

Melissa Gurgel Adeodato Vieira

List of Publications by Citations

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170
papers

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29
h-index

60
g-index

181
ext. papers

5,251
ext. citations

5.2
avg, IF

6.44
L-index

#	Paper	IF	Citations
170	Natural-based plasticizers and biopolymer films: A review. <i>European Polymer Journal</i> , 2011 , 47, 254-263	5.2	1126
169	Adsorption of Pharmaceuticals from Water and Wastewater Using Nonconventional Low-Cost Materials: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 3103-3127	3.9	217
168	Polyvinylchloride (PVC) and natural rubber films plasticized with a natural polymeric plasticizer obtained through polyesterification of rice fatty acid. <i>Polymer Testing</i> , 2011 , 30, 478-484	4.5	146
167	Sorption kinetics and equilibrium for the removal of nickel ions from aqueous phase on calcined Bofe bentonite clay. <i>Journal of Hazardous Materials</i> , 2010 , 177, 362-71	12.8	133
166	MgAl-LDH/Biochar composites for methylene blue removal by adsorption. <i>Applied Clay Science</i> , 2019 , 168, 11-20	5.2	100
165	Adsorption of silver from aqueous solution onto pre-treated bentonite clay: complete batch system evaluation. <i>Journal of Cleaner Production</i> , 2016 , 112, 1112-1121	10.3	86
164	Adsorption of basic dyes onto activated carbon: Experimental and theoretical investigation of chemical reactivity of basic dyes using DFT-based descriptors. <i>Applied Surface Science</i> , 2018 , 448, 662-670	6.7	72
163	Removal of nickel on Bofe bentonite calcined clay in porous bed. <i>Journal of Hazardous Materials</i> , 2010 , 176, 109-18	12.8	72
162	Removal of endocrine disruptors in waters by adsorption, membrane filtration and biodegradation. A review. <i>Environmental Chemistry Letters</i> , 2020 , 18, 1113-1143	13.3	68
161	Biosorption of toxic metals using the alginate extraction residue from the brown algae <i>Sargassum filipendula</i> as a natural ion-exchanger. <i>Journal of Cleaner Production</i> , 2017 , 165, 491-499	10.3	66
160	Binary adsorption of silver and copper on Verde-lodo bentonite: Kinetic and equilibrium study. <i>Applied Clay Science</i> , 2017 , 137, 69-76	5.2	62
159	Adsorption of diclofenac sodium onto commercial organoclay: Kinetic, equilibrium and thermodynamic study. <i>Powder Technology</i> , 2019 , 345, 140-150	5.2	61
158	Biosorption of chromium(VI) using a <i>Sargassum</i> sp. packed-bed column. <i>Bioresource Technology</i> , 2008 , 99, 3094-9	11	59
157	Energy Efficiency and Drying Kinetics of Recycled Paper Pulp. <i>Drying Technology</i> , 2007 , 25, 1639-1648	2.6	52
156	Removal of toxic metals from water using chitosan-based magnetic adsorbents. A review. <i>Environmental Chemistry Letters</i> , 2020 , 18, 1145-1168	13.3	49
155	Biosorption technology for removal of toxic metals: a review of commercial biosorbents and patents. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 19097-19118	5.1	48
154	Cadmium biosorption by alginate extraction waste and process overview in Life Cycle Assessment context. <i>Journal of Cleaner Production</i> , 2018 , 178, 166-175	10.3	47

