JosÃ© Luis Barriada

List of Publications by Year
in descending order

50 papers	1,736 citations	304701 22 h-index	276858 41 g-index
50 all docs	50 docs citations	50 times ranked	2357 citing authors

#	Article	IF	Citations
1	Green development of iron doped silica gel materials for chromium decontamination. Journal of Environmental Chemical Engineering, 2022, 10, 108258.	6.7	3
2	Antioxidant Capacity Assessment of Plant Extracts for Green Synthesis of Nanoparticles. Nanomaterials, 2021, 11, 1679.	4.1	22
3	Complexation of Mn(II) by Rigid Pyclen Diacetates: Equilibrium, Kinetic, Relaxometric, Density Functional Theory, and Superoxide Dismutase Activity Studies. Inorganic Chemistry, 2021, 60, 1133-1148.	4.0	34
4	An electrochemically controlled supramolecular zip tie based on hostâ€“guest chemistry of CB[8]. Organic and Biomolecular Chemistry, 2020, 18, 5228-5233.	2.8	2
5	Utilization of seaweed waste: Biosorption of toxic compounds onto invasive seaweed and seaweed wastes. , 2020, , 613-639.		1
6	Biosorption of chemical species by Sargassum algal biomass: Equilibrium data, part I. , 2020, , 675-696.		3
7	The proton binding properties of biosorbents. Environmental Chemistry Letters, 2019, 17, 1281-1298.	16.2	6
8	The role of ligand to metal charge-transfer states on the luminescence of Europium complexes with 18-membered macrocyclic ligands. Dalton Transactions, 2019, 48, 4035-4045.	3.3	26
9	Thinking outside the â€œBlue Boxâ€ from molecular to supramolecular pH-responsiveness. Chemical Science, 2019, 10, 10680-10686.	7.4	26
10	DETERMINATION OF BIOSORPTION MECHANISM IN BIOMASS OF AGAVE, USING SPECTROSCOPIC AND MICROSCOPIC TECHNIQUES FOR THE PURIFICATION OF CONTAMINATED WATER. Revista Mexicana De Ingeniera Quimica, 2019, 19, 215-226.	0.4	3
11	Taking the next step toward inert Mn²⁺ complexes of open-chain ligands: the case of the rigid PhDTA ligand. New Journal of Chemistry, 2018, 42, 8001-8011.	2.8	34
12	A Systematic Analysis and Review of the Fundamental Acid-Base Properties of Biosorbents. Environmental Chemistry for A Sustainable World, 2018, , 73-133.	0.5	4
13	New polymeric/inorganic hybrid sorbents based on red mud and nanosized magnetite for large scale applications in As(V) removal. Chemical Engineering Journal, 2017, 311, 117-125.	12.7	32
14	Nonâ€Metabolic Uptake of Al³⁺ by Dead Leaves of <i>Rubus ulmifolius</i>: Comparison With Metabolic Bioaccumulation Data. Clean - Soil, Air, Water, 2016, 44, 154-161.	1.1	0
15	Green synthesis of iron oxide nanoparticles. Development of magnetic hybrid materials for efficient As(V) removal. Chemical Engineering Journal, 2016, 301, 83-91.	12.7	204
16	Achieving sub-10 ppb arsenic levels with iron based biomass-silica gel composites. Chemical Engineering Journal, 2015, 279, 1-8.	12.7	15
17	Stabilizing Divalent Europium in Aqueous Solution Using Size-Discrimination and Electrostatic Effects. Inorganic Chemistry, 2015, 54, 4940-4952.	4.0	39
18	Mono-, Bi-, and Trinuclear Bis-Hydrated Mn²⁺ Complexes as Potential MRI Contrast Agents. Inorganic Chemistry, 2015, 54, 9576-9587.	4.0	40

