

# R HerrÃ¡ez-HernÃ¡ndez

## List of Publications by Year in descending order

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109  
papers

2,410  
citations

212478

28  
h-index

325983

40  
g-index

112  
all docs

112  
docs citations

112  
times ranked

1638  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of caffeine in dietary supplements by miniaturized portable liquid chromatography. <i>Journal of Chromatography A</i> , 2022, 1664, 462770.	1.8	6
2	Color study of historic silks. <i>Ge-Conservacion</i> , 2022, 21, 246-256.	0.1	0
3	Capillary Liquid Chromatography for the Determination of Terpenes in Botanical Dietary Supplements. <i>Pharmaceuticals</i> , 2021, 14, 580.	1.7	3
4	Scopolamine analysis in beverages: Bicolorimetric device vs portable nano liquid chromatography. <i>Talanta</i> , 2021, 232, 122406.	2.9	12
5	A Colorimetric Membrane-Based Sensor with Improved Selectivity towards Amphetamine. <i>Molecules</i> , 2021, 26, 6713.	1.7	2
6	Bimodal copper oxide nanoparticles doped phase for the extraction of highly polar compounds by in-tube solid-phase microextraction coupled on-line to nano-liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1617, 460819.	1.8	14
7	In-tube solid-phase microextraction. , 2020, , 387-427.		5
8	Exploring hand-portable nano-liquid chromatography for in place water analysis: Determination of trimethylxanthines as a use case. <i>Science of the Total Environment</i> , 2020, 747, 140966.	3.9	17
9	Minimizing the impact of sample preparation on analytical results: In-tube solid-phase microextraction coupled on-line to nano-liquid chromatography for the monitoring of tribenuron methyl in environmental waters. <i>Science of the Total Environment</i> , 2020, 721, 137732.	3.9	15
10	Innovations in Extractive Phases for In-Tube Solid-Phase Microextraction Coupled to Miniaturized Liquid Chromatography: A Critical Review. <i>Molecules</i> , 2020, 25, 2460.	1.7	23
11	Establishing the occurrence and profile of polycyclic aromatic hydrocarbons in marine sediments: The eastern Mediterranean coast of Spain as a case study. <i>Marine Pollution Bulletin</i> , 2019, 142, 206-215.	2.3	3
12	Stabilization of formaldehyde into polydimethylsiloxane composite: application to the in situ determination of illicit drugs. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2141-2148.	1.9	10
13	Exploring New Extractive Phases for In-Tube Solid Phase Microextraction Coupled to Miniaturized Liquid Chromatography. <i>Separations</i> , 2019, 6, 12.	1.1	11
14	Quantitative Analysis of Terpenic Compounds in Microsamples of Resins by Capillary Liquid Chromatography. <i>Molecules</i> , 2019, 24, 4068.	1.7	6
15	Modifying the reactivity of copper (II) by its encapsulation into polydimethylsiloxane: A selective sensor for ephedrine-like compounds. <i>Talanta</i> , 2019, 196, 300-308.	2.9	6
16	Cotton swabs supported in-situ assay for quaternary ammonium compounds residues in effluents and surfaces. <i>Food Control</i> , 2018, 84, 419-428.	2.8	6
17	Liquid Chromatography Instrumentation. , 2018, , 108-108.		1
18	Analysis of Contact Traces of Cannabis by In-Tube Solid-Phase Microextraction Coupled to Nanoliquid Chromatography. <i>Molecules</i> , 2018, 23, 2359.	1.7	28

