

Jose Luis Beltran

List of Publications by Year in descending order

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57
papers

2,661
citations

218677

26
h-index

182427

51
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58
all docs

58
docs citations

58
times ranked

3106
citing authors

#	ARTICLE	IF	CITATIONS
1	Speciation of the Ionizable Antibiotic Sulfamethazine on Black Carbon (Biochar). <i>Environmental Science & Technology</i> , 2011, 45, 10020-10027.	10.0	407
2	Determination of pKa values of some hydroxylated benzoic acids in methanol-water binary mixtures by LC methodology and potentiometry. <i>Talanta</i> , 2007, 72, 489-496.	5.5	168
3	Determination of pKa values of quinolones from mobility and spectroscopic data obtained by capillary electrophoresis and a diode array detector. <i>Analytica Chimica Acta</i> , 2002, 464, 37-45.	5.4	136
4	Multivariate calibration of polycyclic aromatic hydrocarbon mixtures from excitation-emission fluorescence spectra. <i>Analytica Chimica Acta</i> , 1998, 373, 311-319.	5.4	130
5	Spectrophotometric, potentiometric and chromatographic pKa values of polyphenolic acids in water and acetonitrile-water media. <i>Analytica Chimica Acta</i> , 2003, 484, 253-264.	5.4	126
6	A Highly Stable Metal-Organic Framework-Engineered FeS ₂ /C Nanocatalyst for Heterogeneous Electro-Fenton Treatment: Validation in Wastewater at Mild pH. <i>Environmental Science & Technology</i> , 2020, 54, 4664-4674.	10.0	118
7	Use of cloud point extraction methodology for the determination of PAHs priority pollutants in water samples by high-performance liquid chromatography with fluorescence detection and wavelength programming. <i>Analytica Chimica Acta</i> , 1996, 330, 199-206.	5.4	108
8	Determination of dyes in foodstuffs by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2000, 898, 271-275.	3.7	104
9	Predicting Contaminant Adsorption in Black Carbon (Biochar)-Amended Soil for the Veterinary Antimicrobial Sulfamethazine. <i>Environmental Science & Technology</i> , 2013, 47, 6197-6205.	10.0	104
10	Determination of the dissociation constants of sulfonated azo dyes by capillary zone electrophoresis and spectrophotometry methods. <i>Journal of Chromatography A</i> , 2001, 917, 331-336.	3.7	97
11	Evaluation of stability constants from multi-wavelength absorbance data: program STAR. <i>Analytica Chimica Acta</i> , 1993, 276, 441-454.	5.4	94
12	Solvent Effects on p <i>K_a</i> values of Some Substituted Sulfonamides in Acetonitrile-Water Binary Mixtures by the UV-Spectroscopy Method. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 3014-3021.	1.9	66
13	Ionization constants of pH reference materials in acetonitrile-water mixtures up to 70% (w/w). <i>Analytica Chimica Acta</i> , 1994, 288, 271-278.	5.4	65
14	Three-Way Multivariate Calibration Procedures Applied To High-Performance Liquid Chromatography Coupled with Fast-Scanning Fluorescence Spectrometry Detection. Determination of Polycyclic Aromatic Hydrocarbons in Water Samples. <i>Analytical Chemistry</i> , 1998, 70, 1949-1955.	6.5	54
15	Sorption of tetracyclines onto natural soils: data analysis and prediction. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3087-3095.	5.3	52
16	Determination of sulfonated azo dyes in river water samples by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2000, 883, 277-283.	3.7	48
17	Determination of Dissociation Constants of Some Hydroxylated Benzoic and Cinnamic Acids in Water from Mobility and Spectroscopic Data Obtained by CE-DAD. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 807-811.	1.9	48
18	PKPOT, a program for the potentiometric study of ionic equilibria in aqueous and non-aqueous media. <i>Analytica Chimica Acta</i> , 1995, 317, 75-81.	5.4	44