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19	Interaction of heavy metals with Ca-pretreated Sargassum muticum algal biomass: Characterization as a cation exchange process. Chemical Engineering Journal, 2015, 264, 181-187.	12.7	39
20	Surface modifications of Sargassum muticum algal biomass for mercury removal: A physicochemical study in batch and continuous flow conditions. Chemical Engineering Journal, 2013, 229, 378-387.	12.7	21
21	Experimental evidences for a new model in the description of the adsorption-coupled reduction of Cr(VI) by protonated banana skin. Bioresource Technology, 2013, 139, 181-189.	9.6	42
22	A Physicochemical Study of Al(+3) Interactions with Edible Seaweed Biomass in Acidic Waters. Journal of Food Science, 2012, 77, C987-93.	3.1	7
23	Adsorptive behaviour of mercury on algal biomass: Competition with divalent cations and organic compounds. Journal of Hazardous Materials, 2011, 192, 284-91.	12.4	36
24	A dynamic proof of mercury elimination from solution through a combined sorptionâ€“reduction process. Bioresource Technology, 2010, 101, 8969-8974.	9.6	36
25	Reduction of Cr (VI) levels in solution using bracken fern biomass: Batch and column studies. Chemical Engineering Journal, 2010, 165, 517-523.	12.7	30
26	Dissolved silver in European estuarine and coastal waters. Water Research, 2010, 44, 4204-4216.	11.3	71
27	Mercury removal: a physicochemical study of metal interaction with natural materials. Journal of Chemical Technology and Biotechnology, 2009, 84, 1688-1696.	3.2	22
28	Physicochemical characterisation of the ubiquitous bracken fern as useful biomaterial for preconcentration of heavy metals. Bioresource Technology, 2009, 100, 1561-1567.	9.6	15
29	Interaction of mercury with chitin: A physicochemical study of metal binding by a natural biopolymer. Reactive and Functional Polymers, 2008, 68, 1609-1618.	4.1	29
30	Waste spider crab shell and derived chitin as low-cost materials for cadmium and lead removal. Journal of Chemical Technology and Biotechnology, 2007, 82, 39-46.	3.2	39
31	Dissolved silver measurements in seawater. TrAC - Trends in Analytical Chemistry, 2007, 26, 809-817.	11.4	176
32	The marine macroalga Cystoseira baccata as biosorbent for cadmium(II) and lead(II) removal: Kinetic and equilibrium studies. Environmental Pollution, 2006, 142, 264-273.	7.5	325
33	Biosorption of cadmium by the protonated macroalga Sargassum muticum: Binding analysis with a nonideal, competitive, and thermodynamically consistent adsorption (NICCA) model. Journal of Colloid and Interface Science, 2005, 289, 352-358.	9.4	34
34	Biosorption of cadmium by biomass of brown marine macroalgae. Bioresource Technology, 2005, 96, 1796-1803.	9.6	177
35	VOLTAMMETRY | Cathodic Stripping. , 2005, , 203-211.		4
36	Comparison of Several Calibration Procedures for Glass Electrodes in Proton Concentration. Monatshefte FÃ¼r Chemie, 2004, 135, 1475-1488.	1.8	43

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37	Automation of a flow injection system for the determination of dissolved silver at picomolar concentrations in seawater with inductively coupled plasma mass spectrometry. Journal of Automated Methods and Management in Chemistry, 2003, 25, 93-100.	0.5	11
38	Automation of a flow injection system for the determination of dissolved silver at picomolar concentrations in seawater with inductively coupled plasma mass spectrometry. Journal of Automated Methods and Management in Chemistry, 2003, 25, 93-100.	0.5	1
39	pH Standardization of 0.05 molÂ·kg-1Tetraoxalate Buffer:â€‰ Application of the Pitzer Formalism. Journal of Chemical & Engineering Data, 2001, 46, 1292-1296.	1.9	4
40	The mean spherical approximation and the prediction of the size of the species involved in an ionization equilibrium in saline media. Physical Chemistry Chemical Physics, 2001, 3, 1053-1056.	2.8	5
41	The salting coefficient and size of alkylamines in saline media at different temperatures: estimation from Pitzer equations and the mean spherical approximation. Fluid Phase Equilibria, 2001, 180, 313-325.	2.5	11
42	Estimating the Change in Liquid Junction Potential on Glass Electrodes. Electroanalysis, 2001, 13, 1110-1114.	2.9	10
43	Acidâ˜'Base Equilibria of Monocarboxylic Acids in Various Saline Media:â€‰ Analysis of Data Using Pitzer Equations. Journal of Chemical & Engineering Data, 2000, 45, 1173-1178.	1.9	21
44	Effect of Ionic Strength on the Electrochemical Behavior of Glutathione on a Phospholipid Self-Assembled Monolayer on Mercury. Langmuir, 2000, 16, 5148-5153.	3.5	16
45	A Simple Correlation Between Points with Activity Coefficient Unity for 1: 1 Electrolytes at 298 K. Portugaliae Electrochimica Acta, 2000, 18, 181-193.	1.1	0
46	Title is missing!. Journal of Solution Chemistry, 1999, 28, 555-565.	1.2	0
47	Voltammetry of 6,6'-dithiodinicotinic acid on a self-assembled phospholipid monolayer prive. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1999, 96, 665-684.	0.2	0
48	Voltammetry of L-cysteine and 2-mercaptopyridine on a self-assembled phospholipid monolayer. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1999, 96, 1367-1386.	0.2	0
49	Trend and energetics of pK* s. ionic strength for o-chlorobenzoic, m-nitrobenzoic and benzoic acids in aqueous KNO3 solutions at 298 K. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 3093-3096.	1.7	4
50	Acidâ˜'Base Equilibrium Constants for Glycine in NaClO4, KCl, and KBr at 298 K. Dependence on Ionic Strength. Journal of Chemical & Engineering Data, 1998, 43, 876-879.	1.9	13