</i> , <b>2011</b> , 92, 1237-47	7.9	155
246	Adsorption of Brilliant Red 2BE dye from water solutions by a chemically modified sugarcane bagasse lignin. <i>Chemical Engineering Journal</i> , <b>2011</b> , 168, 620-628	14.7	139
245	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. <i>Journal of Cleaner Production</i> , <b>2018</b> , 171, 30-44	10.3	137
244	Application of Brazilian pine-fruit shell as a biosorbent to removal of reactive red 194 textile dye from aqueous solution kinetics and equilibrium study. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 155, 536-50	12.8	135
243	Adsorption of Reactive Blue 4 dye from water solutions by carbon nanotubes: experiment and theory. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 11139-53	3.6	133

242	Comparison of <i>Jatropha curcas</i> shells in natural form and treated by non-thermal plasma as biosorbents for removal of Reactive Red 120 textile dye from aqueous solution. <i>Industrial Crops and Products</i> , <b>2013</b> , 46, 328-340	5.9	132
241	Application of carbon adsorbents prepared from the Brazilian pine-fruit-shell for the removal of Procion Red MX 3B from aqueous solution Kinetic, equilibrium, and thermodynamic studies. <i>Chemical Engineering Journal</i> , <b>2009</b> , 155, 627-636	14.7	129
240	Adsorption of Direct Blue 53 dye from aqueous solutions by multi-walled carbon nanotubes and activated carbon. <i>Journal of Environmental Management</i> , <b>2013</b> , 130, 166-75	7.9	127
239	Biosorption of food dyes onto <i>Spirulina platensis</i> nanoparticles: equilibrium isotherm and thermodynamic analysis. <i>Bioresource Technology</i> , <b>2012</b> , 103, 123-30	11	122
238	Comparison of a homemade cocoa shell activated carbon with commercial activated carbon for the removal of reactive violet 5 dye from aqueous solutions. <i>Chemical Engineering Journal</i> , <b>2014</b> , 248, 315-326	14.7	120
237	Innovative spherical biochar for pharmaceutical removal from water: Insight into adsorption mechanism. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 394, 122255	12.8	119
236	Adsorption of sodium diclofenac on graphene: a combined experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 1526-36	3.6	119
235	Chitosan/polyamide nanofibers prepared by Forcespinning technology: A new adsorbent to remove anionic dyes from aqueous solutions. <i>Journal of Cleaner Production</i> , <b>2017</b> , 144, 120-129	10.3	111
234	Application of carbon adsorbents prepared from Brazilian-pine fruit shell for the removal of reactive orange 16 from aqueous solution: Kinetic, equilibrium, and thermodynamic studies. <i>Journal of Environmental Management</i> , <b>2010</b> , 91, 1695-706	7.9	110
233	A useful organofunctionalized layered silicate for textile dye removal. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 181, 366-74	12.8	109
232	Application of Brazilian-pine fruit coat as a biosorbent to removal of Cr(VI) from aqueous solution Kinetics and equilibrium study. <i>Biochemical Engineering Journal</i> , <b>2008</b> , 42, 67-76	4.2	107
231	Preparation, characterization and application of microwave-assisted activated carbons from wood chips for removal of phenol from aqueous solution. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 223, 1067-1080	6	106
230	A novel route for preparation of chemically activated carbon from pistachio wood for highly efficient Pb(II) sorption. <i>Journal of Environmental Management</i> , <b>2019</b> , 236, 34-44	7.9	102
229	Adsorption mechanism of hexavalent chromium onto layered double hydroxides-based adsorbents: A systematic in-depth review. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 373, 258-270	12.8	101
228	Production of porous activated carbons from <i>Caesalpinia ferrea</i> seed pod wastes: Highly efficient removal of captopril from aqueous solutions. <i>Journal of Cleaner Production</i> , <b>2018</b> , 197, 919-929	10.3	101
227	Efficient removal of amoxicillin and paracetamol from aqueous solutions using magnetic activated carbon. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 5918-5932	5.1	98
226	Adsorption of Procion Blue MX-R dye from aqueous solutions by lignin chemically modified with aluminium and manganese. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 268, 43-50	12.8	98
225	Formosa papaya seed powder (FPSP): Preparation, characterization and application as an alternative adsorbent for the removal of crystal violet from aqueous phase. <i>Journal of Environmental Chemical Engineering</i> , <b>2014</b> , 2, 230-238	6.8	96

224	Microwave-assisted activated carbon obtained from the sludge of tannery-treatment effluent plant for removal of leather dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 504, 105-115	5.1	96
223	Statistical design of experiments as a tool for optimizing the batch conditions to Cr(VI) biosorption on Araucaria angustifolia wastes. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 133, 143-53	12.8	94
222	Application of Mangifera indica (mango) seeds as a biosorbent for removal of Victazol Orange 3R dye from aqueous solution and study of the biosorption mechanism. <i>Chemical Engineering Journal</i> , <b>2012</b> , 209, 577-588	14.7	92
221	Statistical design of experiments as a tool for optimizing the batch conditions to methylene blue biosorption on yellow passion fruit and mandarin peels. <i>Dyes and Pigments</i> , <b>2007</b> , 72, 256-266	4.6	92
220	Adsorption of Cu(II) on Araucaria angustifolia wastes: determination of the optimal conditions by statistic design of experiments. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 140, 211-20	12.8	88
219	Yellow passion-fruit shell as biosorbent to remove Cr(III) and Pb(II) from aqueous solution. <i>Separation and Purification Technology</i> , <b>2007</b> , 57, 193-198	8.3	88
218	Agricultural biomass/waste as adsorbents for toxic metal decontamination of aqueous solutions. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 295, 111684	6	87
