

# InÃs C. Santos

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

979  
citations

516710

16  
h-index

454955

30  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultraviolet Photodissociation Mass Spectrometry for Analysis of Biological Molecules. <i>Chemical Reviews</i> , 2020, 120, 3328-3380.	47.7	151
2	Applications of MALDI-TOF MS in environmental microbiology. <i>Analyst, The</i> , 2016, 141, 2827-2837.	3.5	96
3	A review of the analytical methods used for beer ingredient and finished product analysis and quality control. <i>Analytica Chimica Acta</i> , 2019, 1085, 1-20.	5.4	84
4	Ion Activation Methods for Peptides and Proteins. <i>Analytical Chemistry</i> , 2020, 92, 227-251.	6.5	69
5	Recent advances and applications of gas chromatography vacuum ultraviolet spectroscopy. <i>Journal of Separation Science</i> , 2017, 40, 138-151.	2.5	67
6	NaCl-saturated brines are thermodynamically moderate, rather than extreme, microbial habitats. <i>FEMS Microbiology Reviews</i> , 2018, 42, 672-693.	8.6	54
7	Treatment modalities for the reuse of produced waste from oil and gas development. <i>Science of the Total Environment</i> , 2018, 643, 107-118.	8.0	43
8	Analysis of bacterial FAMES using gas chromatography – vacuum ultraviolet spectroscopy for the identification and discrimination of bacteria. <i>Talanta</i> , 2018, 182, 536-543.	5.5	40
9	Recent developments in the characterization of nucleic acids by liquid chromatography, capillary electrophoresis, ion mobility, and mass spectrometry (2010–2020). <i>Journal of Separation Science</i> , 2021, 44, 340-372.	2.5	32
10	Micro solid phase spectrophotometry in a sequential injection lab-on-valve platform for cadmium, zinc, and copper determination in freshwaters. <i>Analytica Chimica Acta</i> , 2015, 891, 171-178.	5.4	30
11	Characterizing variable biogeochemical changes during the treatment of produced oilfield waste. <i>Science of the Total Environment</i> , 2018, 634, 1519-1529.	8.0	27
12	Exploring the links between groundwater quality and bacterial communities near oil and gas extraction activities. <i>Science of the Total Environment</i> , 2018, 618, 165-173.	8.0	23
13	Structural basis for assembly of non-canonical small subunits into type I-C Cascade. <i>Nature Communications</i> , 2020, 11, 5931.	12.8	23
14	A Review of Analytical Methods for Characterizing the Potential Environmental Impacts of Unconventional Oil and Gas Development. <i>Analytical Chemistry</i> , 2019, 91, 689-703.	6.5	22
15	Rapid Profiling and Authentication of Vanilla Extracts Using Gas Chromatography-Vacuum Ultraviolet Spectroscopy. <i>Food Analytical Methods</i> , 2017, 10, 4068-4078.	2.6	17
16	Characterization of bacterial diversity in contaminated groundwater using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Science of the Total Environment</i> , 2018, 622-623, 1562-1571.	8.0	17
17	MALDI-TOF MS for the Identification of Cultivable Organic-Degrading Bacteria in Contaminated Groundwater near Unconventional Natural Gas Extraction Sites. <i>Microorganisms</i> , 2017, 5, 47.	3.6	15
18	Analysis of bacteria stress responses to contaminants derived from shale energy extraction. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 269-278.	3.5	14

