

# Pablo Lodeiro

## List of Publications by Year in descending order

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54  
papers

1,969  
citations

279487

23  
h-index

243296

44  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2099  
citing authors

#	ARTICLE	IF	CITATIONS
1	The marine macroalga <i>Cystoseira baccata</i> as biosorbent for cadmium(II) and lead(II) removal: Kinetic and equilibrium studies. <i>Environmental Pollution</i> , 2006, 142, 264-273.	3.7	325
2	Biosorption of cadmium by biomass of brown marine macroalgae. <i>Bioresource Technology</i> , 2005, 96, 1796-1803.	4.8	177
3	Removal of inorganic mercury from aqueous solutions by biomass of the marine macroalga <i>Cystoseira baccata</i> . <i>Water Research</i> , 2005, 39, 3199-3210.	5.3	130
4	Physicochemical studies of Cadmium(II) biosorption by the invasive alga in Europe, <i>Sargassum muticum</i> . <i>Biotechnology and Bioengineering</i> , 2004, 88, 237-247.	1.7	118
5	Biosorption of Cadmium by <i>Fucus spiralis</i> . <i>Environmental Chemistry</i> , 2004, 1, 180.	0.7	116
6	The use of protonated <i>Sargassum muticum</i> as biosorbent for cadmium removal in a fixed-bed column. <i>Journal of Hazardous Materials</i> , 2006, 137, 244-253.	6.5	83
7	Interactions of cadmium(II) and protons with dead biomass of marine algae <i>Fucus</i> sp.. <i>Marine Chemistry</i> , 2006, 99, 106-116.	0.9	73
8	Thermodynamic and Kinetic Aspects on the Biosorption of Cadmium by Low Cost Materials: A Review. <i>Environmental Chemistry</i> , 2006, 3, 400.	0.7	70
9	Batch desorption studies and multiple sorption "regeneration" cycles in a fixed-bed column for Cd(II) elimination by protonated <i>Sargassum muticum</i> . <i>Journal of Hazardous Materials</i> , 2006, 137, 1649-1655.	6.5	64
10	The efficiency of the red alga <i>Mastocarpus stellatus</i> for remediation of cadmium pollution. <i>Bioresource Technology</i> , 2008, 99, 4138-4146.	4.8	56
11	Acid-Base Properties of Brown Seaweed Biomass Considered As a Donnan Gel. A Model Reflecting Electrostatic Effects and Chemical Heterogeneity. <i>Environmental Science &amp; Technology</i> , 2003, 37, 5159-5167.	4.6	48
12	Novel Fe loaded activated carbons with tailored properties for As(V) removal: Adsorption study correlated with carbon surface chemistry. <i>Chemical Engineering Journal</i> , 2013, 215-216, 105-112.	6.6	46
13	Silver nanoparticles coated with natural polysaccharides as models to study AgNP aggregation kinetics using UV-Visible spectrophotometry upon discharge in complex environments. <i>Science of the Total Environment</i> , 2016, 539, 7-16.	3.9	43
14	Experimental evidences for a new model in the description of the adsorption-coupled reduction of Cr(VI) by protonated banana skin. <i>Bioresource Technology</i> , 2013, 139, 181-189.	4.8	42
15	Cr(III) binding by surface polymers in natural biomass: the role of carboxylic groups. <i>Environmental Chemistry</i> , 2008, 5, 355.	0.7	36
16	A dynamic proof of mercury elimination from solution through a combined sorption "reduction" process. <i>Bioresource Technology</i> , 2010, 101, 8969-8974.	4.8	36
17	Biosorption of cadmium by the protonated macroalga <i>Sargassum muticum</i> : Binding analysis with a nonideal, competitive, and thermodynamically consistent adsorption (NICCA) model. <i>Journal of Colloid and Interface Science</i> , 2005, 289, 352-358.	5.0	34
18	New polymeric/inorganic hybrid sorbents based on red mud and nanosized magnetite for large scale applications in As(V) removal. <i>Chemical Engineering Journal</i> , 2017, 311, 117-125.	6.6	32