217	Efficient acetaminophen removal from water and hospital effluents treatment by activated carbons derived from Brazil nutshells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 583, 123966	5.1	81
216	Use of Ponkan mandarin peels as biosorbent for toxic metals uptake from aqueous solutions. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 137, 527-33	12.8	81
215	Development of a new adsorbent from agro-industrial waste and its potential use in endocrine disruptor compound removal. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 271, 311-20	12.8	80
214	Organofunctionalized kenyaite for dye removal from aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 336, 398-405	9.3	80
213	Evaluation of tungsten-rhodium coating on an integrated platform as a permanent chemical modifier for cadmium, lead, and selenium determination by electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>1998</b> , 53, 1791-1804	3.1	77
212	Adsorption of Alizarin Red S Dye by Carbon Nanotubes: An Experimental and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 18296-18306	3.8	75
211	Hybrid adsorbents of tannin and APTES (3-aminopropyltriethoxysilane) and their application for the highly efficient removal of acid red 1 dye from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 4307-4318	6.8	72
210	Application of Aqai Stalks as Biosorbents for the Removal of the Dye Procion Blue MX-R from Aqueous Solution. <i>Separation Science and Technology</i> , <b>2012</b> , 47, 513-526	2.5	72
209	Comparison of ultrasound-assisted extraction, slurry sampling and microwave-assisted digestion for cadmium, copper and lead determination in biological and sediment samples by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2000</b> , 15, 995-1000	3.7	72
208	Microwave-activated carbons from tucumú (Astrocaryum aculeatum) seed for efficient removal of 2-nitrophenol from aqueous solutions. <i>Environmental Technology (United Kingdom)</i> , <b>2018</b> , 39, 1173-1187	2.6	70
207	Removal of Brilliant Green Dye from Aqueous Solutions Using Home Made Activated Carbons. <i>Clean - Soil, Air, Water</i> , <b>2010</b> , 38, 521-532	1.6	70

206	SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. <i>Environmental Research</i> , <b>2021</b> , 193, 110265	7.9	69
205	The use of design of experiments for the evaluation of the production of surface rich activated carbon from sewage sludge via microwave and conventional pyrolysis. <i>Applied Thermal Engineering</i> , <b>2016</b> , 93, 590-597	5.8	68
204	Pecan Nutshell as Biosorbent to Remove Toxic Metals from Aqueous Solution. <i>Separation Science and Technology</i> , <b>2009</b> , 44, 615-644	2.5	67
203	Peanut shells-derived biochars prepared from different carbonization processes: Comparison of characterization and mechanism of naproxen adsorption in water. <i>Science of the Total Environment</i> , <b>2020</b> , 726, 137828	10.2	65
202	Effects of first-row transition metals and impregnation ratios on the physicochemical properties of microwave-assisted activated carbons from wood biomass. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 486, 163-175	9.3	64
201	Factorial experimental design for biosorption of iron and zinc using <i>Typha domingensis</i> phytomass. <i>Desalination</i> , <b>2009</b> , 249, 343-347	10.3	63
200	Comparison of the nonlinear and linear forms of the van't Hoff equation for calculation of adsorption thermodynamic parameters ( $\Delta S^\circ$ and $\Delta H^\circ$ ). <i>Journal of Molecular Liquids</i> , <b>2020</b> , 311, 113315	6	62
199	Activated carbons from avocado seed: optimisation and application for removal of several emerging organic compounds. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 7647-7661	5.1	62
198	Use of statistical design of experiments to evaluate the sorption capacity of 1,4-diazoniabicyclo[2.2.2]octane/silica chloride for Cr(VI) adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 297, 240-248	5.1	62
197	Removal of Cu(II), Fe(III), and Cr(III) from Aqueous Solution by Aniline Grafted Silica Gel. <i>Separation Science and Technology</i> , <b>2007</b> , 42, 591-609	2.5	62
196	Preparation of novel adsorbents based on combinations of polysiloxanes and sewage sludge to remove pharmaceuticals from aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 497, 304-315	5.1	61
195	New insights into single-compound and binary adsorption of copper and lead ions on a treated sea mango shell: experimental and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 25927-25937	3.6	61
194	Microbial desalination cell technology: Contribution to sustainable waste water treatment process, current status and future applications. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 3468-3478	6.8	60
193	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 - <i>Journal of Molecular Liquids</i> 273 (2019) 425-434. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 280, 298-300	6	59
192	Is one performing the treatment data of adsorption kinetics correctly?. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104813	6.8	59
191	Thermodynamic and kinetic study of synthesised graphene oxide-CuO nanocomposites: A way forward to fuel additive and photocatalytic potentials. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 313, 113494	6	57
190	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. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 21807-21820	5.1	55
189	Conductive polymers in water treatment: A review. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 312, 113447	6	54

188	Use of chicken feather and eggshell to synthesize a novel magnetized activated carbon for sorption of heavy metal ions. <i>Bioresource Technology</i> , <b>2020</b> , 297, 122452	11	53
187	Evaluation of Rh, Ir, Ru, W <sup>Bh</sup> , W <sup>I</sup> and W <sup>Bu</sup> as permanent modifiers for the determination of lead in ashes, coals, sediments, sludges, soils, and freshwaters by electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>2003</b> , 484, 233-242	6.6	52
