

Marisol Vega

List of Publications by Year in descending order

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58
papers

3,894
citations

257101

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138251

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59
all docs

59
docs citations

59
times ranked

3954
citing authors

#	ARTICLE	IF	CITATIONS
1	Baseline thorium concentration and isotope ratios in topsoil of Zacatecas State, Mexico. <i>Chemosphere</i> , 2021, 268, 128915.	4.2	2
2	Effect of process parameters on the valorization of components from microalgal and microalgal-bacteria biomass by enzymatic hydrolysis. <i>Bioresource Technology</i> , 2021, 335, 125256.	4.8	3
3	Optimization of a chemical scrubbing process based on a Fe-EDTA-carbonate based solvent for the simultaneous removal of CO ₂ and H ₂ S from biogas. <i>Journal of Water Process Engineering</i> , 2020, 37, 101476.	2.6	10
4	Voltammetric study of triazole antifungal agent terconazole on sp ³ and sp ² carbon-based electrode materials. <i>Journal of Electroanalytical Chemistry</i> , 2020, 863, 114054.	1.9	9
5	Determination of natural uranium by various analytical techniques in soils of Zacatecas State (Mexico). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 1135-1144.	0.7	11
6	Optimisation of the production of fermentable monosaccharides from algal biomass grown in photobioreactors treating wastewater. <i>Bioresource Technology</i> , 2019, 281, 239-249.	4.8	18
7	Recovery of proteins from biomass grown in pig manure microalgae-based treatment plants by alkaline hydrolysis and acidic precipitation. <i>Bioresource Technology</i> , 2019, 273, 599-607.	4.8	35
8	Comparative uptake study of arsenic, boron, copper, manganese and zinc from water by different green microalgae. <i>Bioresource Technology</i> , 2018, 263, 49-57.	4.8	119
9	Characterization of regional cold-hydrothermal inflows enriched in arsenic and associated trace-elements in the southern part of the Duero Basin (Spain), by multivariate statistical analysis. <i>Science of the Total Environment</i> , 2017, 593-594, 211-226.	3.9	17
10	Fate of the drug chlorpromazine in river water according to laboratory assays. Identification and evolution over time of degradation products. Sorption to sediment. <i>Chemosphere</i> , 2016, 162, 285-292.	4.2	7
11	Hydrochemical and sedimentological dynamics in a subtropical plain river: assessment by multivariate statistical analysis. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	1
12	Joint interpretation of the hydrochemistry of two neighbouring basins by N-way multivariate methods. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	1
13	Arsenic, barium, strontium and uranium geochemistry and their utility as tracers to characterize groundwaters from the Espadn Calderona Triassic Domain, Spain. <i>Science of the Total Environment</i> , 2015, 512-513, 599-612.	3.9	25
14	Electrochemical formation of Sc-Al intermetallic compounds in the eutectic LiCl-KCl. Determination of thermodynamic properties.. <i>Electrochimica Acta</i> , 2014, 118, 58-66.	2.6	46
15	Modelling of the groundwater hydrological behaviour of the Languedy creek basin by using Nway multivariate methods. <i>Hydrological Processes</i> , 2014, 28, 4743-4755.	1.1	4
16	Three-way principal component analysis as a tool to evaluate the chemical stability of metal bearing residues from wastewater treatment by the ferrite process. <i>Journal of Hazardous Materials</i> , 2013, 262, 71-82.	6.5	10
17	Cathodic behaviour and oxoacidity reactions of samarium (III) in two molten chlorides with different acidity properties: The eutectic LiClKCl and the equimolar CaCl ₂ NaCl melt. <i>Electrochimica Acta</i> , 2013, 97, 120-131.	2.6	35
18	Electrochemistry of scandium in the eutectic LiClKCl. <i>Electrochimica Acta</i> , 2012, 71, 166-172.	2.6	28

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19	Modelling spatial and temporal variations in the water quality of an artificial water reservoir in the semiarid Midwest of Argentina. <i>Analytica Chimica Acta</i> , 2011, 705, 243-252.	2.6	25
20	Magnetic solid phase extraction based on phenyl silica adsorbent for the determination of tetracyclines in milk samples by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2011, 1218, 2196-2202.	1.8	181
21	Chemical and Electrochemical Extraction of Ytterbium from Molten Chlorides in Pyrochemical Processes. <i>Electroanalysis</i> , 2011, 23, 222-236.	1.5	59
22	Multicommutated Anodic Stripping Voltammetry at Tubular Bismuth Film Electrode for Lead Determination in Gunshot Residues. <i>Electroanalysis</i> , 2009, 21, 452-458.	1.5	19
23	Modelling of chemical fractionation patterns of metals in soils by two-way and three-way principal component analysis. <i>Analytica Chimica Acta</i> , 2008, 606, 26-36.	2.6	40
24	Construction and evaluation of As(V) selective electrodes based on iron oxyhydroxide embedded in silica gel membrane. <i>Analytica Chimica Acta</i> , 2005, 539, 229-236.	2.6	11
25	Speciation of Inorganic Arsenic in Waters by Potentiometric Flow Analysis with On-Line Preconcentration. <i>Electroanalysis</i> , 2005, 17, 504-511.	1.5	11
26	A RAPID ESTIMATION OF METAL CONTENTS IN WASTEWATER TREATMENT FOR CONDUCTIVITY MEASUREMENTS. <i>Journal of the Chilean Chemical Society</i> , 2005, 50, .	0.5	3
27	Application of two- and three-way principal component analysis to the interpretation of chemical fractionation results obtained by the use of the B.C.R. procedure. <i>Analytica Chimica Acta</i> , 2004, 523, 125-132.	2.6	52
28	Biosorption of cadmium, copper, lead and zinc by inactive biomass of <i>Pseudomonas Putida</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 26-32.	1.9	247
29	Characterization of nickel-bearing ferrites obtained as by-products of hydrochemical wastewater purification processes. <i>Electrochimica Acta</i> , 2002, 47, 1959-1965.	2.6	17
30	Determination of mercury in refined beet sugar by anodic stripping voltammetry without sample pretreatment. <i>Food Chemistry</i> , 2001, 74, 527-531.	4.2	19
31	Title is missing!. <i>Russian Journal of Applied Chemistry</i> , 2001, 74, 1321-1324.	0.1	20
32	Chemical and electrochemical behaviour of chromium in molten chlorides. <i>Journal of Electroanalytical Chemistry</i> , 2000, 493, 1-14.	1.9	20
33	Determination of cadmium by differential pulse adsorptive stripping voltammetry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 23, 99-106.	1.4	18
34	Determination of nickel and cobalt in refined beet sugar by adsorptive cathodic stripping voltammetry without sample pretreatment. <i>Food Chemistry</i> , 2000, 71, 139-145.	4.2	37
35	Temporal evolution of groundwater composition in an alluvial aquifer (Pisuerga River, Spain) by principal component analysis. <i>Water Research</i> , 2000, 34, 807-816.	5.3	956
36	Determination of saponin in sugar juices from sugar refining processes by stripping voltammetry. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2000, 35, 609-623.	0.9	2

