

Juan M Sanchez

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54
papers

1,152
citations

22
h-index

32
g-index

56
ext. papers

1,256
ext. citations

4.7
avg, IF

4.66
L-index

#	Paper	IF	Citations
54	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	4.6	95
53	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, 3046-54	7.8	84
52	GC analysis of human breath with a series-coupled column ensemble and a multibed sorption trap. <i>Analytical Chemistry</i> , 2003 , 75, 2231-6	7.8	78
51	Comparison of micellar and microemulsion electrokinetic chromatography for the analysis of water- and fat-soluble vitamins. <i>Journal of Chromatography A</i> , 2002 , 950, 241-7	4.5	56
50	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, 8131-45	4.5	55
49	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	8.4	41
48	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	2.5	38
47	Evaluation of potential breath biomarkers for active smoking: assessment of smoking habits. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 2987-95	4.4	36
46	Analytical challenges in breath analysis and its application to exposure monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 44, 78-89	14.6	35
45	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, 978-85	7.8	35
44	Sorbent-packed needle microextraction trap for benzene, toluene, ethylbenzene, and xylenes determination in aqueous samples. <i>Journal of Separation Science</i> , 2010 , 33, 2833-40	3.4	34
43	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, 2705-11	3.4	33
42	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	4.6	33
41	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	3.4	31
40	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	4.5	30
39	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	2.5	28
38	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	4.5	28

37	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	2.5	27
36	The speciation of rhodium(III) in hydrochloric acid media by capillary zone electrophoresis. <i>Talanta</i> , 2002 , 56, 1061-71	6.2	26
35	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, 4863-8	4.5	24
34	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, 8289-94	10.3	24
33	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, 1472-8	3.2	22
32	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, 217-26	4.5	21
31	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	2.5	20
30	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	4.5	19
29	Sorbent-packed needle microextraction trap for synthetic musks determination in wastewater samples. <i>Talanta</i> , 2015 , 132, 548-56	6.2	16
28	Methylxanthine Content in Commonly Consumed Foods in Spain and Determination of Its Intake during Consumption. <i>Foods</i> , 2017 , 6,	4.9	16
27	Effects of packing density, flow and humidity on the performance of needle trap devices. <i>Journal of Chromatography A</i> , 2014 , 1369, 18-25	4.5	15
26	Assessment of the effect of UV and chlorination in the transformation of fragrances in aqueous samples. <i>Chemosphere</i> , 2015 , 125, 25-32	8.4	15
25	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	3.2	14
24	Low Levels of Caveolin-1 Predict Symptomatic Bleeding After Thrombolytic Therapy in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2018 , 49, 1525-1527	6.7	12
23	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	3.1	11
22	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, 1052-60	3.4	11
21	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, 1045-53	3.4	10
20	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, 1524-30	3.4	10

19	Estimating Detection Limits in Chromatography from Calibration Data: Ordinary Least Squares Regression vs. Weighted Least Squares. <i>Separations</i> , 2018 , 5, 49	3.1	9
18	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, 1621-8	3.4	8
17	Biological and Psychological Factors Associated With Smoking Abstinence Six Years Post-Stroke. <i>Nicotine and Tobacco Research</i> , 2018 , 20, 1182-1188	4.9	7
16	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	2.1	7
15	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		6
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 2017 , 5, 1-8		5
13	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, 3776-82	3.4	4
12	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	3.4	4
11	Capillary Electrophoresis of Water-Soluble Vitamins: An Undergraduate Experiment. <i>The Chemical Educator</i> , 2002 , 7, 23-26		3
10	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	8.2	3
9	2,5-Dimethylfuran as a Validated Biomarker of Smoking Status. <i>Nicotine and Tobacco Research</i> , 2019 , 21, 828-834	4.9	3
8	Sequential discriminant classification of environments with different levels of exposure to tobacco smoke. <i>Science of the Total Environment</i> , 2014 , 490, 899-904	10.2	2
7	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	1.8	2
6	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	2.4	2
5	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 , 1	4.4	2
4	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	6.2	1
3	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	3.4	1
2	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	4.5	0

- 1 The inadequate use of the determination coefficient in analytical calibrations: How other parameters can assess the goodness-of-fit more adequately. *Journal of Separation Science*, **2021**, 44, 4431 3.4 ○