186	Removal of atrazine as an organic micro-pollutant from aqueous solutions: a comparative study. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 103, 23-35	5.5	52
185	Ionic silica based hybrid material containing the pyridinium group used as an adsorbent for textile dye. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 378, 10-20	9.3	51
184	Determination of ytterbium in animal faeces by tungsten coil electrothermal atomic absorption spectrometry. <i>Talanta</i> , <b>1998</b> , 47, 613-23	6.2	51
183	Removal of captopril pharmaceutical from synthetic pharmaceutical-industry wastewaters: Use of activated carbon derived from <i>Butia catarinensis</i> . <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104506	6.8	51
182	Global soil pollution by toxic elements: Current status and future perspectives on the risk assessment and remediation strategies - A review. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 417, 126039	12.8	50
181	New insights into the adsorption of crystal violet dye on functionalized multi-walled carbon nanotubes: Experiments, statistical physics and COSMOBS models application. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 248, 890-897	6	49
180	Removal of tetracycline antibiotic from contaminated water media by multi-walled carbon nanotubes: operational variables, kinetics, and equilibrium studies. <i>Water Science and Technology</i> , <b>2016</b> , 74, 1202-16	2.2	49
179	New carbon composite adsorbents for the removal of textile dyes from aqueous solutions: Kinetic, equilibrium, and thermodynamic studies. <i>Korean Journal of Chemical Engineering</i> , <b>2014</b> , 31, 1470-1479	2.8	47
178	Electrochemical behaviour of [Ru(4,4'-Me <sub>2</sub> bpy) <sub>2</sub> (PPh <sub>3</sub> )(H <sub>2</sub> O)](ClO <sub>4</sub> ) <sub>2</sub> in homogeneous solution and incorporated into a carbon paste electrode. Application to oxidations of benzylic compounds. <i>Polyhedron</i> , <b>1998</b> , 17, 313-318	2.7	47
177	Determination of cadmium, copper and lead in mineral coal using solid sampling graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2001</b> , 56, 1859-1873	3.1	46
176	On-line coupling of electrochemical preconcentration in tungsten coil electrothermal atomic absorption spectrometry for determination of lead in natural waters. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>1999</b> , 54, 1155-1166	3.1	46
175	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. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 398, 122903	12.8	45
174	Mesoporous NbO/SiO material obtained by sol-gel method and applied as adsorbent of crystal violet dye. <i>Environmental Technology (United Kingdom)</i> , <b>2017</b> , 38, 566-578	2.6	44
173	Adsorption of amoxicillin and paracetamol on modified activated carbons: Equilibrium and positional entropy studies. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 234, 375-381	6	44
172	Activated carbon obtained from sapelli wood sawdust by microwave heating for o-cresol adsorption. <i>Research on Chemical Intermediates</i> , <b>2017</b> , 43, 1063-1087	2.8	44
171	Determination of arsenic in sediment and soil slurries by electrothermal atomic absorption spectrometry using W <sup>Bh</sup> permanent modifier. <i>Analyst, The</i> , <b>2000</b> , 125, 2079-2083	5	44

170	Tungsten-rhodium permanent chemical modifier for cadmium determination in fish slurries by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1999</b> , 14, 269-274	3.7	44
169	Factorial design for optimization of flow-injection preconcentration procedure for copper(II) determination in natural waters, using 2-aminomethylpyridine grafted silica gel as adsorbent and spectrophotometric detection. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2005</b> , 83, 475-481	1.8	43
168	Removal of micropollutants from municipal wastewater using different types of activated carbons. <i>Journal of Environmental Management</i> , <b>2021</b> , 278, 111302	7.9	43
167	Synthesis of a novel CoFeO/chitosan magnetic composite for fast adsorption of indigotine blue dye. <i>Carbohydrate Polymers</i> , <b>2019</b> , 217, 6-14	10.3	42
166	Activated carbon from avocado seeds for the removal of phenolic compounds from aqueous solutions. <i>Journal of Environmental Management</i> , <b>2016</b> , 168-181		42
165	Preparation, characterization, and application of activated carbon from low-cost material for the adsorption of tetracycline antibiotic from aqueous solutions. <i>Water Science and Technology</i> , <b>2016</b> , 74, 2349-2363	2.2	42
164	Application of graphene based materials for adsorption of pharmaceutical traces from water and wastewater- a review. <i>Desalination and Water Treatment</i> , <b>2016</b> , 1-14		42
163	Avocado seed powder: characterization and its application for crystal violet dye removal from aqueous solutions. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 15873-15888		41
162	Improvement of activated carbon characteristics by sonication and its application for pharmaceutical contaminant adsorption. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 24713-24725	5.1	41
161	4-Phenylenediaminepropylsilica xerogel as a sorbent for copper determination in waters by slurry-sampling ETAAS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2003</b> , 18, 376-380	3.7	41
160	Tungsten-rhodium permanent chemical modifier for lead determination in digests of biological materials and sediments by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1999</b> , 14, 1601-1605	3.7	41
159	Kinetic, equilibrium, and thermodynamic studies on the adsorption of ciprofloxacin by activated carbon produced from <i>Jerivá</i> ( <i>Syagrus romanzoffiana</i> ). <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 4690-4702	5.1	41
158	Lead determination in slurries of biological materials by ETAAS using a W-Rh permanent modifier. <i>Fresenius Journal of Analytical Chemistry</i> , <b>2001</b> , 369, 496-501		40