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37	A Case of Hydrochemical Characterization of an Alluvial Aquifer Influenced by Human Activities. Water, Air, and Soil Pollution, 1999, 112, 365-387.	1.1	46
38	Monitoring of the photochemical degradation of metamitron and imidacloprid by micellar electrokinetic chromatography and differential pulse polarography. Pest Management Science, 1999, 55, 949-954.	0.7	1
39	Determination of mineral balances in sheep offered feed with added cadmium and zinc. Fresenius' Journal of Analytical Chemistry, 1998, 361, 343-348.	1.5	15
40	Optimization of the operational variables of a medium-scale reactor for metal-containing wastewater purification by ferrite formation. Water Research, 1998, 32, 3055-3061.	5.3	51
41	Assessment of seasonal and polluting effects on the quality of river water by exploratory data analysis. Water Research, 1998, 32, 3581-3592.	5.3	998
42	Determination of copper and arsenic in refined beet sugar by stripping voltammetry without sample pretreatment. Analyst, The, 1998, 123, 743-747.	1.7	33
43	Determination of Zinc, Cadmium and Lead in Untreated Sugar Samples by Anodic Stripping Voltammetry. Analyst, The, 1997, 122, 727.	1.7	24
44	Determination of Cobalt in Seawater by Catalytic Adsorptive Cathodic Stripping Voltammetry. Analytical Chemistry, 1997, 69, 874-881.	3.2	107
45	Electrochemical study of the herbicide Tribenuron. Fresenius' Journal of Analytical Chemistry, 1997, 357, 962-966.	1.5	8
46	Electrochemical behaviour of vanadium compounds at a carbon paste electrode. Journal of Electroanalytical Chemistry, 1997, 427, 35-42.	1.9	18
47	Chemical and electrochemical behaviour of copper ions in the ZnCl ₂ -2NaCl mixture at 450 °C. Electrochimica Acta, 1997, 42, 1495-1506.	2.6	10
48	Optimisation of a purification method for metal-containing wastewater by use of a Taguchi experimental design. Water Research, 1996, 30, 2309-2314.	5.3	47
49	Electrochemical reduction of Fe(II) ions on different solid electrodes in fused ZnCl ₂ -2NaCl mixture. Journal of Applied Electrochemistry, 1996, 26, 1279.	1.5	15
50	Application of the Taguchi Experimental Design to the Removal of Toxic Metals From Waste Waters by Precipitation as Magnetic Ferrites. Analytical Letters, 1996, 29, 613-633.	1.0	18
51	Pseudopolarographic determination of stability constants of labile zinc complexes in fresh water. Analytica Chimica Acta, 1995, 310, 131-138.	2.6	29
52	Electrochemical study of the properties of iron ions in ZnCl ₂ + 2NaCl melt at 450 °C. Journal of Electroanalytical Chemistry, 1995, 397, 139-147.	1.9	30
53	Determination of vanadium in sea water by catalytic adsorptive cathodic stripping voltammetry. Analytica Chimica Acta, 1994, 293, 19-28.	2.6	50
54	Application of the taguchi experimental design to the optimisation of a photo-oxidation procedure for trace metal analysis in freshwater. Fresenius' Journal of Analytical Chemistry, 1994, 350, 139-144.	1.5	3

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55	Voltammetric complexation capacity of waters of the Pisuerga river. Water Research, 1994, 28, 2139-2146.	5.3	15
56	Study of the Contents and Speciation of Heavy Metals in River sediments By Factor Analysis. Analytical Letters, 1993, 26, 1719-1739.	1.0	34
57	Determination and speciation of heavy metals in sediments of the Pisuerga river. Water Research, 1990, 24, 373-379.	5.3	212
58	Levels and Speciation of Heavy Metals in Waters of Valladolid. International Journal of Environmental Analytical Chemistry, 1989, 37, 117-123.	1.8	10