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19	Colorimetric determination of alcohols in spirit drinks using a reversible solid sensor. <i>Food Control</i> , 2018, 94, 7-16.	2.8	21
20	Improving the On-Line Extraction of Polar Compounds by IT-SPME with Silica Nanoparticles Modified Phases. <i>Separations</i> , 2018, 5, 10.	1.1	15
21	A passive solid sensor for in-situ colorimetric estimation of the presence of ketamine in illicit drug samples. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 1137-1144.	4.0	24
22	A new tool for direct non-invasive evaluation of chlorophyll a content from diffuse reflectance measurements. <i>Science of the Total Environment</i> , 2017, 609, 370-376.	3.9	8
23	Trends in Online Intube Solid Phase Microextraction. <i>Comprehensive Analytical Chemistry</i> , 2017, , 427-461.	0.7	13
24	Application of Carbon Nanotubes Modified Coatings for the Determination of Amphetamines by In-Tube Solid-Phase Microextraction and Capillary Liquid Chromatography. <i>Separations</i> , 2016, 3, 7.	1.1	25
25	Determination of amphetamines in hair by integrating sample disruption, clean-up and solid phase derivatization. <i>Journal of Chromatography A</i> , 2016, 1447, 47-56.	1.8	18
26	A solid colorimetric sensor for the analysis of amphetamine-like street samples. <i>Analytica Chimica Acta</i> , 2016, 943, 123-130.	2.6	35
27	Designing solid optical sensors for in situ passive discrimination of volatile amines based on a new one-step hydrophilic PDMS preparation. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 333-342.	4.0	24
28	Multidimensional Chromatography. <i>Journal of Chromatography A</i> , 2015, , .		0
29	Evaluation of Carbon Nanotubes Functionalized Polydimethylsiloxane Based Coatings for In-Tube Solid Phase Microextraction Coupled to Capillary Liquid Chromatography. <i>Chromatography (Basel)</i> , 2015, 2, 515-528.	1.2	11
30	Recent advances of in-tube solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 71, 205-213.	5.8	121
31	Analysis of polar triazines and degradation products in waters by in-tube solid-phase microextraction and capillary chromatography: an environmentally friendly method. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1485-1497.	1.9	28
32	Selective and sensitive method based on capillary liquid chromatography with in-tube solid phase microextraction for determination of monochloramine in water. <i>Journal of Chromatography A</i> , 2015, 1388, 17-23.	1.8	20
33	Development of a polydimethylsiloxane-thymol/nitroprusside composite based sensor involving thymol derivatization for ammonium monitoring in water samples. <i>Science of the Total Environment</i> , 2015, 503-504, 105-112.	3.9	17
34	Rapid analysis of effluents generated by the dairy industry for fat determination by preconcentration in nylon membranes and attenuated total reflectance infrared spectroscopy measurement. <i>Talanta</i> , 2014, 119, 11-16.	2.9	6
35	On-line in-tube solid phase microextraction-capillary liquid chromatography method for monitoring degradation products of di-(2-ethylhexyl) phthalate in waters. <i>Journal of Chromatography A</i> , 2014, 1347, 157-160.	1.8	21
36	A cost-effective method for estimating di(2-ethylhexyl)phthalate in coastal sediments. <i>Journal of Chromatography A</i> , 2014, 1324, 57-62.	1.8	20

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37	Study of the influence of temperature and precipitations on the levels of BTEX in natural waters. <i>Journal of Hazardous Materials</i> , 2013, 263, 131-138.	6.5	20
38	More about sampling and estimation of mercaptans in air samples. <i>Talanta</i> , 2013, 106, 127-132.	2.9	3
39	A miniaturized method for estimating di(2-ethylhexyl) phthalate in bivalves as bioindicators. <i>Journal of Chromatography A</i> , 2012, 1260, 169-173.	1.8	24
40	Cleaning sorbents used in matrix solid-phase dispersion with sonication: Application to the estimation of polycyclic aromatic hydrocarbons at ng/g levels in marine sediments. <i>Journal of Chromatography A</i> , 2012, 1263, 43-50.	1.8	12
41	Advantages of monolithic over particulate columns for multiresidue analysis of organic pollutants by in-tube solid-phase microextraction coupled to capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 6256-6262.	1.8	35
42	In-tube solid-phase microextraction coupled by in valve mode to capillary LC-DAD: Improving detectability to multiresidue organic pollutants analysis in several whole waters. <i>Journal of Chromatography A</i> , 2010, 1217, 2695-2702.	1.8	46
43	Improving analysis of apolar organic compounds by the use of a capillary titania-based column: Application to the direct determination of faecal sterols cholesterol and coprostanol in wastewater samples. <i>Journal of Chromatography A</i> , 2010, 1217, 4682-4687.	1.8	13
44	On-line determination of aliphatic amines in water using in-tube solid-phase microextraction-assisted derivatisation in in-valve mode for processing large sample volumes in LC. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 557-565.	1.9	28
45	New micromethod combining miniaturized matrix solid-phase dispersion and in-tube in-valve solid-phase microextraction for estimating polycyclic aromatic hydrocarbons in bivalves. <i>Journal of Chromatography A</i> , 2008, 1211, 13-21.	1.8	54
46	In-tube solid-phase microextraction-capillary liquid chromatography as a solution for the screening analysis of organophosphorus pesticides in untreated environmental water samples. <i>Journal of Chromatography A</i> , 2007, 1141, 10-21.	1.8	44
47	A microanalytical method for ammonium and short-chain primary aliphatic amines using precolumn derivatization and capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1164, 329-333.	1.8	14
48	Comparative study of the determination of trimethylamine in water and air by combining liquid chromatography and solid-phase microextraction with on-fiber derivatization. <i>Talanta</i> , 2006, 69, 716-723.	2.9	34
49	Influence of the presence of surfactants and humic acid in waters on the indophenol-type reaction method for ammonium determination. <i>Talanta</i> , 2006, 69, 1038-1045.	2.9	15
50	An evaluation of solid phase microextraction for aliphatic amines using derivatization with 9-fluorenylmethyl chloroformate and liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1104, 40-46.	1.8	58
51	On-fibre solid-phase microextraction coupled to conventional liquid chromatography versus in-tube solid-phase microextraction coupled to capillary liquid chromatography for the screening analysis of triazines in water samples. <i>Journal of Chromatography A</i> , 2006, 1125, 159-171.	1.8	47
52	Application of solid-phase microextraction combined with derivatization to the enantiomeric determination of amphetamines. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 40, 1209-1217.	1.4	38
53	Improved detection limit for ammonium/ammonia achieved by Berthelot's reaction by use of solid-phase extraction coupled to diffuse reflectance spectroscopy. <i>Analytica Chimica Acta</i> , 2005, 534, 327-334.	2.6	53
54	Collaborative study of an liquid chromatographic method for the determination of R-timolol and other related substances in S-timolol maleate. <i>Analytica Chimica Acta</i> , 2005, 546, 182-192.	2.6	17