153	Biosorption study of copper and zinc by particles produced from silk sericin Alginate blend: evaluation of blend proportion and thermal cross-linking process in particles production. <i>Journal of Cleaner Production</i> , 2016 , 137, 1470-1478	10.3	46
152	Characterization of <i>Oreochromis niloticus</i> fish scales and assessment of their potential on the adsorption of reactive blue 5G dye. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 482, 693-701	5.1	43
151	Characterization and use of in natura and calcined rice husks for biosorption of heavy metals ions from aqueous effluents. <i>Brazilian Journal of Chemical Engineering</i> , 2012 , 29, 619-634	1.7	40
150	Equilibrium and kinetic studies of caffeine adsorption from aqueous solutions on thermally modified Verde-lodo bentonite. <i>Applied Clay Science</i> , 2019 , 168, 366-373	5.2	40
149	Epoxidation of modified natural plasticizer obtained from rice fatty acids and application on polyvinylchloride films. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3543-3549	2.9	38
148	Recovery of rare-earth metals from aqueous solutions by bio/adsorption using non-conventional materials: a review with recent studies and promising approaches in column applications. <i>Journal of Rare Earths</i> , 2020 , 38, 339-355	3.7	38
147	Continuous adsorption of silver and copper by Verde-lodo bentonite in a fixed bed flow-through column. <i>Journal of Cleaner Production</i> , 2018 , 171, 613-621	10.3	37
146	Adsorption of lead and copper ions from aqueous effluents on rice husk ash in a dynamic system. <i>Brazilian Journal of Chemical Engineering</i> , 2014 , 31, 519-529	1.7	36
145	Cu(II) adsorption on modified bentonitic clays: different isotherm behaviors in static and dynamic systems. <i>Materials Research</i> , 2012 , 15, 114-124	1.5	35
144	Removal of Cadmium(II) and Lead(II) ions from aqueous phase on sodic bentonite. <i>Materials Research</i> , 2013 , 16, 515-527	1.5	34
143	Oxidative degradation of pharmaceutical losartan potassium with N-doped hierarchical porous carbon and peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2020 , 382, 122971	14.7	34
142	Fixed Bed Adsorption of Benzene, Toluene, and Xylene (BTX) Contaminants from Monocomponent and Multicomponent Solutions Using a Commercial Organoclay. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 6326-6336	3.9	31
141	Comparative adsorption of diclofenac sodium and losartan potassium in organophilic clay-packed fixed-bed: X-ray photoelectron spectroscopy characterization, experimental tests and theoretical study on DFT-based chemical descriptors. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113427	6	29
140	Removal of the synthetic dye Remazol Brilliant Blue R from textile industry wastewaters by biosorption on the macrophyte <i>Salvinia natans</i> . <i>Brazilian Journal of Chemical Engineering</i> , 2014 , 31, 1035-1045	1.7	29
139	Binary adsorption of zinc and copper on expanded vermiculite using a fixed bed column. <i>Applied Clay Science</i> , 2017 , 146, 503-509	5.2	28
138	Adsorption of herbicide 2,4-D from aqueous solution using organo-modified bentonite clay. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 18329-18342	5.1	27
137	Adsorption of ciprofloxacin onto thermally modified bentonite clay: Experimental design, characterization, and adsorbent regeneration. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104553	6.8	27
136	Fixed-Bed Adsorption of Caffeine onto Thermally Modified Verde-lodo Bentonite. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 17480-17487	3.9	27

135	Recovery of gold through adsorption onto sericin and alginate particles chemically crosslinked by proanthocyanidins. <i>Journal of Cleaner Production</i> , 2020 , 253, 119925	10.3	26
134	Development of sericin/alginate particles by ionic gelation technique for the controlled release of diclofenac sodium. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45919	2.9	26
133	Use of supercritical CO ₂ and ultrasound-assisted extractions to obtain flavonoid-rich extracts from uvaia leaves (<i>Eugenia pyriformis</i> Cambess.). <i>Journal of Supercritical Fluids</i> , 2018 , 137, 1-8	4.2	24
132	Synthesis and application of natural polymeric plasticizer obtained through polyesterification of rice fatty acid. <i>Materials Research</i> , 2014 , 17, 386-391	1.5	23
131	Characterization of Brazilian Bentonite Organoclays as sorbents of petroleum-derived fuels. <i>Materials Research</i> , 2012 , 15, 253-259	1.5	23
130	Batch and Fixed Bed Biosorption of Copper by Acidified Algae Waste Biomass. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 11767-11777	3.9	22
129	Development of novel sericin and alginate-based biosorbents for precious metal removal from wastewater. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 28455-28469	5.1	22
128	Bioadsorption of trivalent and hexavalent chromium from aqueous solutions by sericin-alginate particles produced from <i>Bombyx mori</i> cocoons. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 25967-25982	5.1	22
127	Removal of nickel ions on residue of alginate extraction from <i>Sargassum filipendula</i> seaweed in packed bed. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 2120-2128	2.3	21
126	Competitive biosorption of Cu and Ag ions on brown macro-algae waste: kinetic and ion-exchange studies. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 23416-23428	5.1	21
125	Kinetic and Thermodynamic Study on the Liquid Phase Adsorption by Starchy Materials in the Alcohol-Water System. <i>Adsorption</i> , 2004 , 10, 211-218	2.6	21
124	Adhesion of an Aqueous Polymeric Suspension to Inert Particles in a Spouted Bed. <i>Drying Technology</i> , 2004 , 22, 1069-1085	2.6	21
123	High Molecular Sericin from <i>Bombyx mori</i> Cocoons: Extraction and Recovering by Ultrafiltration. <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2014 , 5, 266-271	0.2	21
122	Removal of propranolol hydrochloride by batch biosorption using remaining biomass of alginate extraction from <i>Sargassum filipendula</i> algae. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 16599-16611	5.1	20
121	Endocrine-disrupting compounds: Occurrence, detection methods, effects and promising treatment pathways: A critical review. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104558	6.8	20
120	Ofloxacin adsorption by calcined Verde-lodo bentonite clay: Batch and fixed bed system evaluation. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113718	6	19
119	Adsorption of toluene into commercial organoclay in liquid phase: Kinetics, equilibrium and thermodynamics. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 998-1008	2.3	19
118	Development and evaluation of naproxen-loaded sericin/alginate beads for delayed and extended drug release using different covalent crosslinking agents. <i>Materials Science and Engineering C</i> , 2021 , 118, 111412	8.3	19

