

# Nathaly Reyes-García

## List of Publications by Year in descending order

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35  
papers

2,351  
citations

279701

23  
h-index

360920

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Solid Phase Microextraction and Perspective on Future Directions. <i>Analytical Chemistry</i> , 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. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 71, 249-264.	5.8	203
3	SPME "Quo vadis?". <i>Analytica Chimica Acta</i> , 2012, 750, 132-151.	2.6	163
4	Solid-phase microextraction in metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 61, 168-180.	5.8	127
5	Biocompatible Solid-Phase Microextraction Nanoelectrospray Ionization: An Unexploited Tool in Bioanalysis. <i>Analytical Chemistry</i> , 2016, 88, 1259-1265.	3.2	117
6	Fast Quantitation of Target Analytes in Small Volumes of Complex Samples by Matrix-Compatible Solid-Phase Microextraction Devices. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7510-7514.	7.2	96
7	Open Port Probe Sampling Interface for the Direct Coupling of Biocompatible Solid-Phase Microextraction to Atmospheric Pressure Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 3805-3809.	3.2	88
8	Recent developments and applications of solid phase microextraction as a sample preparation approach for mass-spectrometry-based metabolomics and lipidomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 172-181.	5.8	80
9	High throughput quantification of prohibited substances in plasma using thin film solid phase microextraction. <i>Journal of Chromatography A</i> , 2014, 1374, 40-49.	1.8	77
10	Solid Phase Microextraction Devices Prepared on Plastic Support as Potential Single-Use Samplers for Bioanalytical Applications. <i>Analytical Chemistry</i> , 2015, 87, 9722-9730.	3.2	73
11	High-Throughput Screening and Quantitation of Target Compounds in Biofluids by Coated Blade Spray-Mass Spectrometry. <i>Analytical Chemistry</i> , 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. <i>Scientific Reports</i> , 2017, 7, 16104.	1.6	73
13	Tranexamic Acid Dosing for Cardiac Surgical Patients With Chronic Renal Dysfunction: A New Dosing Regimen. <i>Anesthesia and Analgesia</i> , 2018, 127, 1323-1332.	1.1	56
14	In Vivo Solid-Phase Microextraction for Sampling of Oxylipins in Brain of Awake, Moving Rats. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2392-2398.	7.2	56
15	Rapid determination of immunosuppressive drug concentrations in whole blood by coated blade spray-tandem mass spectrometry (CBS-MS/MS). <i>Analytica Chimica Acta</i> , 2018, 999, 69-75.	2.6	49
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Rapid and Concomitant Analysis of Pharmaceuticals in Treated Wastewater by Coated Blade Spray Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2017, 51, 12566-12572.	4.6	31
22	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
23	Solid phase microextraction coupled to mass spectrometry via a microfluidic open interface for rapid therapeutic drug monitoring. <i>Analyst, The</i> , 2019, 144, 3721-3728.	1.7	28
24	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
25	The effect of hematocrit on solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2018, 1001, 40-50.	2.6	20
26	Investigation of Early Death-Induced Changes in Rat Brain by Solid Phase Microextraction via Untargeted High Resolution Mass Spectrometry: In Vivo versus Postmortem Comparative Study. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1827-1840.	1.7	19
27	Serum metabolic fingerprinting of psoriasis and psoriatic arthritis patients using solid-phase microextraction–liquid chromatography–high-resolution mass spectrometry. <i>Metabolomics</i> , 2021, 17, 59.	1.4	19
28	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
29	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
30	Systematic Evaluation of Different Coating Chemistries Used in Thin-Film Microextraction. <i>Molecules</i> , 2020, 25, 3448.	1.7	16
31	Development of a new 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
32	Therapeutic drug monitoring of tranexamic acid in plasma and urine of renally impaired patients using solid phase microextraction. <i>Talanta</i> , 2021, 225, 121945.	2.9	13
33	Analysis of the California list of pesticides, mycotoxins, and cannabinoids in chocolate using liquid chromatography and low-pressure gas chromatography-based platforms. <i>Journal of Separation Science</i> , 2021, 44, 2564-2576.	1.3	12
34	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
35	In Vivo Solid-Phase Microextraction for Sampling of Oxylipins in Brain of Awake, Moving Rats. <i>Angewandte Chemie</i> , 2020, 132, 2413-2419.	1.6	2