

# Cidlia Botelho

## List of Publications by Year in Descending Order

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

91  
papers

3,667  
citations

32  
h-index

59  
g-index

92  
ext. papers

4,261  
ext. citations

8  
avg, IF

5.78  
L-index

#	Paper	IF	Citations
91	Tannin-based coagulants: Current development and prospects on synthesis and uses.. <i>Science of the Total Environment</i> , <b>2022</b> , 822, 153454	10.2	3
90	Antimony removal from water by pine bark tannin resin: Batch and fixed-bed adsorption. <i>Journal of Environmental Management</i> , <b>2022</b> , 302, 114100	7.9	1
89	Establishing the state-of-the-art on the adsorption of coexisting pnictogens in water: A literature review. <i>Chemosphere</i> , <b>2022</b> , 286, 131947	8.4	
88	Efficient removal of arsenic from aqueous solution by continuous adsorption onto iron-coated cork granulates.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 432, 128657	12.8	0
87	Biorefinery of marine macroalgae into high-tech bioproducts: a review. <i>Environmental Chemistry Letters</i> , <b>2021</b> , 19, 969-1000	13.3	14
86	Multicomponent adsorption of pentavalent As, Sb and P onto iron-coated cork granulates. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 406, 124339	12.8	5
85	Current Trends of Arsenic Adsorption in Continuous Mode: Literature Review and Future Perspectives. <i>Sustainability</i> , <b>2021</b> , 13, 1186	3.6	7
84	Uptake and Recovery of Gold from Simulated Hydrometallurgical Liquors by Adsorption on Pine Bark Tannin Resin. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 3456	3	4
83	Complexation mechanisms in arsenic and phosphorus adsorption onto iron-coated cork granulates. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104184	6.8	13
82	Removal of antimony from water by iron-coated cork granulates. <i>Separation and Purification Technology</i> , <b>2020</b> , 233, 116020	8.3	19
81	Removal of arsenic from water by an iron-loaded resin prepared from Pinus pinaster bark tannins. <i>Euro-Mediterranean Journal for Environmental Integration</i> , <b>2020</b> , 5, 1	1.7	2
80	Performance and prospects of different adsorbents for phosphorus uptake and recovery from water. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122566	14.7	155
79	Evaluation of a tannin-based coagulant on the decolorization of synthetic effluents. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103125	6.8	21
78	Bioadsorptive removal of Pb(II) from aqueous solution by the biorefinery waste of Fucus spiralis. <i>Science of the Total Environment</i> , <b>2019</b> , 648, 1201-1209	10.2	51
77	Tannin-Adsorbents for Water Decontamination and for the Recovery of Critical Metals: Current State and Future Perspectives. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1900060	5.6	12
76	Arsenate and arsenite adsorption onto iron-coated cork granulates. <i>Science of the Total Environment</i> , <b>2018</b> , 642, 1075-1089	10.2	41
75	Recovery and valorization of tannins from a forest waste as an adsorbent for antimony uptake. <i>Journal of Cleaner Production</i> , <b>2018</b> , 198, 1324-1335	10.3	20