157	Copper determination in biological materials by ETAAS using W-Rh permanent modifier. <i>Talanta</i> , <b>2002</b> , 57, 177-86	6.2	40
156	Effect of concrete carbonation on phosphate removal through adsorption process and its potential application as fertilizer. <i>Journal of Cleaner Production</i> , <b>2020</b> , 256, 120416	10.3	39
155	Removal of amoxicillin from simulated hospital effluents by adsorption using activated carbons prepared from capsules of cashew of Para. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 16396-16408	5.1	38
154	Single and binary adsorption of cobalt and methylene blue on modified chitin: Application of the Hill and exclusive extended Hill models. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 233, 543-550	6	38
153	Sodic and Acidic Crystalline Lamellar Magadiite Adsorbents for the Removal of Methylene Blue from Aqueous Solutions: Kinetic and Equilibrium Studies. <i>Separation Science and Technology</i> , <b>2009</b> , 45, 129-141	2.5	38

152	Fungal biomass as biosorbent for the removal of Acid Blue 161 dye in aqueous solution. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 4200-4209	5.1	37
151	Application of Aqai Stalks As Biosorbents for the Removal of the Dyes Reactive Black 5 and Reactive Orange 16 from Aqueous Solution. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 1857-1868	2.8	37
150	The use of tungsten rhenium permanent chemical modifier for cadmium determination in decomposed samples of biological materials and sediments by electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>2000</b> , 409, 267-274	6.6	37
149	Adsorption and recovery of phosphate from aqueous solution by the construction and demolition wastes sludge and its potential use as phosphate-based fertiliser. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103605	6.8	37
148	Heavy metals contribution of non-aqueous fluids used in offshore oil drilling. <i>Fuel</i> , <b>2005</b> , 84, 53-61	7.1	36
147	Evaluation of different permanent modifiers for the determination of arsenic, cadmium and lead in environmental samples by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2002</b> , 17, 1523-1529	3.7	36
146	Sustainable Biomass Activated Carbons as Electrodes for Battery and Supercapacitors-A Mini-Review. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	36
145	Adsorption of diclofenac and nimesulide on activated carbon: Statistical physics modeling and effect of adsorbate size. <i>Journal of Physics and Chemistry of Solids</i> , <b>2017</b> , 109, 117-123	3.9	35
144	Adsorption of dyes acid red 1 and acid green 25 on grafted clay: Modeling and statistical physics interpretation. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 294, 111610	6	35
143	Activated carbon from sewage sludge for removal of sodium diclofenac and nimesulide from aqueous solutions. <i>Korean Journal of Chemical Engineering</i> , <b>2016</b> , 33, 3149-3161	2.8	35
142	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. <i>Chemical Engineering Communications</i> , <b>2018</b> , 205, 1520-1536	2.2	35
141	Cellulose-g-poly-(acrylamide-co-acrylic acid) polymeric bioadsorbent for the removal of toxic inorganic pollutants from wastewaters. <i>Carbohydrate Polymers</i> , <b>2020</b> , 228, 115396	10.3	35
140	Synthesis and characterization of biopolymers functionalized with APTES (3-aminopropyltriethoxysilane) for the adsorption of sunset yellow dye. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103410	6.8	34
139	Activated Carbon from Sewage Sludge for Preconcentration of Copper. <i>Analytical Letters</i> , <b>2016</b> , 49, 541-555		34
138	Conversion of Eragrostis plana Nees leaves to activated carbon by microwave-assisted pyrolysis for the removal of organic emerging contaminants from aqueous solutions. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 23315-23327	5.1	34
137	Cellulose microfiber functionalized with N,N'-bis (2-aminoethyl)-1,2-ethanediamine as a solid sorbent for the fast preconcentration of Cd(II) in flow system analysis. <i>Talanta</i> , <b>2011</b> , 85, 2417-24	6.2	34
136	Methylene blue immobilized on cellulose acetate with titanium dioxide: an application as sensor for ascorbic acid. <i>Journal of the Brazilian Chemical Society</i> , <b>2008</b> , 19, 943-949	1.5	34
135	Adsorption of a textile dye from aqueous solutions by carbon nanotubes. <i>Materials Research</i> , <b>2014</b> , 17, 153-160	1.5	33



134	Use of statistical design of experiments to evaluate the sorption capacity of 7-amine-4-azaheptylsilica and 10-amine-4-azadecylsilica for Cu(II), Pb(II), and Fe(III) adsorption. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 302, 396-407	9.3	33
133	Tungsten-Rhodium permanent chemical modifier for lead determination in sediment slurries by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1999</b> , 14, 1913-1918	3.7	33
132	Efficient adsorbent based on construction and demolition wastes functionalized with 3-aminopropyltriethoxysilane (APTES) for the removal ciprofloxacin from hospital synthetic effluents. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103875	6.8	31
131	Synthesis and characterisation of activated carbon from agroindustrial waste Preliminary study of 17-Estradiol removal from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 2128-2137	6.8	31
130	Fabrication, microstructure, and properties of fired clay bricks using construction and demolition waste sludge as the main additive. <i>Journal of Cleaner Production</i> , <b>2020</b> , 258, 120733	10.3	30
129	Silica grafted with a silsesquioxane containing the positively charged 1,4-diazoniabicyclo[2.2.2]octane group used as adsorbent for anionic dye removal. <i>Desalination</i> , <b>2010</b> , 258, 128-135	10.3	30
128	Microplastics physicochemical properties, specific adsorption modeling and their interaction with pharmaceuticals and other emerging contaminants. <i>Science of the Total Environment</i> , <b>2021</b> , 753, 141981	10.2	30
