

Juan M Sánchez

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,381
citations

279778

23
h-index

345203

36
g-index

56
all docs

56
docs citations

56
times ranked

1576
citing authors

#	ARTICLE	IF	CITATIONS
1	Cav-1 Protein Levels in Serum and Infarcted Brain Correlate with Hemorrhagic Volume in a Mouse Model of Thromboembolic Stroke, Independently of rt-PA Administration. <i>Molecular Neurobiology</i> , 2022, 59, 1320-1332.	4.0	5
2	Are basic laboratory skills adequately acquired by undergraduate science students? How control quality methodologies applied to laboratory lessons may help us to find the answer. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3551-3559.	3.7	6
3	Use of Control Charts and Scientific Critical Thinking in Experimental Laboratory Courses: How They Help Students to Detect and Solve Systematic Errors. <i>Journal of Chemical Education</i> , 2021, 98, 1822-1828.	2.3	3
4	The inadequate use of the determination coefficient in analytical calibrations: How other parameters can assess the goodness of fit more adequately. <i>Journal of Separation Science</i> , 2021, 44, 4431-4441.	2.5	6
5	Evaluation of long-term rt-PA effects on bEnd.3 endothelial cells under ischemic conditions; changes in ZO-1 expression and glycosylation of the bradykinin B2 receptor. <i>Thrombosis Research</i> , 2020, 187, 1-8.	1.7	4
6	Evaluation and optimization of the derivatization reaction conditions of glyphosate and aminomethylphosphonic acid with 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate using reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , 2020, 43, 3931-3939.	2.5	6
7	Linear calibrations in chromatography: The incorrect use of ordinary least squares for determinations at low levels, and the need to redefine the limit of quantification with this regression model. <i>Journal of Separation Science</i> , 2020, 43, 2708-2717.	2.5	13
8	Air and breath analysis for the assessment of exposure to solvent emissions in university chemistry laboratories. <i>Atmospheric Pollution Research</i> , 2019, 10, 1795-1802.	3.8	1
9	2,5-Dimethylfuran as a Validated Biomarker of Smoking Status. <i>Nicotine and Tobacco Research</i> , 2019, 21, 828-834.	2.6	15
10	Low Levels of Caveolin-1 Predict Symptomatic Bleeding After Thrombolytic Therapy in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2018, 49, 1525-1527.	2.0	18
11	Biological and Psychological Factors Associated With Smoking Abstinence Six Years Post-Stroke. <i>Nicotine and Tobacco Research</i> , 2018, 20, 1182-1188.	2.6	9
12	Estimating Detection Limits in Chromatography from Calibration Data: Ordinary Least Squares Regression vs. Weighted Least Squares. <i>Separations</i> , 2018, 5, 49.	2.4	15
13	Methylxanthine Content in Commonly Consumed Foods in Spain and Determination of Its Intake during Consumption. <i>Foods</i> , 2017, 6, 109.	4.3	27
14	Ordinary Least Squares with Laboratory Calibrations: A Practical Way to Show Students that This Fitting Model may Easily Yield Biased Results When Used Indiscriminately. <i>World Journal of Analytical Chemistry</i> , 2017, 5, 1-8.	1.0	6
15	Ethyl-bridged hybrid column as an efficient alternative for HPLC analysis of plasma amino acids by pre-column derivatization with 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1029-1030, 137-144.	2.3	19
16	Breath gas concentrations mirror exposure to sevoflurane and isopropyl alcohol in hospital environments in non-occupational conditions. <i>Journal of Breath Research</i> , 2016, 10, 016001.	3.0	13
17	Assessment of the effect of UV and chlorination in the transformation of fragrances in aqueous samples. <i>Chemosphere</i> , 2015, 125, 25-32.	8.2	18
18	Monitoring of sixteen fragrance allergens and two polycyclic musks in wastewater treatment plants by solid phase microextraction coupled to gas chromatography. <i>Chemosphere</i> , 2015, 119, 363-370.	8.2	52