74	Macroalgae Biomass as Sorbent for Metal Ions <b>2018</b> , 69-112		7
73	Arsenic removal from water using iron-coated seaweeds. <i>Journal of Environmental Management</i> , <b>2017</b> , 192, 224-233	7.9	59
72	Biosorption of antimony oxyanions by brown seaweeds: Batch and column studies. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 3463-3471	6.8	26
71	Green macroalgae from the Romanian coast of Black Sea: Physico-chemical characterization and future perspectives on their use as metal anions biosorbents. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 108, 34-43	5.5	19
70	Whole-body vibration exposure in forklift operators – short review <b>2017</b> ,		1
69	Tannin-based biosorbents for environmental applications [A review]. <i>Chemical Engineering Journal</i> , <b>2016</b> , 303, 575-587	14.7	148
68	Oil and grease removal from wastewaters: Sorption treatment as an alternative to state-of-the-art technologies. A critical review. <i>Chemical Engineering Journal</i> , <b>2016</b> , 297, 229-255	14.7	166
67	Antimony oxyanions uptake by green marine macroalgae. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 3441-3450	6.8	19
66	Treatment of vegetable oil refinery wastewater by sorption of oil and grease onto regranulated cork [A study in batch and continuous mode. <i>Chemical Engineering Journal</i> , <b>2015</b> , 268, 92-101	14.7	22
65	The role of emulsion properties and stability in vegetable oil uptake by regranulated cork sorbents. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 1601-1610	3.5	4
64	Performance evaluation of the main units of a refinery wastewater treatment plant [A case study. <i>Journal of Environmental Chemical Engineering</i> , <b>2015</b> , 3, 2095-2103	6.8	13
63	Fish canning wastewater treatment by activated sludge: Application of factorial design optimization. <i>Water Resources and Industry</i> , <b>2015</b> , 10, 29-38	4.5	18
62	Selenium contaminated waters: An overview of analytical methods, treatment options and recent advances in sorption methods. <i>Science of the Total Environment</i> , <b>2015</b> , 521-522, 246-60	10.2	179
61	Oil desorption and recovery from cork sorbents. <i>Journal of Environmental Chemical Engineering</i> , <b>2015</b> , 3, 2917-2923	6.8	5
60	Fish canning industry wastewater treatment for water reuse [A case study. <i>Journal of Cleaner Production</i> , <b>2015</b> , 87, 603-612	10.3	65
59	Global Warming Effects on Faecal Coliform Bacterium Watershed Impairments in Portugal. <i>River Research and Applications</i> , <b>2015</b> , 31, 1344-1353	2.3	11
58	Arsenic and antimony in water and wastewater: overview of removal techniques with special reference to latest advances in adsorption. <i>Journal of Environmental Management</i> , <b>2015</b> , 151, 326-42	7.9	365
57	BIOSORPTION OF ANTIMONY BY BROWN ALGAE <i>S. muticum</i> AND <i>A. nodosum</i> . <i>Environmental Engineering and Management Journal</i> , <b>2015</b> , 14, 455-463	0.6	29

56	Integrated hydrological and water quality model for river management: a case study on Lena River. <i>Science of the Total Environment</i> , <b>2014</b> , 485-486, 474-489	10.2	53
55	Watershed model parameter estimation and uncertainty in data-limited environments. <i>Environmental Modelling and Software</i> , <b>2014</b> , 51, 84-93	5.2	44
54	Optimization of a primary gravity separation treatment for vegetable oil refinery wastewaters. <i>Clean Technologies and Environmental Policy</i> , <b>2014</b> , 16, 1725-1734	4.3	17
53	Primary treatment optimization of a fish canning wastewater from a Portuguese plant. <i>Water Resources and Industry</i> , <b>2014</b> , 6, 51-63	4.5	20
52	Chemical oxidation of fish canning wastewater by Fenton's reagent. <i>Journal of Environmental Chemical Engineering</i> , <b>2014</b> , 2, 2372-2376	6.8	13
51	Integrated reduction/oxidation reactions and sorption processes for Cr(VI) removal from aqueous solutions using <i>Laminaria digitata</i> macro-algae. <i>Chemical Engineering Journal</i> , <b>2014</b> , 237, 443-454	14.7	62
50	Water quality in Minho/Miñ River (Portugal/Spain). <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 3269-81	3.1	18
49	Water quality modelling of Lis River, Portugal. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 508-24	5.1	25
48	Biological treatment by activated sludge of petroleum refinery wastewaters. <i>Desalination and Water Treatment</i> , <b>2013</b> , 51, 6641-6654		16
47	Turning <i>Laminaria digitata</i> seaweed into a resource for sustainable and ecological removal of trivalent chromium ions from aqueous solutions. <i>Clean Technologies and Environmental Policy</i> , <b>2013</b> , 15, 955-965	4.3	5
46	Modeling of trivalent chromium speciation in binding sites of marine macroalgae <i>Sargassum Cymosum</i> . <i>Clean Technologies and Environmental Policy</i> , <b>2013</b> , 15, 987-997	4.3	6
45	Textural and Surface Characterization of Cork-Based Sorbents for the Removal of Oil from Water. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 16427-16435	3.9	40
44	Water Remediation Using Calcium Phosphate Derived From Marine Residues. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 989-1003	2.6	10
43	Surface Water Quality Assessment of Lis River Using Multivariate Statistical Methods. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 5549-5561	2.6	35
42	Water quality in Lis river, Portugal. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 7125-40	3.1	20
41	Use of cork powder and granules for the adsorption of pollutants: a review. <i>Water Research</i> , <b>2012</b> , 46, 3152-66	12.5	98
40	Insights into trivalent chromium biosorption onto protonated brown algae <i>Pelvetia canaliculata</i> : Distribution of chromium ionic species on the binding sites. <i>Chemical Engineering Journal</i> , <b>2012</b> , 200-202, 140-148	14.7	30
39	Valorisation of marine <i>Pelvetia canaliculata</i> Ochrophyta for separation and recovery of nickel from water: Equilibrium and kinetics modeling on Na-loaded algae. <i>Chemical Engineering Journal</i> , <b>2012</b> , 200-202, 365-372	14.7	14