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55	A new selective method for dimethylamine in water analysis by liquid chromatography using solid-phase microextraction and two-stage derivatization with <i>o</i> -phthalaldehyde and 9-fluorenylmethyl chloroformate. <i>Talanta</i> , 2005, 66, 1139-1145.	2.9	35
56	Enantioselective Analysis of Amphetamine-Related Designer Drugs in Body Fluids Using Liquid Chromatography and Solid-Phase Derivatization. <i>Chromatographia</i> , 2004, 60, 537-544.	0.7	6
57	Liquid chromatographic determination of trimethylamine in water. <i>Journal of Chromatography A</i> , 2004, 1023, 27-31.	1.8	27
58	Selective determination of trimethylamine in air by liquid chromatography using solid phase extraction cartridges for sampling. <i>Journal of Chromatography A</i> , 2004, 1042, 219-223.	1.8	17
59	A method for the determination of dimethylamine in air by collection on solid support sorbent with subsequent derivatization and spectrophotometric analysis. <i>Journal of Chromatography A</i> , 2004, 1059, 17-24.	1.8	17
60	Application of solid-phase microextraction combined with derivatization to the determination of amphetamines by liquid chromatography. <i>Analytical Biochemistry</i> , 2004, 333, 328-335.	1.1	51
61	Analysis of methylamine by solid-phase microextraction and HPLC after on-fibre derivatization with 9-fluorenylmethyl chloroformate. <i>Analytica Chimica Acta</i> , 2004, 513, 425-433.	2.6	28
62	Separation of the enantiomers of primary and secondary amphetamines by liquid chromatography after derivatization with ( <i>â</i> <sup>∞</sup> )-1-(9-fluorenyl)ethyl chloroformate. <i>Chromatographia</i> , 2003, 57, 309-316.	0.7	9
63	Strategies for the enantiomeric determination of amphetamine and related compounds by liquid chromatography. <i>Journal of Proteomics</i> , 2002, 54, 147-167.	2.4	32
64	Liquid chromatographic determination of aliphatic amines in water using solid support assisted derivatization with 9-fluorenylmethyl chloroformate. <i>Chromatographia</i> , 2002, 55, 129-134.	0.7	33
65	Enantiomeric separation of amphetamine and related compounds by liquid chromatography using precolumn derivatization with <i>o</i> -phthalaldehyde. <i>Chromatographia</i> , 2002, 56, 559-565.	0.7	6
66	Determination of aliphatic amines in water by liquid chromatography using solid-phase extraction cartridges for preconcentration and derivatization. <i>Analyst, The</i> , 2001, 126, 1683-1688.	1.7	28
67	Sensitive determination of methylenedioxyated amphetamines by liquid chromatography. <i>Analyst, The</i> , 2001, 126, 581-586.	1.7	26
68	Chiral separation of ephedrines by liquid chromatography using $\beta$ -cyclodextrins. <i>Analytica Chimica Acta</i> , 2001, 434, 315-324.	2.6	36
69	Analysis of enantiomers giving partially overlapped peaks by using different treatments of the chromatographic ultraviolet signals: quantification of pseudoephedrine enantiomers. <i>Journal of Chromatography A</i> , 2001, 930, 95-107.	1.8	10
70	COMPARATIVE STUDY OF C18- AND STYRENE-DIVINYLBENZENE-BASED SORBENTS FOR THE ENRICHMENT OF PHENOLS FROM WATER. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2001, 24, 1295-1308.	0.5	0
71	Derivatization of ephedrine with <i>o</i> -phthalaldehyde for liquid chromatography after treatment with sodium hypochlorite. <i>Journal of Chromatography A</i> , 2000, 893, 69-80.	1.8	23
72	Chromatographic separation of chlorthalidone enantiomers using $\beta$ -cyclodextrins as chiral additives. <i>Biomedical Applications</i> , 2000, 740, 169-177.	1.7	40