117	Development of mucoadhesive sericin/alginate particles loaded with ibuprofen for sustained drug delivery. <i>Particuology</i> , 2018 , 41, 65-73	2.8	19
116	Investigation of the simultaneous biosorption of toxic metals through a mixture design application. <i>Journal of Cleaner Production</i> , 2018 , 200, 890-899	10.3	18
115	Adsorption and desorption processes for copper removal from water using different eluents and calcined clay as adsorbent. <i>Journal of Water Process Engineering</i> , 2014 , 3, 90-97	6.7	18
114	A comprehensive evaluation of heavy metals removal from battery industry wastewaters by applying bio-residue, mineral and commercial adsorbent materials. <i>Journal of Materials Science</i> , 2018 , 53, 7976-7995	4.3	17
113	Cassava (<i>Manihot esculenta</i> Crantz) stump biochar: Physical/chemical characteristics and dye affinity. <i>Chemical Engineering Communications</i> , 2019 , 206, 829-841	2.2	17
112	Development of sericin/alginate beads of ketoprofen using experimental design: Formulation and in vitro dissolution evaluation. <i>Powder Technology</i> , 2018 , 335, 315-326	5.2	17
111	HPO-activated carbons produced from aabi stones and Brazil nut shells: removal of basic blue 26 dye from aqueous solutions by adsorption. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 28533-28547	5.1	16
110	Equilibrium and Thermodynamic Studies of Zinc Adsorption on Expanded Vermiculite. <i>Adsorption Science and Technology</i> , 2012 , 30, 759-772	3.6	16
109	Adsorption of benzene, toluene, and xylene (BTX) from binary aqueous solutions using commercial organoclay. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 1034-1044	2.3	15
108	Mathematical modeling of supercritical CO ₂ extraction of hops (<i>Humulus lupulus</i> L.). <i>Journal of Supercritical Fluids</i> , 2017 , 130, 347-356	4.2	15
107	Reuse of the alginate extraction waste from <i>Sargassum filipendula</i> for Ni(II) biosorption. <i>Chemical Engineering Communications</i> , 2020 , 207, 17-30	2.2	14
106	Equilibrium and desorption studies of the competitive binary biosorption of silver(I) and copper(II) ions on brown algae waste. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104840	6.8	14
105	Efficiency maximization of fixed-bed adsorption by applying hybrid statistical-phenomenological modeling. <i>Separation and Purification Technology</i> , 2018 , 207, 477-488	8.3	14
104	Evaluation of proanthocyanidin-crosslinked sericin/alginate blend for ketoprofen extended release. <i>Advanced Powder Technology</i> , 2019 , 30, 1531-1543	4.6	13
103	Removal and Recovery of Silver by Dynamic Adsorption on Bentonite Clay Using a Fixed-Bed Column System. <i>Adsorption Science and Technology</i> , 2015 , 33, 91-103	3.6	13
102	Biosorption of aluminum ions from aqueous solutions using non-conventional low-cost materials: A review. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101925	6.7	13
101	Dealginated seaweed waste for Zn(II) continuous removal from aqueous solution on fixed-bed column. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1183-1189	3.5	13
100	Fixed bed biosorption of silver and investigation of functional groups on acidified biosorbent from algae biomass. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 36354-36366	5.1	12