38	Optimization of coagulation-flocculation and flotation parameters for the treatment of a petroleum refinery effluent from a Portuguese plant. <i>Chemical Engineering Journal</i> , <b>2012</b> , 183, 117-123	14.7	101
37	Optimization of nickel biosorption by chemically modified brown macroalgae ( <i>Pelvetia canaliculata</i> ). <i>Chemical Engineering Journal</i> , <b>2012</b> , 193-194, 256-266	14.7	46
36	Adding value to marine macro-algae <i>Laminaria digitata</i> through its use in the separation and recovery of trivalent chromium ions from aqueous solution. <i>Chemical Engineering Journal</i> , <b>2012</b> , 193-194, 348-357	14.7	38
35	Sulphide removal from petroleum refinery wastewaters by catalytic oxidation. <i>Desalination and Water Treatment</i> , <b>2012</b> , 46, 256-263		5
34	Chemical and Biological Treatment of Fish Canning Wastewaters. <i>International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB)</i> , <b>2012</b> , 237-242	0.3	7
33	A review of the use of red mud as adsorbent for the removal of toxic pollutants from water and wastewater. <i>Environmental Technology (United Kingdom)</i> , <b>2011</b> , 32, 231-49	2.6	176
32	Cr(III) uptake by marine algal biomass: equilibrium and kinetics. <i>International Journal of Environment and Waste Management</i> , <b>2011</b> , 8, 325	0.9	4
31	Environmental Friendly Technologies for Wastewater Treatment: Biosorption of Heavy Metals Using Low Cost Materials and Solar Photocatalysis. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , <b>2011</b> , 159-173	0.3	2
30	Application of the Nernst-Planck approach to lead ion exchange in Ca-loaded <i>Pelvetia canaliculata</i> . <i>Water Research</i> , <b>2010</b> , 44, 3946-58	12.5	42
29	Coconut-based biosorbents for water treatment--a review of the recent literature. <i>Advances in Colloid and Interface Science</i> , <b>2010</b> , 160, 1-15	14.3	123
28	Removal of Cu and Cr from an industrial effluent using a packed-bed column with algae <i>Gelidium</i> -derived material. <i>Hydrometallurgy</i> , <b>2009</b> , 96, 42-46	4	17
27	Copper removal by algal biomass: biosorbents characterization and equilibrium modelling. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 163, 1113-22	12.8	48
26	Trace Metal Fractionation by the Sequential Extraction Method in Sediments from the Lis River (Portugal). <i>Soil and Sediment Contamination</i> , <b>2009</b> , 18, 102-119	3.2	10
25	Cadmium uptake by algal biomass in batch and continuous (CSTR and packed bed column) adsorbers. <i>Biochemical Engineering Journal</i> , <b>2008</b> , 42, 276-289	4.2	17
24	Lead uptake by algae <i>Gelidium</i> and composite material particles in a packed bed column. <i>Chemical Engineering Journal</i> , <b>2008</b> , 144, 420-430	14.7	18
23	Effect of Cu(II), Cd(II) and Zn(II) on Pb(II) biosorption by algae <i>Gelidium</i> -derived materials. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 154, 711-20	12.8	17
22	Continuous biosorption of Pb/Cu and Pb/Cd in fixed-bed column using algae <i>Gelidium</i> and granulated agar extraction algal waste. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 154, 1173-82	12.8	46
21	Kinetics modelling of biosorption by algal biomass from binary metal solutions using batch contactors. <i>Biochemical Engineering Journal</i> , <b>2008</b> , 38, 319-325	4.2	13