127	Alternative treatments to improve the potential of rice husk as adsorbent for methylene blue. <i>Water Science and Technology</i> , <b>2017</b> , 75, 296-305	2.2	29
126	Comparison of a Homemade Bacuri Shell Activated Carbon With Carbon Nanotubes for Food Dye Removal. <i>Clean - Soil, Air, Water</i> , <b>2015</b> , 43, 1389-1400	1.6	29
125	Green synthesis of ZnO nanoparticles from Syzygium Cumini leaves extract with robust photocatalysis applications. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 335, 116567	6	29
124	Novel kaolin/polysiloxane based organic-inorganic hybrid materials: Sol-gel synthesis, characterization and photocatalytic properties. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 260, 106-116	3.3	28
123	Fixed bed adsorption of Methylene Blue by ultrasonic surface modified chitin supported on sand. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 100, 302-310	5.5	27
122	Removal of Phenolic Compounds from Aqueous Solutions Using Sludge-Based Activated Carbons Prepared by Conventional Heating and Microwave-Assisted Pyrolysis. <i>Water, Air, and Soil Pollution</i> , <b>2017</b> , 228, 1	2.6	26
121	Interpretations about methylene blue adsorption by surface modified chitin using the statistical physics treatment. <i>Adsorption</i> , <b>2015</b> , 21, 557-564	2.6	26
120	Dabco/silica sol-gel hybrid material. The influence of the morphology on the CdCl <sub>2</sub> adsorption capacity. <i>Materials Letters</i> , <b>2004</b> , 58, 895-898	3.3	25
119	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> , <b>2021</b> , 125, 141-152	5.3	24
118	Use of 7-amine-4-azaheptylsilica and 10-amine-4-azadecylsilica xerogels as adsorbent for Pb(II): Kinetic and equilibrium study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 316, 297-306	5.1	23
117	Catalytic Activity of Pt Loaded Zeolites for Hydroisomerization of n-Hexane Using Supercritical CO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 22092-22106	3.9	22

116	Punica granatum Shell Preparation, Characterization, and Use for Crystal Violet Removal from Aqueous Solution. <i>Clean - Soil, Air, Water</i> , <b>2014</b> , 42, 939-946	1.6	22
115	Adsorption of anti-inflammatory nimesulide by graphene materials: a combined theoretical and experimental study. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 22099-22110	3.6	22
114	Application of aqai stalks as biosorbent for the removal of Evans Blue and Vilmafix Red RR-2B dyes from aqueous solutions. <i>Desalination and Water Treatment</i> , <b>2013</b> , 51, 4582-4592		22
113	Green CoNi <sub>2</sub> S <sub>4</sub> /porphyrin decorated carbon-based nanocomposites for genetic materials detection. <i>Journal of Bioresources and Bioproducts</i> , <b>2021</b> , 6, 215-222	18.7	22
112	Combination of solar photo-Fenton and adsorption process for removal of the anticancer drug Flutamide and its transformation products from hospital wastewater. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 396, 122699	12.8	22
111	Treatment of leachates containing cobalt by adsorption on Spirulina sp. and activated charcoal. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 677-685	6.8	21
110	Preparation, characterization of titanate nanosheet/bozzolan nanocomposite and its use as an adsorbent for removal of diclofenac from simulated hospital effluents. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 102, 321-329	5.3	21
109	Process modeling, characterization, optimization, and mechanisms of fluoride adsorption using magnetic agro-based adsorbent. <i>Journal of Environmental Management</i> , <b>2021</b> , 286, 112173	7.9	21
108	Adsorption mechanism of Zn, Ni, Cd, and Cu ions by carbon-based adsorbents: interpretation of the adsorption isotherms via physical modelling. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 30943-30954	5.1	21
107	Physicochemical modeling of reactive violet 5 dye adsorption on home-made cocoa shell and commercial activated carbons using the statistical physics theory. <i>Results in Physics</i> , <b>2017</b> , 7, 233-237	3.7	20
106	Grafting of Amine functional group on silicate based material as adsorbent for water purification: A short review. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 3192-3203	6.8	20
105	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. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 7147-7159	5.9	20
104	Comments on the paper: a critical review of the applicability of Avrami fractional kinetic equation in adsorption-based water treatment studies. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 19566-19571		19
103	Utilization of Pacara Earpod tree ( <i>Enterolobium contortisilquum</i> ) and Ironwood ( <i>Caesalpinia leiostachya</i> ) seeds as low-cost biosorbents for removal of basic fuchsin. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 33307-33320	5.1	19
102	Adsorption of phenol on microwave-assisted activated carbons: Modelling and interpretation. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 274, 309-314	6	19
101	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. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 315, 113653	6	18
100	REMOVAL OF CIBACRON BRILLIANT YELLOW 3G-P DYE FROM AQUEOUS SOLUTIONS BY BRAZILIAN PEATS AS BIOSORBENTS. <i>Chemical Engineering Communications</i> , <b>2014</b> , 201, 1431-1458	2.2	18
99	STATISTICAL DESIGN OF EXPERIMENTS FOR OPTIMIZATION OF BATCH ADSORPTION CONDITIONS FOR REMOVAL OF REACTIVE RED 194 TEXTILE DYE FROM AQUEOUS EFFLUENTS. <i>Chemical Engineering Communications</i> , <b>2010</b> , 197, 775-790	2.2	18

98	Evaluation of different permanent modifiers for the determination of arsenic in environmental samples by electrothermal atomic absorption spectrometry. <i>Talanta</i> , <b>2003</b> , 60, 103-13	6.2	18
97	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. <i>Journal of Advanced Research</i> , <b>2019</b> , 17, 55-63	13	18
96	A COAGULATION-FLOCCULATION PROCESS COMBINED WITH ADSORPTION USING ACTIVATED CARBON OBTAINED FROM SLUDGE FOR DYE REMOVAL FROM TANNERY WASTEWATER. <i>Journal of the Chilean Chemical Society</i> , <b>2018</b> , 63, 3867-3874	2.5	17
