

German Augusto GÃ³mez-RÃ­os

List of Publications by Year in descending order

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48
all docs

48
docs citations

48
times ranked

1832
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Solid Phase Microextraction and Perspective on Future Directions. Analytical Chemistry, 2018, 90, 302-360.	3.2	534
2	A critical review of the state of the art of solid-phase microextraction of complex matrices III. Bioanalytical and clinical applications. TrAC - Trends in Analytical Chemistry, 2015, 71, 249-264.	5.8	203
3	Development of Coated Blade Spray Ionization Mass Spectrometry for the Quantitation of Target Analytes Present in Complex Matrices. Angewandte Chemie - International Edition, 2014, 53, 14503-14507.	7.2	201
4	SPME â€œ Quo vadis?. Analytica Chimica Acta, 2012, 750, 132-151.	2.6	163
5	Biocompatible Solid-Phase Microextraction Nanoelectrospray Ionization: An Unexploited Tool in Bioanalysis. Analytical Chemistry, 2016, 88, 1259-1265.	3.2	117
6	Solid phase microextraction (SPME)-transmission mode (TM) pushes down detection limits in direct analysis in real time (DART). Chemical Communications, 2014, 50, 12937-12940.	2.2	113
7	Ultrafast Screening and Quantitation of Pesticides in Food and Environmental Matrices by Solid-Phase Microextractionâ€”Transmission Mode (SPME-TM) and Direct Analysis in Real Time (DART). Analytical Chemistry, 2017, 89, 7240-7248.	3.2	111
8	Fast Quantitation of Target Analytes in Small Volumes of Complex Samples by Matrixâ€”Compatible Solidâ€”Phase Microextraction Devices. Angewandte Chemie - International Edition, 2016, 55, 7510-7514.	7.2	96
9	Open Port Probe Sampling Interface for the Direct Coupling of Biocompatible Solid-Phase Microextraction to Atmospheric Pressure Ionization Mass Spectrometry. Analytical Chemistry, 2017, 89, 3805-3809.	3.2	88
10	Solid Phase Microextraction-mass spectrometry: Metanoia. TrAC - Trends in Analytical Chemistry, 2019, 112, 201-211.	5.8	76
11	High-Throughput Screening and Quantitation of Target Compounds in Biofluids by Coated Blade Spray-Mass Spectrometry. Analytical Chemistry, 2017, 89, 8421-8428.	3.2	73
12	Quantitative analysis of biofluid spots by coated blade spray mass spectrometry, a new approach to rapid screening. Scientific Reports, 2017, 7, 16104.	1.6	73
13	Towards on-site analysis of complex matrices by solid-phase microextraction-transmission mode coupled to a portable mass spectrometer via direct analysis in real time. Analyst, The, 2017, 142, 2928-2935.	1.7	67
14	Single-Use Poly(etheretherketone) Solid-Phase Microextractionâ€”Transmission Mode Devices for Rapid Screening and Quantitation of Drugs of Abuse in Oral Fluid and Urine via Direct Analysis in Real-Time Tandem Mass Spectrometry. Analytical Chemistry, 2018, 90, 952-960.	3.2	58
15	Hunting Molecules in Complex Matrices with SPME Arrows: A Review. Separations, 2020, 7, 12.	1.1	56
16	Development of a Microfluidic Open Interface with Flow Isolated Desorption Volume for the Direct Coupling of SPME Devices to Mass Spectrometry. Analytical Chemistry, 2018, 90, 2631-2638.	3.2	50
17	Rapid determination of immunosuppressive drug concentrations in whole blood by coated blade spray-tandem mass spectrometry (CBS-MS/MS). Analytica Chimica Acta, 2018, 999, 69-75.	2.6	49
18	Low invasive in vivo tissue sampling for monitoring biomarkers and drugs during surgery. Laboratory Investigation, 2014, 94, 586-594.	1.7	47