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19	Large-volume injection gas chromatography-vacuum ultraviolet spectroscopy for the qualitative and quantitative analysis of fatty acids in blood plasma. <i>Analytica Chimica Acta</i> , 2019, 1053, 169-177.	5.4	14
20	Screening of cadmium and lead in potentially contaminated waters using a spectrophotometric sequential injection lab-on-valve methodology. <i>Talanta</i> , 2015, 143, 359-365.	5.5	13
21	Paired-ion electrospray ionization triple quadrupole tandem mass spectrometry for quantification of anionic surfactants in waters. <i>Talanta</i> , 2015, 143, 320-327.	5.5	12
22	Analytical Methods for the Comprehensive Characterization of Produced Water. <i>Separation Science and Technology</i> , 2019, 11, 199-217.	0.2	12
23	Iodine speciation in coastal and inland bathing waters and seaweeds extracts using a sequential injection standard addition flow-batch method. <i>Talanta</i> , 2015, 133, 7-14.	5.5	11
24	Development of flow injection potentiometric methods for the off-line and on-line determination of fluoride to monitor the biodegradation of a monofluorophenol in two bioreactors. <i>Talanta</i> , 2011, 84, 1291-1297.	5.5	10
25	Sequential injection methodology for carbon speciation in bathing waters. <i>Analytica Chimica Acta</i> , 2013, 778, 38-47.	5.4	10
26	Influence of Primary Structure on Fragmentation of Native-Like Proteins by Ultraviolet Photodissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2860-2873.	2.8	10
27	Ultraviolet Photodissociation and Activated Electron Photodetachment Mass Spectrometry for Top-Down Sequencing of Modified Oligoribonucleotides. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 510-520.	2.8	9
28	Sequential injection system exploring the standard addition method for phosphate determination in high salinity samples: interstitial, transitional and coastal waters. <i>Analytical Methods</i> , 2012, 4, 1452.	2.7	8
29	Structural Characterization of Carbonic Anhydrase Arylsulfonamide Complexes Using Ultraviolet Photodissociation Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1370-1379.	2.8	7
30	Use of solid phase extraction for the sequential injection determination of alkaline phosphatase activity in dynamic water systems. <i>Talanta</i> , 2012, 98, 203-210.	5.5	6
31	Seasonal monitoring of inland bathing waters using a sequential injection method as a fast and effective tool for nutrient quantification (N and P). <i>Analytical Methods</i> , 2016, 8, 1973-1980.	2.7	6
32	Application of Mid- and Near-Infrared Spectroscopy for the Control and Chemical Evaluation of Brine Solutions and Traditional Sea Salts. <i>Food Analytical Methods</i> , 2013, 6, 470-480.	2.6	5
33	Flow-Injection Spectrophotometric Determination of Bromate in Bottled Drinking Water Samples Using Chlorpromazine Reagent and a Liquid Waveguide Capillary Cell. <i>Analytical Sciences</i> , 2013, 29, 563-570.	1.6	5
34	Mass Spectrometry for the Study of Microbial Communities in Environmental Waters. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2017, 1, 353-380.	0.5	3
35	Attitudes, Perceptions, and Geospatial Analysis of Water Quality and Individual Health Status in a High-Fracking Region. <i>Water (Switzerland)</i> , 2019, 11, 1633.	2.7	3
36	Pull-Down of Metalloproteins in Their Native States by Using Desthiobiotin-Based Probes. <i>ChemBioChem</i> , 2019, 20, 1003-1007.	2.6	3

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37	Membrane-based Separation in Flow Analysis for Environmental and Food Applications. Separation and Purification Reviews, 2020, 49, 37-54.	5.5	3
38	Development of a Turbidimetric Sequential Injection System to Monitor the Codfish Desalting Process. Food Analytical Methods, 2012, 5, 287-295.	2.6	2
39	Determination of Noncovalent Binding Using a Continuous Stirred Tank Reactor as a Flow Injection Device Coupled to Electrospray Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2015, 26, 1204-1212.	2.8	2
40	Development of a low pressure chromatographic flow system for monitoring the biodegradation of ofloxacin and ciprofloxacin. Analytical Methods, 2016, 8, 5457-5465.	2.7	1
41	Convolutional neural network for preprocessing free bacterial Spectra identification. Journal of Chemometrics, 2020, 34, e3304.	1.3	0
42	Detecting Harmful Pathogens In Water: Characterizing The Link Between Fracking And Water Safety. , 2018, , .		0
43	Authentication Of Vanilla Extracts Using Gas Chromatography " Vacuum Ultraviolet Spectroscopy. , 2018, , .		0