95	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 <i>Journal of the Chilean Chemical Society</i> , <b>2017</b> , 62, 3507-3514	2.5	17
94	Thermodynamic parameters of liquid phase adsorption process calculated from different equilibrium constants related to adsorption isotherms: A comparison study. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 106674	6.8	17
93	A Short Review on the Electrochemical Performance of Hierarchical and Nitrogen-Doped Activated Biocarbon-Based Electrodes for Supercapacitors. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	17
92	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. <i>Environmental Research</i> , <b>2020</b> , 183, 109223	7.9	16
91	Giombo persimmon seed (GPS) an alternative adsorbent for the removal Toluidine Blue dye from aqueous solutions. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 28474-28485		16
90	A novel multifunctional adsorbent of pomegranate peel extract and activated anthracite for Mn(VII) and Cr(VI) uptake from solutions: Experiments and theoretical treatment. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 311, 113169	6	15
89	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> , <b>2021</b> , 11, 772	2.9	15
88	Physicochemical and thermodynamic investigation of Ni(II) biosorption on various materials using the statistical physics modeling. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 220, 129-135	6	15
87	Application of a heterogeneous physical model for the adsorption of Cd <sup>2+</sup> , Ni <sup>2+</sup> , Zn <sup>2+</sup> and Cu <sup>2+</sup> ions on flamboyant pods functionalized with citric acid. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 127975	14.7	15
86	Direct determination of lead in sweet fruit-flavored powder drinks by electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>1998</b> , 53, 601-611	3.1	14
85	Cationic dyes immobilized on cellulose acetate surface modified with titanium dioxide: factorial design and an application as sensor for NADH. <i>Journal of the Brazilian Chemical Society</i> , <b>2007</b> , 18, 1462-1472	1.5	14
84	Use of 1,3-diaminepropane-3-propyl grafted onto a silica gel as a sorbent for flow-injection spectrophotometric determination of copper (II) in digests of biological materials and natural waters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2005</b> , 62, 398-406	4.4	14
83	The use of a W-Rh permanent modifier for direct determination of bismuth in urine and whole blood by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2001</b> , 16, 842-846	3.7	14
82	Removal of cephalixin from artificial wastewater by mesoporous silica materials using Box-Behnken response surface methodology	159, 169-180	14
81	High removal of emerging contaminants from wastewater by activated carbons derived from the shell of cashew of Para. <i>Carbon Letters</i> , <b>2021</b> , 31, 13-28	2.3	14

80	Punica granatum husk (PGH), a powdered biowaste material for the adsorption of methylene blue dye from aqueous solution. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 3194-3204		13
79	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> , <b>2021</b> , 9, 105421	6.8	13
78	Determination of Antimony in Environmental Samples by ETAAS Using Different Permanent Modifiers. <i>Mikrochimica Acta</i> , <b>2004</b> , 146, 21-29	5.8	12
77	Statistical physics modeling and interpretation of the adsorption of dye remazol black B on natural and carbonized biomasses. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 299, 112099	6	12
76	Facile synthesis of muscovite-supported Fe <sub>3</sub> O <sub>4</sub> nanoparticles as an adsorbent and heterogeneous catalyst for effective removal of methyl orange: Characterisation, modelling, and mechanism. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2021</b> , 119, 146-157	5.3	12
75	Application of Tungsten-Rhodium Permanent Chemical Modifier in Slurry Analysis: Determination of Cadmium. <i>Mikrochimica Acta</i> , <b>2000</b> , 134, 113-121	5.8	11
74	Adsorptive Removal of Cationic Rhodamine B Dye from Aqueous Solutions Using Chitosan-Derived Schiff Base. <i>Separation Science and Technology</i> , 1-13	2.5	11
73	Evaluation of efficiency and selectivity in the sorption process assisted by chemometric approaches: Removal of emerging contaminants from water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 218, 366-373	4.4	10
72	Adsorption of amoxicillin onto high surface area-activated carbons based on olive biomass: kinetic and equilibrium studies. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 41394-41404	5.1	10
71	Chitin-psyllium based aerogel for the efficient removal of crystal violet from aqueous solutions. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 179, 366-376	7.9	10
70	Cr(VI) adsorption onto a new composite prepared from Meidum black clay and pomegranate peel extract: Experiments and physicochemical interpretations. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105352	6.8	10
69	Adsorption of Procion Red MX-5B dye from aqueous solution using homemade peach and commercial activated carbons. <i>Applied Water Science</i> , <b>2020</b> , 10, 1	5	9
68	Azul de metileno imobilizado na celulose/TiO <sub>2</sub> e SiO <sub>2</sub> /TiO <sub>2</sub> : propriedades eletroquímicas e planejamento fatorial. <i>Quimica Nova</i> , <b>2006</b> , 29, 208-212	1.6	9
67	Direct Analysis of Coffee and Tea for Aluminium Determination by Electrothermal Atomic Absorption Spectrometry. <i>Mikrochimica Acta</i> , <b>1999</b> , 132, 95-100	5.8	9
66	Metal-organic and Zeolitic imidazole frameworks as cationic dye adsorbents: physicochemical optimizations by parametric modeling and kinetic studies. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 332, 115832	6	9
65	Combination of tertiary solar photo-Fenton and adsorption processes in the treatment of hospital wastewater: The removal of pharmaceuticals and their transformation products. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105666	6.8	9