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19	Aluminium removal from wastewater by refused beach cast seaweed. Equilibrium and dynamic studies. <i>Journal of Hazardous Materials</i> , 2010, 178, 861-866.	6.5	31
20	Reduction of Cr (VI) levels in solution using bracken fern biomass: Batch and column studies. <i>Chemical Engineering Journal</i> , 2010, 165, 517-523.	6.6	30
21	Cr(VI) removal from synthetic and real wastewaters: The use of the invasive biomass <i>Sargassum muticum</i> in batch and column experiments. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1370-1376.	2.9	24
22	Effect of polymer coating composition on the aggregation rates of Ag nanoparticles in NaCl solutions and seawaters. <i>Science of the Total Environment</i> , 2018, 631-632, 1153-1162.	3.9	24
23	The influence of Arctic Fe and Atlantic fixed N on summertime primary production in Fram Strait, North Greenland Sea. <i>Scientific Reports</i> , 2020, 10, 15230.	1.6	23
24	Acid-base properties of dissolved organic matter extracted from the marine environment. <i>Science of the Total Environment</i> , 2020, 729, 138437.	3.9	22
25	Antioxidant Capacity Assessment of Plant Extracts for Green Synthesis of Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1679.	1.9	22
26	Integrated valorization of <i>Sargassum muticum</i> in biorefineries. <i>Chemical Engineering Journal</i> , 2021, 404, 125635.	6.6	21
27	Gold recovery from artificial seawater using synthetic materials and seaweed biomass to induce gold nanoparticles formation in batch and column experiments. <i>Marine Chemistry</i> , 2013, 152, 11-19.	0.9	19
28	Mechanisms of silver nanoparticle toxicity to the coastal marine diatom <i>Chaetoceros curvisetus</i> . <i>Scientific Reports</i> , 2017, 7, 10777.	1.6	19
29	Mercury species export from the Arctic to the Atlantic Ocean. <i>Marine Chemistry</i> , 2020, 225, 103855.	0.9	19
30	Full description of copper uptake by algal biomass combining an equilibrium NICA model with a kinetic intraparticle diffusion driving force approach. <i>Bioresource Technology</i> , 2011, 102, 2990-2997.	4.8	18
31	The 79°N Glacier cavity modulates subglacial iron export to the NE Greenland Shelf. <i>Nature Communications</i> , 2021, 12, 3030.	5.8	17
32	Natural Fe-binding organic ligands in Fram Strait and over the northeast Greenland shelf. <i>Marine Chemistry</i> , 2020, 224, 103815.	0.9	16
33	Physicochemical characterisation of the ubiquitous bracken fern as useful biomaterial for preconcentration of heavy metals. <i>Bioresource Technology</i> , 2009, 100, 1561-1567.	4.8	15
34	Detection of silver nanoparticles in seawater at ppb levels using UV-visible spectrophotometry with long path cells. <i>Talanta</i> , 2017, 164, 257-260.	2.9	14
35	Competition effects in cation binding to humic acid: Conditional affinity spectra for fixed total metal concentration conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5216-5227.	1.6	12
36	Dissolved concentrations and organic speciation of copper in the Amazon River estuary and mixing plume. <i>Marine Chemistry</i> , 2021, 234, 104005.	0.9	12

#	ARTICLE	IF	CITATIONS
37	Trace Element (Fe, Co, Ni and Cu) Dynamics Across the Salinity Gradient in Arctic and Antarctic Glacier Fjords. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	12
38	Iron Speciation in Fram Strait and Over the Northeast Greenland Shelf: An Inter-Comparison Study of Voltammetric Methods. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	11
39	Use of Waste-Derived Biochar to Remove Copper from Aqueous Solution in a Continuous-Flow System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 12755-12762.	1.8	9
40	Arctic " Atlantic Exchange of the Dissolved Micronutrients Iron, Manganese, Cobalt, Nickel, Copper and Zinc With a Focus on Fram Strait. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	9
41	A Physicochemical Study of Al(+3) Interactions with Edible Seaweed Biomass in Acidic Waters. <i>Journal of Food Science</i> , 2012, 77, C987-93.	1.5	7
42	The proton binding properties of biosorbents. <i>Environmental Chemistry Letters</i> , 2019, 17, 1281-1298.	8.3	6
43	Seasonal Variations in Proton Binding Characteristics of Dissolved Organic Matter Isolated from the Southwest Baltic Sea. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16215-16223.	4.6	6
44	Gold reduction in batch and column experiments using silica gel derivatives and seaweed biomass. <i>Chemical Engineering Journal</i> , 2013, 230, 372-379.	6.6	5
45	A Systematic Analysis and Review of the Fundamental Acid-Base Properties of Biosorbents. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 73-133.	0.3	4
46	Biosorption of chemical species by <i>Sargassum</i> algal biomass: Equilibrium data, part I. , 2020, , 675-696.		3
47	Optimization of hyphenated asymmetric flow field-flow fractionation for the analysis of silver nanoparticles in aqueous solutions. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6889-6904.	1.9	3
48	Electrostatic Effects in Biosorption. The Role of the Electrochemistry. <i>Portugaliae Electrochimica Acta</i> , 2007, 25, 43-54.	0.4	3
49	Efficiency of copper removal by <i>Sargassum sinicola</i> in batch and continuous systems. <i>Journal of Applied Phycology</i> , 2013, 25, 1933-1937.	1.5	2
50	Electroreduction of Diphenyl Disulfide on a Self-Assembled Lipid Monolayer on Mercury. <i>Langmuir</i> , 2002, 18, 9377-9382.	1.6	1
51	Utilization of seaweed waste: Biosorption of toxic compounds onto invasive seaweed and seaweed wastes. , 2020, , 613-639.		1
52	Non-Metabolic Uptake of Al <sup>3+</sup> by Dead Leaves of <i>Rubus ulmifolius</i> : Comparison With Metabolic Bioaccumulation Data. <i>Clean - Soil, Air, Water</i> , 2016, 44, 154-161.	0.7	0
53	Solid-Liquid Equilibria in Aqueous Solutions of Tris, Tris-NaCl, Tris-TrisHCl, and Tris-(TrisH)2SO4 at Temperatures from 5 to 45 °C. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 437-455.	1.0	0
54	Trace elements in Arctic and Antarctic glacier fjords. , 2021, , .		0