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19	Sorbent-packed needle microextraction trap for synthetic musks determination in wastewater samples. <i>Talanta</i> , 2015, 132, 548-556.	5.5	19
20	Effects of packing density, flow and humidity on the performance of needle trap devices. <i>Journal of Chromatography A</i> , 2014, 1369, 18-25.	3.7	18
21	Sequential discriminant classification of environments with different levels of exposure to tobacco smoke. <i>Science of the Total Environment</i> , 2014, 490, 899-904.	8.0	2
22	Analytical challenges in breath analysis and its application to exposure monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 44, 78-89.	11.4	47
23	Odour-causing compounds in air samples: Gas-liquid partition coefficients and determination using solid-phase microextraction and GC with mass spectrometric detection. <i>Journal of Separation Science</i> , 2013, 36, 1045-1053.	2.5	10
24	Development of a method for the monitoring of odor-causing compounds in atmospheres surrounding wastewater treatment plants. <i>Journal of Separation Science</i> , 2013, 36, 1621-1628.	2.5	11
25	Evaluation of matrix effects in the analysis of volatile organic compounds in whole blood with solid-phase microextraction. <i>Journal of Separation Science</i> , 2013, 36, 3776-3782.	2.5	7
26	A headspace needle-trap method for the analysis of volatile organic compounds in whole blood. <i>Journal of Chromatography A</i> , 2012, 1252, 23-30.	3.7	35
27	Simple and Fast Methods Based on Solid-Phase Extraction Coupled to Liquid Chromatography with UV Detection for the Monitoring of Caffeine in Natural, and Wastewater as Marker of Anthropogenic Impact. <i>ISRN Chromatography</i> , 2012, 2012, 1-7.	0.6	6
28	Headspace needle-trap analysis of priority volatile organic compounds from aqueous samples: Application to the analysis of natural and waste waters. <i>Journal of Chromatography A</i> , 2011, 1218, 8131-8139.	3.7	60
29	Needle microextraction trap for on-site analysis of airborne volatile compounds at ultra-trace levels in gaseous samples. <i>Journal of Separation Science</i> , 2011, 34, 2705-2711.	2.5	35
30	Odour-causing organic compounds in wastewater treatment plants: Evaluation of headspace solid-phase microextraction as a concentration technique. <i>Journal of Chromatography A</i> , 2011, 1218, 4863-4868.	3.7	27
31	Evaluation of potential breath biomarkers for active smoking: assessment of smoking habits. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2987-2995.	3.7	44
32	Sorbent-packed needle microextraction trap for benzene, toluene, ethylbenzene, and xylenes determination in aqueous samples. <i>Journal of Separation Science</i> , 2010, 33, 2833-2840.	2.5	35
33	Assessment of Environmental Tobacco Smoke Contamination in Public Premises: Significance of 2,5-Dimethylfuran as an Effective Marker. <i>Environmental Science & Technology</i> , 2010, 44, 8289-8294.	10.0	29
34	A simple and efficient method for the determination of pollutant phenols in soils with high levels of organic matter. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 293-304.	3.3	2
35	Capillary thermal desorption unit for near real-time analysis of VOCs at sub-trace levels. Application to the analysis of environmental air contamination and breath samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1472-1478.	2.3	22
36	Performance characteristics of a new prototype for a portable GC using ambient air as carrier gas for on-site analysis. <i>Journal of Separation Science</i> , 2007, 30, 1052-1060.	2.5	12