64	Comparison of acidic leaching using a conventional and ultrasound-assisted method for preparation of magnetic-activated biochar. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105865	6.8	9
63	Green porous benzamide-like nanomembranes for hazardous cations detection, separation, and concentration adjustment. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127130	12.8	9

62	Synthesis of polyethylene/nickel-carbon stimuli-responsive material under magnetic field at room temperature: Effect of the filler on the properties. <i>European Polymer Journal</i> , <b>2018</b> , 99, 378-383	5.2	8
61	Process Parameters Optimization, Characterization, and Application of KOH-Activated Norway Spruce Bark Graphitic Biochars for Efficient Azo Dye Adsorption.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	8
60	Biosynthesis of SiO nanoparticles using extract of Nerium oleander leaves for the removal of tetracycline antibiotic. <i>Chemosphere</i> , <b>2022</b> , 287, 132453	8.4	8
59	Physicochemical interpretation of the adsorption of 4-Bromophenol and 4-Chloroaniline on an activated carbon. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104542	6.8	8
58	Synthesis of a novel nanocomposite based on date stones/CuFe <sub>2</sub> O <sub>4</sub> nanoparticles for eliminating cationic and anionic dyes from aqueous solution. <i>International Journal of Environmental Studies</i> , <b>2021</b> , 1-19	1.8	8
57	Removal of pharmaceutical compounds from aqueous solution by novel activated carbon synthesized from lovegrass (Poaceae). <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 21442-21454	5.1	7
56	7-amino-4-azaheptyl grafted onto a silica gel as a sorbent for the on-line preconcentration and determination of iron(III) in water samples. <i>Analytical Sciences</i> , <b>2005</b> , 21, 573-7	1.7	7
55	Green metal-organic frameworks (MOFs) for biomedical applications. <i>Microporous and Mesoporous Materials</i> , <b>2022</b> , 111670	5.3	7
54	Comparison of Heavy Metals Removal from Aqueous Solution by Moringa oleifera Leaves and Seeds. <i>Coatings</i> , <b>2021</b> , 11, 508	2.9	7
53	Comments on Reasonable calculation of the thermodynamic parameters from adsorption equilibrium constant, Journal of Molecular Liquids 322 (2021) 114980. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 334, 116542	6	7
52	Fabrication of activated carbon from pomegranate husk by dual consecutive chemical activation for 4-chlorophenol adsorption. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 13919-13930	5.1	7
51	Adsorption: Fundamental aspects and applications of adsorption for effluent treatment <b>2021</b> , 41-88		7
50	Functionalization of corn stover with 3-aminopropyltriethoxysilane to uptake Reactive Red 141 from aqueous solutions. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 32198-32208	5.1	6
49	Modeling of adsorption isotherms of reactive red RR-120 on spirulina platensis by statistical physics formalism involving interaction effect between adsorbate molecules. <i>Progress in Biophysics and Molecular Biology</i> , <b>2019</b> , 141, 47-59	4.7	6
48	A simple combinatorial method to describe particle retention time in random media with applications in chromatography. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2012</b> , 391, 1-7	3.3	6
47	Preparation and electrochemical behavior of the CA/TiO <sub>2</sub> /Sb <sub>2</sub> O <sub>5</sub> composite electrode modified with p-benzoquinone. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 690, 74-82	4.1	6
46	Planejamento estatístico de experimentos como uma ferramenta para otimização das condições de biossorção de Cu(II) em batelada utilizando-se casca de nozes pecã como biossorbente. <i>Quimica Nova</i> , <b>2007</b> , 30, 548-553	1.6	6
45	Coupling of electrocoagulation and powder activated carbon for the treatment of sustainable wastewater. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 48505-48516	5.1	6

44	Modeling the removal of Reactive Red 120 dye from aqueous effluents by activated carbon. <i>Water Science and Technology</i> , <b>2020</b> , 82, 651-662	2.2	5
43	An overview of geological originated materials as a trend for adsorption in wastewater treatment. <i>Geoscience Frontiers</i> , <b>2021</b> , 101150	6	5
42	Metal activated carbon as an efficient filler for high-density polyethylene nanocomposites. <i>Polymer Composites</i> , <b>2020</b> , 41, 3184-3193	3	4
41	Physicochemical and thermodynamic study of malachite green adsorption on raw and modified corn straw. <i>Canadian Journal of Chemical Engineering</i> , <b>2018</b> , 96, 779-787	2.3	4
40	On the applicability of SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> /Nb <sub>2</sub> O <sub>5</sub> and SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> as a biocompatible platform for chloroperoxidase. <i>Analytical Methods</i> , <b>2014</b> , 6, 521-528	3.2	4
39	Application of Carbon Composite Adsorbents Prepared from Coffee Waste and Clay for the Removal of Reactive Dyes from Aqueous Solutions. <i>Journal of the Brazilian Chemical Society</i> , <b>2015</b> ,	1.5	4
38	Determination of Ytterbium in Digesta and Animal Faeces by Electrothermal Atomic Absorption Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1997</b> , 12, 475-478	3.7	4
37	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> , <b>2021</b> , 9, 106843	6.8	4
36	Rapid defluoridation of drinking water by calcium carbonate nanoadsorbent: characterization, adsorption studies and application to real samples treatment. <i>Water Science and Technology: Water Supply</i> , <b>2020</b> , 20, 667-678	1.4	4
35	Theoretical interpretation of the adsorption of amoxicillin on activated carbon via physical model. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 30714-30721	5.1	4
