

Raquel Gonzalez de Vega

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

568
citations

567281

15
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

554
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry Imaging in Biology. <i>Chemical Reviews</i> , 2021, 121, 11769-11822.	47.7	60
2	Dietary zinc and the control of <i>Streptococcus pneumoniae</i> infection. <i>PLoS Pathogens</i> , 2019, 15, e1007957.	4.7	49
3	Selenium levels and Glutathione peroxidase activity in the plasma of patients with type II diabetes mellitus. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 37, 44-49.	3.0	43
4	MMP-11 as a biomarker for metastatic breast cancer by immunohistochemical-assisted imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 639-646.	3.7	39
5	Quantitative bioimaging of Ca, Fe, Cu and Zn in breast cancer tissues by LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 671-677.	3.0	35
6	Protective effect of selenium supplementation following oxidative stress mediated by glucose on retinal pigment epithelium. <i>Metallomics</i> , 2018, 10, 83-92.	2.4	34
7	Characterisation of microplastics and unicellular algae in seawater by targeting carbon via single particle and single cell ICP-MS. <i>Analytica Chimica Acta</i> , 2021, 1174, 338737.	5.4	30
8	Multimodal laser ablation/desorption imaging analysis of Zn and MMP-11 in breast tissues. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 913-922.	3.7	28
9	Simultaneous targeted and non-targeted analysis of per- and polyfluoroalkyl substances in environmental samples by liquid chromatography-ion mobility-quadrupole time of flight-mass spectrometry and mass defect analysis. <i>Journal of Chromatography A</i> , 2021, 1653, 462423.	3.7	28
10	Low background mould-prepared gelatine standards for reproducible quantification in elemental bio-imaging. <i>Analyst</i> , 2019, 144, 6881-6888.	3.5	27
11	An interactive Python-based data processing platform for single particle and single cell ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2536-2544.	3.0	24
12	Characterising the spatial and temporal brain metal profile in a mouse model of tauopathy. <i>Metallomics</i> , 2020, 12, 301-313.	2.4	23
13	Characterization of Upconversion Nanoparticles by Single-Particle ICP-MS Employing a Quadrupole Mass Filter with Increased Bandpass. <i>Analytical Chemistry</i> , 2020, 92, 15007-15016.	6.5	23
14	Determination of gadolinium MRI contrast agents in fresh and oceanic waters of Australia employing micro-solid phase extraction, HILIC-ICP-MS and bandpass mass filtering. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 767-775.	3.0	23
15	Quantitative speciation of volatile sulphur compounds from human cadavers by GC-ICP-MS. <i>Talanta</i> , 2021, 221, 121424.	5.5	16
16	Analysis of Ti- and Pb-based particles in the aqueous environment of Melbourne (Australia) via single-particle ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5671-5681.	3.7	15
17	Matching sensitivity to abundance: high resolution immuno-mass spectrometry imaging of lanthanide labels and endogenous elements in the murine brain. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 728-735.	3.0	14
18	On-line reverse isotope dilution analysis for spatial quantification of elemental labels used in immunohistochemical assisted imaging mass spectrometry via LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 407-412.	3.0	13

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19	SEC-ICP-MS and on-line isotope dilution analysis for characterisation and quantification of immunochemical assays. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3553-3560.	3.7	13
20	Quantitative selenium speciation by HPLC-ICP-MS(IDA) and simultaneous activity measurements in human vitreous humor. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2405-2413.	3.7	9
21	Micronutrient content drives elementome variability amongst the Symbiodiniaceae. <i>BMC Plant Biology</i> , 2022, 22, 184.	3.6	9
22	Separation of intact proteins by capillary electrophoresis. <i>Analyst, The</i> , 2022, 147, 2988-2996.	3.5	8
23	Species-specific elementomes for scleractinian coral hosts and their associated Symbiodiniaceae. <i>Coral Reefs</i> , 2022, 41, 1115-1130.	2.2	5