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19	In Vivo Brain Sampling Using a Microextraction Probe Reveals Metabolic Changes in Rodents after Deep Brain Stimulation. <i>Analytical Chemistry</i> , 2019, 91, 9875-9884.	3.2	47
20	Solid phase microextraction fills the gap in tissue sampling protocols. <i>Analytica Chimica Acta</i> , 2013, 803, 75-81.	2.6	46
21	Fast quantitation of opioid isomers in human plasma by differential mobility spectrometry/mass spectrometry via SPME/open-port probe sampling interface. <i>Analytica Chimica Acta</i> , 2017, 991, 89-94.	2.6	46
22	Breaching the 10 Second Barrier of Total Analysis Time for Complex Matrices via Automated Coated Blade Spray. <i>Analytical Chemistry</i> , 2019, 91, 13039-13046.	3.2	43
23	Coated blade spray: shifting the paradigm of direct sample introduction to MS. <i>Bioanalysis</i> , 2018, 10, 257-271.	0.6	41
24	Deposition of a Sorbent into a Recession on a Solid Support To Provide a New, Mechanically Robust Solid-Phase Microextraction Device. <i>Analytical Chemistry</i> , 2017, 89, 8021-8026.	3.2	40
25	Optimization of Coated Blade Spray for Rapid Screening and Quantitation of 105 Veterinary Drugs in Biological Tissue Samples. <i>Analytical Chemistry</i> , 2020, 92, 5937-5943.	3.2	40
26	Ultra-fast quantitation of voriconazole in human plasma by coated blade spray mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 144, 106-111.	1.4	37
27	Direct coupling of solid phase microextraction with electrospray ionization mass spectrometry: A Case study for detection of ketamine in urine. <i>Analytica Chimica Acta</i> , 2019, 1075, 112-119.	2.6	37
28	Coupling needle trap devices with gas chromatography-ion mobility spectrometry detection as a simple approach for on-site quantitative analysis. <i>Journal of Chromatography A</i> , 2013, 1300, 193-198.	1.8	35
29	Development of Needle Trap Technology for On-Site Determinations: Active and Passive Sampling. <i>Analytical Chemistry</i> , 2014, 86, 5889-5897.	3.2	35
30	Solid Phase Microextraction On-Fiber Derivatization Using a Stable, Portable, and Reusable Pentafluorophenyl Hydrazine Standard Gas Generating Vial. <i>Analytical Chemistry</i> , 2016, 88, 6859-6866.	3.2	33
31	Rapid determination of tacrolimus and sirolimus in whole human blood by direct coupling of solid-phase microextraction to mass spectrometry via microfluidic open interface. <i>Analytica Chimica Acta</i> , 2021, 1144, 53-60.	2.6	33
32	Rapid and Concomitant Analysis of Pharmaceuticals in Treated Wastewater by Coated Blade Spray Mass Spectrometry. <i>Environmental Science & Technology</i> , 2017, 51, 12566-12572.	4.6	31
33	High-throughput analysis using non-depletive SPME: challenges and applications to the determination of free and total concentrations in small sample volumes. <i>Scientific Reports</i> , 2018, 8, 1167.	1.6	31
34	Solid phase microextraction coupled to mass spectrometry via a microfluidic open interface for rapid therapeutic drug monitoring. <i>Analyst</i> , 2019, 144, 3721-3728.	1.7	28
35	Evaluation of a coated blade spray-tandem mass spectrometry assay as a new tool for the determination of immunosuppressive drugs in whole blood. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5067-5076.	1.9	24
36	Comprehensive Investigation of Metabolic Changes Occurring in the Rat Brain Hippocampus after Fluoxetine Administration Using Two Complementary In Vivo Techniques: Solid Phase Microextraction and Microdialysis. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3749-3760.	1.7	24

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37	High-throughput quantification of drugs of abuse in biofluids via solid-phase microextraction transmission mode and direct analysis in real time mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1423-1433.	0.7	23
38	Space-Resolved Tissue Analysis by Solid-Phase Microextraction Coupled to High-Resolution Mass Spectrometry via Desorption Electrospray Ionization. <i>Analytical Chemistry</i> , 2019, 91, 10141-10148.	3.2	22
39	Analysis of endocannabinoids in plasma samples by biocompatible solid-phase microextraction devices coupled to mass spectrometry. <i>Analytica Chimica Acta</i> , 2019, 1091, 135-145.	2.6	22
40	Investigation of Early Death-Induced Changes in Rat Brain by Solid Phase Microextraction via Untargeted High Resolution Mass Spectrometry: <i>In Vivo</i> versus Postmortem Comparative Study. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1827-1840.	1.7	19
41	Assessment of solid phase microextraction as a sample preparation tool for untargeted analysis of brain tissue using liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1638, 461862.	1.8	18
42	Evaluation of a multi-fiber exchange solid-phase microextraction system and its application to on-site sampling. <i>Journal of Separation Science</i> , 2015, 38, 3560-3567.	1.3	17
43	Development of a standard gas generating vial comprised of a silicon oil polystyrene/divinylbenzene composite sorbent. <i>Journal of Chromatography A</i> , 2015, 1410, 1-8.	1.8	17
44	Development of a new in-vial standard gas system for calibrating solid-phase microextraction in high-throughput and on-site applications. <i>Journal of Separation Science</i> , 2013, 36, 2939-2945.	1.3	15
45	Fast Quantitation of Target Analytes in Small Volumes of Complex Samples by Matrix-Compatible Solid-Phase Microextraction Devices. <i>Angewandte Chemie</i> , 2016, 128, 7636-7640.	1.6	11
46	Analysis of food samples made easy by microextraction technologies directly coupled to mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4665.	0.7	7