34	Adsorption of 3-aminophenol and resorcinol on avocado seed activated carbon: Mathematical modelling, thermodynamic study and description of adsorbent performance. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 342, 116952	6	4
33	Synthesis of Zeolite supported bimetallic catalyst and application in n-hexane hydro-isomerization using supercritical CO <sub>2</sub> . <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105206	6.8	4
32	Hydrothermally engineered NiCu hybrid nanocomposites: Structural and morphological investigations with potential fuel catalytic applications. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 270, 124837	4.4	4
31	Synthesis of composite sorbent for the treatment of aqueous solutions contaminated with methylene blue dye. <i>Water Science and Technology</i> , <b>2020</b> , 81, 1494-1506	2.2	3
30	Re-use of carbon rods from used batteries as cathode for textile azo dye degradation in a microbial fuel cell	79, 322-328	3
29	Sustainable nanotechnology based wastewater treatment strategies: achievements, challenges and future perspectives. <i>Chemosphere</i> , <b>2021</b> , 132606	8.4	3
28	Polysulfone metal-activated carbon magnetic nanocomposites with enhanced CO capture.. <i>RSC Advances</i> , <b>2020</b> , 10, 34595-34604	3.7	3
27	Optimizing the ultrasonic-assisted extraction of antioxidants from <i>Ulva lactuca</i> algal biomass using factorial design. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	3

26	A theoretical probe into the effects of material and operational variables on water purification with zeolite membranes. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 320, 111070	5.3	3
25	Comparative effects of conventional and nano-enabled fertilizers on morphological and physiological attributes of <i>Caesalpinia bonducella</i> plants. <i>Journal of the Saudi Society of Agricultural Sciences</i> , <b>2021</b> , 21, 61-61	3.3	3
24	Coupling of attrition and accelerated carbonation for CO <sub>2</sub> sequestration in recycled concrete aggregates. <i>Cleaner Engineering and Technology</i> , <b>2021</b> , 3, 100106	2.7	3
23	Application of biochar from agro-industrial waste in solid-phase extraction for the determination of 17 $\beta$ -estradiol from aqueous solution. <i>International Journal of Environmental Science and Technology</i> , <b>2019</b> , 16, 7623-7630	3.3	3
22	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. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 23568-23581	5.1	3
21	Environmental and health impacts of spraying COVID-19 disinfectants with associated challenges. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	3
20	Green products from herbal medicine wastes by subcritical water treatment. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 424, 127294	12.8	3
19	Polyethylene Nanocomposites with Ni, Co, and Fe Carbon-Based Magnetic Fillers. <i>Polymer Engineering and Science</i> , <b>2020</b> , 60, 988-995	2.3	3
18	Comparative effects of pyrolyzed oil shale and pyrolyzed burned oil shale used as fillers in poly(ethylene-co-vinyl alcohol). <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 99, 1859-1864	2.9	2
17	Efficient removal of Cd(II) from aqueous environment by potassium permanganate-modified eucalyptus biochar. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	2
16	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. <i>Journal of the Brazilian Chemical Society</i> , <b>2020</b> ,	1.5	2
15	Purification and economic analysis of nanoclay from bentonite. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 13690-13696	5.1	2
14	Bioactive hybrid metal-organic framework (MOF)-based nanosensors for optical detection of recombinant SARS-CoV-2 spike antigen.. <i>Science of the Total Environment</i> , <b>2022</b> , 153902	10.2	2
13	Pitahaya Fruit ( <i>Hylocereus</i> spp.) Peels Evaluation for Removal of Pb(II), Cd(II), Co(II), and Ni(II) from the Waters. <i>Sustainability</i> , <b>2022</b> , 14, 1685	3.6	1
12	Tailor made Functional Zeolite as Sustainable Potential Candidates for Catalytic Cracking of Heavy Hydrocarbons. <i>Catalysis Letters</i> , <b>2021</b> , 1	2.8	1
11	Comment on "Removal of Cr from tanning effluents by adsorption onto phosphate mine waste: Key parameters and mechanisms". <i>Journal of Hazardous Materials</i> , <b>2021</b> , 401, 123358	12.8	1
10	Adsorption onto zeolites: molecular perspective. <i>Chemical Papers</i> , <b>2021</b> , 75, 6217	1.9	1
9	New insights into the surface oxidation role in enhancing Congo red dye uptake by Egyptian ilmenite ore: Experiments and physicochemical interpretations. <i>Surfaces and Interfaces</i> , <b>2021</b> , 26, 101316	4.1	1

8	Outstanding Performance of a New Exfoliated Clay Impregnated with Rutile TiO <sub>2</sub> Nanoparticles Composite for Dyes Adsorption: Experimental and Theoretical Studies. <i>Coatings</i> , <b>2022</b> , 12, 22	2.9	1
7	High surface area acid-treated biochar from pomegranate husk for 2,4-dichlorophenol adsorption from aqueous solution.. <i>Chemosphere</i> , <b>2022</b> , 295, 133850	8.4	0
6	Transforming agricultural waste into adsorbent: application of Fagopyrum esculentum wheat husks treated with H <sub>2</sub> SO <sub>4</sub> to adsorption of the 2,4-D herbicide. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106872	6.8	0
5	Conventional and Microwave Pyrolysis for Preparation of Sewage Sludge- Activated Carbons for Pharmaceuticals Removal: A Mini-Review. <i>Mini-Reviews in Organic Chemistry</i> , <b>2021</b> , 18, 412-421	1.7	0
4	Cosorption of Zn(II) and chlortetracycline onto montmorillonite: pH effects and molecular investigations. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 424, 127368	12.8	0
3	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.. <i>RSC Advances</i> , <b>2022</b> , 12, 5769-5771	3.7	0
2	Synthesis of green benzamide-decorated UiO-66-NH for biomedical applications.. <i>Chemosphere</i> , <b>2022</b> , 299, 134359	8.4	0
1	Response to the Letter to the Editor that was published in Dyes and Pigments 77 (2008) 481-482. <i>Dyes and Pigments</i> , <b>2009</b> , 83, 266	4.6	