99	A kinetic and equilibrium study of zinc removal by Brazilian bentonite clay. <i>Materials Research</i> , 2013 , 16, 128-136	1.5	12
98	Insight into zinc(II) biosorption on alginate extraction residue: Kinetics, isotherm and thermodynamics. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103629	6.8	12
97	Neodymium recovery from aqueous solution through adsorption/desorption onto expanded vermiculite. <i>Applied Clay Science</i> , 2020 , 198, 105825	5.2	12
96	Influence of the liquid saturation degree on the fluid dynamics of a spouted-bed coater. <i>Chemical Engineering and Processing: Process Intensification</i> , 2004 , 43, 1275-1280	3.7	11
95	STUDY OF BINARY AND SINGLE BIOSORPTION BY THE FLOATING AQUATIC MACROPHYTE <i>Salvinia natans</i> . <i>Brazilian Journal of Chemical Engineering</i> , 2016 , 33, 649-660	1.7	11
94	Phenomenological modeling of reactive dye adsorption onto fish scales surface in the presence of electrolyte and surfactant mixtures. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 2467-2483	2.6	10
93	Equilibrium study of binary mixture biosorption of Cr(III) and Zn(II) by dealginated seaweed waste: investigation of adsorption mechanisms using X-ray photoelectron spectroscopy analysis. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 28470-28480	5.1	10
92	Dynamic adsorption of chromium ions onto natural and crosslinked chitosan membranes for wastewater treatment. <i>Materials Research</i> , 2010 , 13, 89-94	1.5	10
91	Removal of emerging contaminants from wastewater using advanced treatments. A review. <i>Environmental Chemistry Letters</i> , 2022 , 20, 1333	13.3	10
90	Crosslinked alginate/sericin particles for bioadsorption of ytterbium: Equilibrium, thermodynamic and regeneration studies. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 1911-1923	7.9	10
89	Activated carbon from macauba endocarp (<i>Acrocomia aculeate</i>) for removal of atrazine: Experimental and theoretical investigation using descriptors based on DFT. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105155	6.8	10
88	Adsorption of Fermentation Inhibitors by Layered Double Hydroxides in Synthetic Hemicellulose Hydrolysate: A Batch Multicomponent Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 18822-18828	3.9	9
87	New perception of the continuous biosorption of cadmium on a seaweed derivative waste. <i>Journal of Water Process Engineering</i> , 2020 , 36, 101322	6.7	9
86	Economical and Technological Aspects of Copper Removal from Water Using a Geopolymer and Natural Zeolite. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	9
85	Solophenyl Navy Blue Dye Removal by Smectite Clay in a Porous Bed Column. <i>Adsorption Science and Technology</i> , 2009 , 27, 861-875	3.6	9
84	Drying conditions influence on physical properties of recycled paper. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007 , 46, 955-963	3.7	9
83	Kinetic, equilibrium, and thermodynamic study on atrazine adsorption in organophilic clay	123, 240-252	9
82	Performance of organoclay in adsorptive uptake of antihypertensive losartan potassium: A comparative batch study using micro-grain activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103562	6.8	9