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19	Determination of sulphonated dyes in water by ion-interaction high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2000, 871, 227-234.	3.7	42
20	Simultaneous determination of Cd(ii), Cu(ii) and Pb(ii) in surface waters by solid phase extraction and flow injection analysis with spectrophotometric detection. <i>Analyst</i> , The, 2001, 126, 1149-1153.	3.5	40
21	Determination of quinolone antimicrobial agents in strongly overlapped peaks from capillary electrophoresis using multivariate calibration methods. <i>Analytica Chimica Acta</i> , 2004, 501, 137-141.	5.4	40
22	On the role of solvent in acid-base equilibria of diuretics in acetonitrile-water mixed solvents. <i>Talanta</i> , 1998, 45, 817-827.	5.5	39
23	Multivariate calibration applied to synchronous fluorescence spectrometry. Simultaneous determination of polycyclic aromatic hydrocarbons in water samples. <i>Talanta</i> , 1998, 45, 1073-1080.	5.5	37
24	Quantitative multicomponent analysis of polycyclic aromatic hydrocarbons in water samples. <i>Analytica Chimica Acta</i> , 1998, 361, 233-240.	5.4	35
25	Determination of naphthalenesulfonates in water by on-line ion-pair solid-phase extraction and ion-pair liquid chromatography with fast-scanning fluorescence detection. <i>Journal of Chromatography A</i> , 2000, 890, 289-294.	3.7	35
26	Development of fast-scanning fluorescence spectra as a detection system for high-performance liquid chromatography Determination of polycyclic aromatic hydrocarbons in water samples. <i>Journal of Chromatography A</i> , 1997, 779, 123-130.	3.7	31
27	Miniglass, an interactive program for the evaluation of stability constants of metal/ligand complexes from potentiometric data. <i>Analytica Chimica Acta</i> , 1986, 181, 87-96.	5.4	26
28	Modelling retention in liquid chromatography of polyphenolic acids. <i>Analytica Chimica Acta</i> , 2005, 537, 53-61.	5.4	25
29	Artificial neural networks (ANNs) in the analysis of polycyclic aromatic hydrocarbons in water samples by synchronous fluorescence. <i>Analytica Chimica Acta</i> , 1999, 384, 261-269.	5.4	24
30	Acid-base and distribution equilibria of 5,7-dichloro-2-methyl-8-hydroxyquinoline in Brij-35 micellar media solutions. <i>Talanta</i> , 1993, 40, 157-165.	5.5	22
31	Dissociation Constants and Octanol-Water Partition Equilibria for Several Fluoroquinolones. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 3327-3332.	1.9	21
32	Study of solvent effects on the acid-base behaviour of adenine, adenosine 3',5'-cyclic monophosphate and poly(adenylic) acid in acetonitrile-water mixtures using hard-modelling and soft-modelling approaches. <i>Analytica Chimica Acta</i> , 2002, 471, 145-158.	5.4	20
33	Sorption of Enrofloxacin and Ciprofloxacin in Agricultural Soils: Effect of Organic Matter. <i>Adsorption Science and Technology</i> , 2014, 32, 153-163.	3.2	19
34	Monitoring UF membrane performance treating surface-groundwater blends: Limitations of FEEM-PARAFAC on the assessment of the organic matter role. <i>Chemical Engineering Journal</i> , 2017, 317, 961-971.	12.7	19
35	Studies on the extraction of sulfonamides from agricultural soils. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 807-814.	3.7	18
36	Evaluation of the Interactions between Human Serum Albumin (HSA) and Non-Steroidal Anti-Inflammatory (NSAIDs) Drugs by Multiwavelength Molecular Fluorescence, Structural and Computational Analysis. <i>Pharmaceuticals</i> , 2021, 14, 214.	3.8	18