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37	Development of a Multibed Sorption Trap, Comprehensive Two-Dimensional Gas Chromatography, and Time-of-Flight Mass Spectrometry System for the Analysis of Volatile Organic Compounds in Human Breath. <i>Analytical Chemistry</i> , 2006, 78, 3046-3054.	6.5	96
38	Development of an Ion-Pairing Liquid Chromatography Method for the Determination of Phenoxyacetic Herbicides and Their Main Metabolites: Application to the Analysis of Soil Samples. <i>Chromatographia</i> , 2006, 63, 109-115.	1.3	13
39	The evaluation of different sorbents for the preconcentration of phenoxyacetic acid herbicides and their metabolites from soils. <i>Journal of Chromatography A</i> , 2005, 1099, 55-63.	3.7	24
40	On-line multi-bed sorption trap for VOC analysis of large-volume vapor samples: injection plug width, effects of water vapor and sample decomposition. <i>Journal of Separation Science</i> , 2005, 28, 22-30.	2.5	33
41	Preconcentration and determination of priority pollutant phenols in waters at trace levels using a polymeric solid-phase extraction cartridge. <i>Journal of Separation Science</i> , 2004, 27, 1524-1530.	2.5	10
42	A Comparison of the Separation Behavior of Some New Coordinating Resins and Commercial Quaternary Ammonium Resins with Reference to Their Separation of Gold(III) and Palladium(II) in Hydrochloric Acid Media. <i>Solvent Extraction and Ion Exchange</i> , 2004, 22, 285-303.	2.0	30
43	GC Analysis of Human Breath with A Series-Coupled Column Ensemble and A Multibed Sorption Trap. <i>Analytical Chemistry</i> , 2003, 75, 2231-2236.	6.5	90
44	On-Line Multibed Sorption Trap and Injector for the GC Analysis of Organic Vapors in Large-Volume Air Samples. <i>Analytical Chemistry</i> , 2003, 75, 978-985.	6.5	39
45	The speciation of rhodium(III) in hydrochloric acid media by capillary zone electrophoresis. <i>Talanta</i> , 2002, 56, 1061-1071.	5.5	33
46	Capillary Electrophoresis of Water-Soluble Vitamins: An Undergraduate Experiment. <i>The Chemical Educator</i> , 2002, 7, 23-26.	0.0	3
47	Comparison of micellar and microemulsion electrokinetic chromatography for the analysis of water- and fat-soluble vitamins. <i>Journal of Chromatography A</i> , 2002, 950, 241-247.	3.7	59
48	The selective adsorption of gold (III) and palladium (II) on new phosphine sulphide-type chelating polymers bearing different spacer arms. <i>Reactive and Functional Polymers</i> , 2001, 46, 283-291.	4.1	103
49	Synthesised phosphine sulphide-type macroporous polymers for the preconcentration and separation of gold (III) and palladium (II) in a column system. <i>Reactive and Functional Polymers</i> , 2001, 49, 215-224.	4.1	35
50	New macroporous polymers for the selective adsorption of gold (III) and palladium (II). I. The synthesis, characterization, and effect of spacers on metal adsorption. <i>Journal of Polymer Science Part A</i> , 2000, 38, 269-278.	2.3	42
51	Separation of some platinum group metal chelates with 8-hydroxyquinoline by various high-performance liquid chromatographic methods. <i>Journal of Chromatography A</i> , 2000, 871, 217-226.	3.7	23
52	THE SEPARATION OF Au(III) AND Pd(II) IN HYDROCHLORIC ACID SOLUTIONS BY STRONG ANION TYPE II EXCHANGE RESINS: THE EFFECT OF COUNTER ION CONCENTRATION AND TEMPERATURE. <i>Solvent Extraction and Ion Exchange</i> , 2000, 18, 1199-1217.	2.0	20
53	Speciation of iridium(IV) in hydrochloric acid medium by means of capillary zone electrophoresis and spectrophotometry. <i>Journal of Chromatography A</i> , 1999, 834, 329-340.	3.7	38
54	EXTRACTION OF NEODYMIUM(III) AT TRACE LEVEL WITH DI(2-ETHYL-HEXYL)PHOSPHORIC ACID IN HEXANE. <i>Solvent Extraction and Ion Exchange</i> , 1999, 17, 455-474.	2.0	33

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55	Common Mistakes in the Application of Continuous Evaluation Methodologies in Spanish Universities. , 0, , .		0