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73	Derivatization techniques for automated chromatographic analysis of amphetamine using phthalaldehyde: A comparative study. <i>Chromatographia</i> , 2000, 52, 169-174.	0.7	4
74	CHROMATOGRAPHY: LIQUID   Multidimensional Chromatography. , 2000, , 738-747.		0
75	Derivatization of tertiary amphetamines with 9-fluorenylmethyl chloroformate for liquid chromatography: determination of N-methylephedrine. <i>Analyst, The</i> , 2000, 125, 1071-1076.	1.7	14
76	H-Point Curve Isolation Method for Coupled Liquid Chromatography and UV-Visible Spectrophotometry. <i>Analytical Chemistry</i> , 2000, 72, 2559-2565.	3.2	20
77	Generalised H-point standard addition method for the isolation of the analyte signal from the sample signal when coelution of unknown compounds occurs in liquid chromatography. <i>Journal of Chromatography A</i> , 1999, 852, 361-374.	1.8	3
78	Automated high-performance liquid chromatographic determination of amphetamine in biological fluids using column-switching and on-column derivatization. <i>Chromatographia</i> , 1999, 49, 188-196.	0.7	8
79	Automated trace enrichment for screening and/or determination of primary, secondary and tertiary amphetamines in biological samples by liquid chromatography. <i>Analyst, The</i> , 1999, 124, 239-244.	1.7	17
80	Chiral determination of amphetamine and related compounds using chloroformates for derivatization and high-performance liquid chromatography. <i>Analyst, The</i> , 1998, 123, 2131-2137.	1.7	29
81	Automated determination of amphetamine enantiomers using a two-dimensional column-switching chromatographic system for derivatization and separation. <i>Analyst, The</i> , 1998, 123, 319-324.	1.7	23
82	Improved Solid Phase Extraction Procedure for Assay of Cephalosporins in Human Urine Samples. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1998, 21, 2191-2203.	0.5	15
83	Analysis of Diuretics in Urine by Column-Switching Chromatography and Fluorescence Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1997, 20, 1867-1885.	0.5	19
84	Liquid Chromatographic Analysis of Amphetamine and Related Compounds in Urine Using Solid-Phase Extraction and 3,5-Dinitrobenzoyl Chloride for Derivatization. <i>Journal of Chromatographic Science</i> , 1997, 35, 169-175.	0.7	32
85	Derivatization of amines in solid-phase extraction supports with 9-fluorenylmethyl chloroformate for liquid chromatography. <i>Analytica Chimica Acta</i> , 1997, 344, 125-136.	2.6	28
86	On-Line Derivatization into Precolumns for the Determination of Drugs by Liquid Chromatography and Column Switching: A Determination of Amphetamines in Urine. <i>Analytical Chemistry</i> , 1996, 68, 734-739.	3.2	65
87	Automated on-line dialysis for sample preparation for gas chromatography: determination of benzodiazepines in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1996, 14, 1077-1087.	1.4	24
88	Determination of amphetamine and related compounds in urine using on-line derivatization in octadecyl silica columns with 9-fluorenylmethyl chloroformate and liquid chromatography. <i>Biomedical Applications</i> , 1996, 679, 69-78.	1.7	34
89	Application of Column Switching in High Performance Liquid Chromatographic Analysis of Chlorthalidone Enantiomers in Untreated Urine. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1996, 19, 403-414.	0.5	4
90	Improved amphetamine and methamphetamine determination in urine by normal-phase high-performance liquid chromatography with sodium 1,2-naphthoquinone 4-sulphonate as derivatizing agent and solid-phase extraction for sample clean-up. <i>Biomedical Applications</i> , 1995, 663, 235-245.	1.7	29