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37	Interaction of 5,7-dichloro-2-methyl-8-hydroxyquinoline with ionic micelles. <i>Talanta</i> , 1995, 42, 1989-1997.	5.5	16
38	Parallel factor analysis of partially resolved chromatographic data. <i>Journal of Chromatography A</i> , 1998, 802, 263-275.	3.7	16
39	Spectrophotometric study of the complex formation of 3-(2-hydroxyphenyl)-2-mercaptopropenoic acid with Ni(II) and Zn(II). <i>Talanta</i> , 1992, 39, 981-986.	5.5	15
40	Mathematical procedure for the determination of the breakthrough volumes of polycyclic aromatic hydrocarbons (PAHs). <i>Analytica Chimica Acta</i> , 1997, 346, 253-258.	5.4	15
41	Determination of Polycyclic Aromatic Hydrocarbons by HPLC with Spectrofluorimetric Detection and Wavelength Programming. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1996, 19, 477-488.	1.0	14
42	Application of Partial Least Squares Multivariate Calibration to Triphenyltin Determination in Sea-water With Excitation-Dependent Emission Matrix Fluorescence. <i>Analyst</i> , 1997, 122, 1293-1298.	3.5	14
43	Optimization of An On-Line Precolumn Preconcentration Method for the Determination of Polycyclic Aromatic Hydrocarbons (PAHs) in Water Samples (River and Sea Water). <i>Analytical Letters</i> , 1996, 29, 2201-2219.	1.8	12
44	Different strategies to assess Cu and Pb mobilization in polluted river sediments. <i>Fresenius' Journal of Analytical Chemistry</i> , 1991, 341, 631-635.	1.5	11
45	ISOT_Calc: A versatile tool for parameter estimation in sorption isotherms. <i>Computers and Geosciences</i> , 2016, 94, 11-17.	4.2	11
46	Ionic equilibria in aqueous organic solvent mixtures The equilibria of HF in an ethanol + water mixture used for cleaning up semiconductors. <i>Journal of Electroanalytical Chemistry</i> , 1997, 433, 77-83.	3.8	10
47	Fast-scanning fluorescence spectroscopy as a detection system in liquid chromatography for confirmatory analysis of flumequine and oxolinic acid. <i>Journal of Chromatography A</i> , 2002, 942, 275-281.	3.7	8
48	Chiral macrocyclic polyethers incorporating a tetraoxaspiro[5.5]undecane or trioxa-azaspiro[5.5]undecane moiety. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 4253-4265.	1.8	7
49	Study on partition equilibria of metal complexes in non-ionic micellar solutions from spectrophotometric data. <i>Talanta</i> , 2000, 52, 225-232.	5.5	7
50	Dissociation constants, neutralization enthalpies and reactions of 3-styryl-2-mercaptopropenoic and 3-(1-naphthyl)-2-mercaptopropenoic acids. <i>Talanta</i> , 1984, 31, 475-478.	5.5	6
51	Evaluation of the interactions between human serum albumin (HSA) and warfarin or diflunisal by using molecular fluorescence using two approaches. <i>ADMET and DMPK</i> , 2018, 6, 47.	2.1	5
52	Potentiometric study of complex formation equilibria of $\hat{I}\pm$ -oxoimides with copper(II) and nickel(II) and ions. <i>Talanta</i> , 1992, 39, 475-480.	5.5	3
53	A potentiometric study on complex formation of nickel(II) and zinc(II) ions with 3-(2-naphthyl)-2-mercaptopropenoic acid. <i>Polyhedron</i> , 1987, 6, 613-618.	2.2	2
54	Thermodynamic properties of the dissociation of 2-mercaptopyridine, 2-mercaptopyrimidine and 2-thiobarbituric acid. <i>Thermochimica Acta</i> , 1988, 127, 81-88.	2.7	2

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55	Spectrophotometric study of the complex formation of 3-(1-naphthyl)-2-mercapto-propenoic acid with nickel(II), palladium(II) and hydrogen ions. <i>Talanta</i> , 1989, 36, 419-423.	5.5	0
56	SPEAK, A PROCEDURE FOR NOISE REDUCTION IN MULTICHANNEL CHROMATOGRAPHIC DATA. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1999, 22, 3177-3187.	1.0	0
57	Ionic equilibria in aqueous organic solvent mixtures. Speciation of hydrofluoric acid in several ethanol/water solutions. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113318.	3.8	0