81	Fixed-Bed Adsorption of Ciprofloxacin onto Bentonite Clay: Characterization, Mathematical Modeling, and DFT-Based Calculations. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4030-4040	3.9	9
80	Metallic copper removal optimization from real wastewater using pulsed electrodeposition. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121416	12.8	9
79	Caffeine removal using activated biochar from alfalfa seed (<i>Euterpe oleracea</i> Mart): Experimental study and description of adsorbate properties using Density Functional Theory (DFT). <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104891	6.8	9
78	Palladium adsorption on natural polymeric sericin-alginate particles crosslinked by polyethylene glycol diglycidyl ether. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105617	6.8	9
77	Adsorption of polycyclic aromatic hydrocarbons from wastewater using graphene-based nanomaterials synthesized by conventional chemistry and green synthesis: A critical review. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126904	12.8	9
76	Application of a dealginated seaweed derivative for the simultaneous metal ions removal from real and synthetic effluents. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101546	6.7	8
75	Chemical equilibrium of ion exchange in the binary mixture Cu ²⁺ and Ca ²⁺ in calcium alginate. <i>Adsorption</i> , 2015 , 21, 445-458	2.6	7
74	Characterization of Spectrogel Organoclay Used to Adsorption of Petroleum Derivatives. <i>Materials Science Forum</i> , 2014 , 798-799, 558-563	0.4	7
73	Nickel, lead and zinc removal by adsorption process in fluidised bed. <i>Environmental Technology (United Kingdom)</i> , 2006 , 27, 1101-14	2.6	7
72	Adsorption of Gold Ions onto Sericin and Alginate Particles Chemically Crosslinked by Proanthocyanidins: a Complete Fixed-Bed Column Study. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 318-328	3.9	7
71	Development of a natural polymeric bioadsorbent based on sericin, alginate and poly(vinyl alcohol) for the recovery of ytterbium from aqueous solutions. <i>Journal of Cleaner Production</i> , 2021 , 279, 123555	10.3	7
70	Application of experimental design to evaluate the incorporation of naproxen into sericin/alginate particles prepared by ionic gelation technique. <i>Chemical Engineering Science</i> , 2021 , 229, 116101	4.4	7
69	Hydrothermal synthesis of biobased carbonaceous composite from a blend of kraft black liquor and tannin and its application to aspirin and paracetamol removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 608, 125597	5.1	7
68	Alginate and Sericin: Environmental and Pharmaceutical Applications 2017 ,		6
67	Supercritical CO ₂ extraction of Hesperidin from uvaia (<i>Eugenia pyriformis</i> Cambess.): Effects of pressure and co-solvent addition. <i>Journal of Supercritical Fluids</i> , 2019 , 153, 104595	4.2	6
66	Insight of the removal of nickel and copper ions in fixed bed through acid activation and treatment with sodium of clay. <i>Brazilian Journal of Chemical Engineering</i> , 2014 , 31, 1047-1056	1.7	6
65	Hydrogen sulfide removal from biogas using Fe/EDTA solution: Gas/liquid contacting and sulfur formation. <i>Environmental Progress and Sustainable Energy</i> , 2009 , 29, NA-NA	2.5	6
64	Shrinkage of Recycled Paper Sheet During Drying. <i>Drying Technology</i> , 2006 , 24, 465-474	2.6	6

63	Cerium recovery from aqueous solutions by bio/adsorption: A review in a circular economy context. <i>Journal of Cleaner Production</i> , 2021 , 326, 129395	10.3	6
62	Characterization and biosorption of silver by biomass waste from the alginate industry. <i>Journal of Cleaner Production</i> , 2020 , 271, 122588	10.3	6
61	Equilibrium, Thermodynamic, Reuse, and Selectivity Studies for the Bioadsorption of Lanthanum onto Sericin/Alginate/Poly(vinyl alcohol) Particles. <i>Polymers</i> , 2021 , 13,	4.5	6
60	Lanthanum biosorption using sericin/alginate particles crosslinked by poly(vinyl alcohol): Kinetic, cation exchange, and desorption studies. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105551	6.8	6
59	Latest advanced oxidative processes applied for the removal of endocrine disruptors from aqueous media: A critical report. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105748	6.8	6
58	Biosorption of lanthanum using sericin/alginate/polyvinyl alcohol beads as a natural cation exchanger in a continuous fixed-bed column system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 627, 127233	5.1	6
57	Application of human HAZOP technique adapted to identify risks in Brazilian waste pickers' cooperatives. <i>Journal of Environmental Management</i> , 2019 , 246, 247-258	7.9	5
56	Competitive fixed-bed biosorption of Ag(I) and Cu(II) ions on <i>Sargassum filipendula</i> seaweed waste. <i>Journal of Water Process Engineering</i> , 2020 , 36, 101294	6.7	5
55	Gastro-resistant controlled release of OTC encapsulated in alginate/chitosan matrix coated with acryl-EZE- β MP in fluidized bed. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	5
54	Mathematical modeling of handmade recycled paper drying kinetics and sorption isotherms. <i>Brazilian Journal of Chemical Engineering</i> , 2008 , 25, 299-312	1.7	5
53	Adsorption of bisphenol A from aqueous solution onto organoclay: Experimental design, kinetic, equilibrium and thermodynamic study. <i>Powder Technology</i> , 2022 , 395, 695-707	5.2	5
52	Efficient and Selective Adsorption of Neodymium on Expanded Vermiculite. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4962-4974	3.9	5
51	Modification of valsartan drug release by incorporation into sericin/alginate blend using experimental design methodology. <i>European Polymer Journal</i> , 2021 , 153, 110506	5.2	5
50	Thermal characterization and stability investigation of sericin and alginate blend loaded with diclofenac sodium or ibuprofen. <i>European Polymer Journal</i> , 2021 , 142, 110125	5.2	5
49	Fixed-bed adsorption of bisphenol A onto organoclay: Characterisation, mathematical modelling and theoretical calculation of DFT-based chemical descriptors. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106103	6.8	5
48	Effective recovery of ytterbium through biosorption using crosslinked sericin-alginate beads: A complete continuous packed-bed column study. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126742	12.8	5
47	Adsorption of propranolol hydrochloride from aqueous solutions onto thermally treated bentonite clay: A complete batch system evaluation. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116442	6	4
46	Evaluation of different covalent crosslinking agents into valsartan-loaded sericin and alginate particles for modified release. <i>Powder Technology</i> , 2021 , 390, 240-255	5.2	4