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91	Determination of the total concentration of highly protein-bound drugs in plasma by on-line dialysis and column liquid chromatography: application to non-steroidal anti-inflammatory drugs. <i>Biomedical Applications</i> , 1995, 666, 127-137.	1.7	29
92	Application of column-switching techniques to the determination of medium polarity drugs: determination of acetazolamide in urine. <i>Biomedical Applications</i> , 1994, 654, 85-90.	1.7	13
93	High-performance liquid chromatographic determination of spironolactone and its major metabolite canrenone in urine using ultraviolet detection and column-switching. <i>Biomedical Applications</i> , 1994, 658, 303-310.	1.7	12
94	Determination of triamterene in urine by HPLC using fluorescence detection and column-switching. <i>Chromatographia</i> , 1994, 38, 29-34.	0.7	11
95	Column-switching techniques for screening of diuretics and probenecid in urine samples. <i>Analytical Chemistry</i> , 1994, 66, 244-248.	3.2	46
96	On-line trace enrichment for the determination of ethacrynic acid in urine by liquid chromatography and column-switching. <i>Analytica Chimica Acta</i> , 1993, 284, 67-71.	2.6	2
97	Column-switching techniques for high-performance liquid chromatography of drugs in biological samples. <i>Biomedical Applications</i> , 1993, 619, 177-190.	1.7	97
98	Improved detection limits for screening of diuretics by coupled liquid chromatography and ultraviolet-visible spectrophotometry. <i>Biomedical Applications</i> , 1993, 612, 245-251.	1.7	24
99	Sensitive determination of probenecid in urine samples by reversed-phase liquid chromatography and UV-visible detection using solid-phase extraction techniques for sample clean-up. <i>Chromatographia</i> , 1993, 35, 317-320.	0.7	6
100	Simple and Sensitive Reversed-Phase Liquid Chromatographic Assay for Analysis of Chlorthalidone in Urine. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1993, 16, 2571-2581.	0.9	3
101	Improved Screening Procedure for Diuretics. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1992, 15, 2205-2224.	0.9	12
102	Estimation of diuretic drugs in biological fluids by HPLC. <i>Chromatographia</i> , 1992, 33, 177-185.	0.7	20
103	Determination of acetazolamide in human urine samples by reversed-phase high-performance liquid chromatography in the presence of xanthines. <i>Biomedical Applications</i> , 1992, 582, 181-187.	1.7	16
104	Sensitive determination of ethacrynic acid in urine samples by reversed-phase liquid chromatography with ultraviolet detection using solid-phase extraction techniques for sample clean-up. <i>Analytica Chimica Acta</i> , 1992, 270, 39-44.	2.6	7
105	Development of the H-point standard additions method for coupled liquid chromatography and UV-visible spectrophotometry. <i>Analytica Chimica Acta</i> , 1992, 257, 89-98.	2.6	34
106	Determination of theophylline and paraxanthine in urine samples by liquid chromatography using the H-point standard additions method. <i>Analytica Chimica Acta</i> , 1992, 268, 73-80.	2.6	10
107	Development of the H-point standard-additions method for ultraviolet-visible spectroscopic kinetic analysis of two-component systems. <i>Analytical Chemistry</i> , 1991, 63, 2424-2429.	3.2	76
108	Evaluation and Elimination of the Interference Effects of Three Cephalosporins on the Kinetic-Spectrophotometric Determination of Creatinine in Serum Using the Jaffe Reaction. <i>Analytical Letters</i> , 1991, 24, 1741-1766.	1.0	5

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109	Solid-Phase Extraction Techniques for Assay of Diuretics in Human Urine Samples. Journal of Liquid Chromatography and Related Technologies, 1991, 14, 3575-3590.	0.9	39