20	Copper removal by algae <i>Gelidium</i> , agar extraction algal waste and granulated algal waste: kinetics and equilibrium. <i>Bioresource Technology</i> , <b>2008</b> , 99, 750-62	11	89
19	Lead and copper biosorption by marine red algae <i>Gelidium</i> and algal composite material in a CSTR (Carberry type). <i>Chemical Engineering Journal</i> , <b>2008</b> , 138, 249-257	14.7	34
18	Metal biosorption by algae <i>Gelidium</i> derived materials from binary solutions in a continuous stirred adsorber. <i>Chemical Engineering Journal</i> , <b>2008</b> , 141, 42-50	14.7	14
17	Biosorption of copper by marine algae <i>Gelidium</i> and algal composite material in a packed bed column. <i>Bioresource Technology</i> , <b>2008</b> , 99, 5830-8	11	37
16	Kinetics and equilibrium modelling of lead uptake by algae <i>Gelidium</i> and algal waste from agar extraction industry. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 143, 396-408	12.8	27
15	Methylene blue adsorption by algal biomass based materials: biosorbents characterization and process behaviour. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 147, 120-32	12.8	162
14	Chromium and zinc uptake by algae <i>Gelidium</i> and agar extraction algal waste: kinetics and equilibrium. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 149, 643-9	12.8	48
13	Modeling equilibrium and kinetics of metal uptake by algal biomass in continuous stirred and packed bed adsorbers. <i>Adsorption</i> , <b>2007</b> , 13, 587-601	2.6	26
12	Metal Complexation with Different types of Soluble and Adsorbed Freshwater Ligands Followed by DPASV. <i>Aquatic Geochemistry</i> , <b>2007</b> , 13, 173-186	1.7	1
11	Copper desorption from <i>Gelidium</i> algal biomass. <i>Water Research</i> , <b>2007</b> , 41, 1569-79	12.5	59
10	Boron fixation in wood: studies of fixation mechanisms using model compounds and maritime pine. <i>European Journal of Wood and Wood Products</i> , <b>2006</b> , 64, 445-450	2.1	13
9	Equilibrium and kinetic modelling of Cd(II) biosorption by algae <i>Gelidium</i> and agar extraction algal waste. <i>Water Research</i> , <b>2006</b> , 40, 291-302	12.5	127
8	BIOSORPTION PERFORMANCE OF A BINARY METAL MIXTURE BY ALGAL BIOMASS: COLUMN EXPERIMENTS <b>2006</b> , 281-286		
7	Equilibrium and kinetic modelling of Pb <sup>2+</sup> biosorption by granulated agar extraction algal waste. <i>Process Biochemistry</i> , <b>2005</b> , 40, 3276-3284	4.8	32
6	Influence of pH, ionic strength and temperature on lead biosorption by <i>Gelidium</i> and agar extraction algal waste. <i>Process Biochemistry</i> , <b>2005</b> , 40, 3267-3275	4.8	146
5	Influence of Metals on Lindane Adsorption onto Pine Bark. <i>Water, Air and Soil Pollution</i> , <b>2003</b> , 3, 181-188		2
4	The use of pine bark as a natural adsorbent for persistent organic pollutants: study of lindane and heptachlor adsorption. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2003</b> , 78, 347-351	3.5	35
3	Interactions of Pb(II) with particles of a polluted river. <i>Analytica Chimica Acta</i> , <b>2002</b> , 462, 73-85	6.6	14

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|---|--|------|----|
| 2 | Interactions of lead(II) with natural river water: part I. Soluble organics. <i>Science of the Total Environment</i> , <b>1994</b> , 149, 69-81      | 10.2 | 15 |
| 1 | Interactions of lead(II) with natural river water. Part II: particulate matter. <i>Science of the Total Environment</i> , <b>1994</b> , 151, 101-112 | 10.2 | 6  |