Carlos PeÃ‘a-Farfal

List of Publications by Year
in descending order

30 papers	446 citations	840119 11 h-index	713013 21 g-index
30 all docs	30 docs citations	30 times ranked	741 citing authors

#	Article	IF	Citations
1	Simultaneous degradation of 30 pharmaceuticals by anodic oxidation: Main intermediaries and by-products. Chemosphere, 2021, 269, 128753.	4.2	19
2	Confocal laser scanning microscopy as a novel tool of hyperspectral imaging for the localization and quantification of fluorescent active principles in pharmaceutical solid dosage forms. Microchemical Journal, 2021, 168, 106479.	2.3	1
3	Evaluation of NIR and Raman spectroscopies for the quality analytical control of a solid pharmaceutical formulation with three active ingredients.. Microchemical Journal, 2020, 154, 104576.	2.3	12
4	MECHANICAL AND MORPHOLOGICAL PROPERTIES OF POLY(3-HYDROXYBUTYRATE)-THERMOPLASTIC STARCH/CLAY/EUGENOL BIONANOCOMPOSITES. Journal of the Chilean Chemical Society, 2020, 65, 4992-4997.	0.5	3
5	DEVELOPMENT AND CHARACTERIZATION OF A SENSOR BASED ON CARBON NANOFIBERS: APPLICATION TO ACETAZOLAMIDE DETERMINATION IN PHARMACEUTICALS AND BIOLOGICAL FLUIDS. Journal of the Chilean Chemical Society, 2019, 64, 4382-4385.	0.5	1
6	Size exclusion chromatography â€“ Inductively coupled plasma â€“ Mass spectrometry for determining metal-low molecular weight compound complexes in natural wines. Talanta, 2019, 195, 558-565.	2.9	14
7	OPTIMIZATION AND VALIDATION OF A LIQUID CHROMATOGRAPHIC METHOD FOR DETERMINATION OF CAPSAICIN IN CHILI PEPPERS. Journal of the Chilean Chemical Society, 2019, 64, 4475-4479.	0.5	5
8	ADSORPTION ABILITY OF ACTIVATED CARBON OBTAINED FROM SUB-BITUMINOUS COAL (LEBU, CHILE) TO CAPTURE TRIMETHYLAMINE. Journal of the Chilean Chemical Society, 2019, 64, 4582-4585.	0.5	4
9	EFFECT OF CHEMICAL AND PHYSICAL VARIABLES IN THE PHOTO-ELECTROCHEMICAL REMOVAL OF ESTRIOL (E3) AND 17 α-ETHINYLESTRADIOL (EE2) IN AQUEOUS SOLUTION. Journal of the Chilean Chemical Society, 2018, 63, 4250-4256.	0.5	1
10	In vitro human bioavailability of major, trace and ultra-trace elements in Chilean â€˜naturalâ€™ wines from Itata Valley. Food and Function, 2018, 9, 5381-5389.	2.1	4
11	Antioxidant and antifungal effects of eugenol incorporated in bionanocomposites of poly(3-hydroxybutyrate)-thermoplastic starch. LWT - Food Science and Technology, 2018, 98, 260-267.	2.5	53
12	Bienzymatic Biosensor for Malic Acid Based on Malate Dehydrogenase and Transaminase Immobilized onto a Glassy Carbon Powder/Carbon Nanotubes/Nad⁺ Composite Electrode. Electroanalysis, 2017, 29, 238-243.	1.5	7
13	Chemical Characterization and Determination of the Anti-Oxidant Capacity of Two Brown Algae with Respect to Sampling Season and Morphological Structures Using Infrared Spectroscopy and Multivariate Analyses. Applied Spectroscopy, 2017, 71, 2263-2277.	1.2	14
14	Study of the Ultrastructure of Eucalyptus globulus Wood Substrates Subjected to Auto-Hydrolysis and Diluted Acid Hydrolysis Pre-treatments and Its Influence on Enzymatic Hydrolysis. Bioenergy Research, 2017, 10, 714-727.	2.2	7
15	CHEMICAL CHARACTERIZATION OF SUB-BITUMINOUS COAL FROM THE ARAUCO PROVINCE - CHILE. Journal of the Chilean Chemical Society, 2016, 61, 2805-2808.	0.5	0
16	A new near-infrared method for simultaneous determination of caffeic acid phenethyl ester and antioxidant activity of propolis samples. Journal of Apicultural Research, 2016, 55, 8-18.	0.7	3
17	A Selective Chromatographic Method to Determine the Dynamic of Biogenic Amines During Brewing Process. Food Analytical Methods, 2016, 9, 3385-3395.	1.3	6
18	ANALYTICAL TESTING OF THE INTERFERENCE STANDARD METHOD (IFS) FOR METALS IN WINES BY INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY. Journal of the Chilean Chemical Society, 2015, 60, 3083-3087.	0.5	2

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19	Removal of arsenic from water by combination of electroâ€oxidation and polymer enhanced ultrafiltration. Environmental Progress and Sustainable Energy, 2014, 33, 918-924.	1.3	20
20	Development of a bienzymatic amperometric biosensor to determine uric acid in human serum, based on mesoporous silica (MCM-41) for enzyme immobilization. Sensors and Actuators B: Chemical, 2014, 195, 58-62.	4.0	36
21	Development of a Bienzymatic Amperometric Glucose Biosensor Using Mesoporous Silica (MCMâ€41) for Enzyme Immobilization and Its Application on Liquid Pharmaceutical Formulations. Electroanalysis, 2013, 25, 308-315.	1.5	11
22	Preliminary evaluation of biogenic amines content in Chilean young varietal wines by HPLC. Food Control, 2012, 23, 251-257.	2.8	66
23	Advanced Electrochemical Oxidation of Ultrafiltration Permeates from Cellulose Bleaching Effluents. Journal of Advanced Oxidation Technologies, 2012, 15, .	0.5	0
24	Electrochemical Treatment of Segregated Effluents from the D-Stage in ECF Kraft Cellulose Bleaching. Journal of Advanced Oxidation Technologies, 2011, 14, .	0.5	0
25	Electrochemical detection of arsenite with silver electrodes in inorganic electrolyte and natural system mixtures. Journal of the Brazilian Chemical Society, 2011, 22, 2362-2370.	0.6	7
26	Liquid-phase polymer-based retention and coupled electrocatalytic oxidation to remove Arsenic in the presence of competitive species. Polymer Bulletin, 2011, 67, 1773-1784.	1.7	1
27	Determination of Î²-carboline alkaloids in foods and beverages by high-performance liquid chromatography with electrochemical detection at a glassy carbon electrode modified with carbon nanotubes. Analytica Chimica Acta, 2007, 585, 323-330.	2.6	41
28	Speeding up enzymatic hydrolysis procedures for the multi-element determination in edible seaweed. Analytica Chimica Acta, 2005, 548, 183-191.	2.6	36
29	Ultrasound Bath-Assisted Enzymatic Hydrolysis Procedures as Sample Pretreatment for the Multielement Determination in Mussels by Inductively Coupled Plasma Atomic Emission Spectrometry. Analytical Chemistry, 2004, 76, 3541-3547.	3.2	46
30	Use of enzymatic hydrolysis for the multi-element determination in mussel soft tissue by inductively coupled plasma-atomic emission spectrometry. Talanta, 2004, 64, 671-681.	2.9	26