45	Expanded vermiculite as an alternative adsorbent for the dysprosium recovery. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 127, 228-235	5.3	4
44	Fabrication of kaolin hollow fibre membranes for bacteria removal. <i>Processing and Application of Ceramics</i> , 2020 , 14, 303-313	1.4	3
43	Copper removal kinetic from electroplating industry wastewater using pulsed electrodeposition technique. <i>Environmental Technology (United Kingdom)</i> , 2020 , 1-9	2.6	3
42	New Insight into a Step-by-Step Modeling of Supercritical CO ₂ Foaming to Fabricate Poly(E-caprolactone) Scaffold. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 20033-20044	3.9	3
41	Tilapia scales: characterization and study of Cu(II) removal by ion exchange with Ca(II). <i>Separation Science and Technology</i> , 2020 , 55, 186-198	2.5	3
40	Dysprosium adsorption on expanded vermiculite: Kinetics, selectivity and desorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 630, 127616	5.1	3
39	Overview of non-steroidal anti-inflammatory drugs degradation by advanced oxidation processes. <i>Journal of Cleaner Production</i> , 2022 , 346, 131226	10.3	3
38	Adsorption of 17 β -ethinylestradiol onto a novel nanocomposite based on graphene oxide, magnetic chitosan and organoclay (GO/mCS/OC): Kinetics, equilibrium, thermodynamics and selectivity studies. <i>Journal of Water Process Engineering</i> , 2022 , 47, 102729	6.7	3
37	Shrinkage of digested sludge from gelatin production. <i>Drying Technology</i> , 2018 , 36, 1603-1618	2.6	2
36	Characterization of the complex metal-clay obtained in the process of lead adsorption. <i>Materials Research</i> , 2014 , 17, 792-799	1.5	2
35	Modification of Sodium Bentonitic Clay Used in Zinc Ion Adsorption. <i>Materials Science Forum</i> , 2014 , 798-799, 520-525	0.4	2
34	Bacteriological elimination in sewage sludge through direct flow convective drying. <i>Environmental Progress and Sustainable Energy</i> , 2010 , 29, 406-414	2.5	2
33	Adsorption of atrazine from aqueous systems on chemically activated biochar produced from corn straw. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107039	6.8	2
32	Recovery of dysprosium by biosorption onto a biocomposite from sericin and alginate. <i>Journal of Water Process Engineering</i> , 2021 , 44, 102388	6.7	2
31	Development of a modified drug delivery system through the incorporation of furosemide into sericin and alginate matrix using the experimental design approach. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 650-661	3.5	2
30	Remediation of Emerging Contaminants. <i>Environmental Chemistry for A Sustainable World</i> , 2021 , 1-106	0.8	2
29	Techno-economical optimization of uvaia (<i>Eugenia pyriformis</i>) extraction using supercritical fluid technology. <i>Journal of Supercritical Fluids</i> , 2021 , 174, 105239	4.2	2
28	Comparative efficiency of polycyclic aromatic hydrocarbon removal by novel graphene oxide composites prepared from conventional and green synthesis. <i>Journal of Cleaner Production</i> , 2022 , 132244	10.3	2

27	Capacity assessment and potential for reuse of calcined Bofe bentonitic clay for adsorption of nickel. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 1457-1465	2.3	1
26	Ion exchange and adsorption of cadmium from aqueous media in sodium-modified expanded vermiculite.. <i>Environmental Science and Pollution Research</i> , 2022 ,	5.1	1
25	Reusable and efficient clay material for the fixed-bed neodymium recovery. <i>Sustainable Chemistry and Pharmacy</i> , 2022 , 25, 100623	3.9	1
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18	FIXED BED BIOSORPTION USING AQUATIC MACROPHYTE IN LEAD REMOVAL		1
17	Mathematical modeling of supercritical CO ₂ extraction of <i>Eugenia pyriformis</i> Cambess. leaves. <i>Chemical Engineering Communications</i> , 2020 , 1-10	2.2	1
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