

# Maria Aranzazu Goicolea

## List of Publications by Citations

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25  
papers

447  
citations

13  
h-index

21  
g-index

27  
ext. papers

515  
ext. citations

4.2  
avg, IF

3.34  
L-index

#	Paper	IF	Citations
25	Direct potentiometric quantification of histamine using solid-phase imprinted nanoparticles as recognition elements. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 58, 138-44	11.8	80
24	Characterization of organic gunshot residues in lead-free ammunition using a new sample collection device for liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Forensic Science International</i> , <b>2015</b> , 246, 79-85	2.6	40
23	Using a portable device based on a screen-printed sensor modified with a molecularly imprinted polymer for the determination of the insecticide fenitrothion in forest samples. <i>Analytical Methods</i> , <b>2010</b> , 2, 1280	3.2	37
22	A novel strategy for Cr(III) and Cr(VI) analysis in dietary supplements by speciated isotope dilution mass spectrometry. <i>Talanta</i> , <b>2016</b> , 154, 255-62	6.2	31
21	LC-QTOF-MS-based targeted metabolomics of arginine-creatine metabolic pathway-related compounds in plasma: application to identify potential biomarkers in pediatric chronic kidney disease. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 747-60	4.4	24
20	Iniferter-mediated grafting of molecularly imprinted polymers on porous silica beads for the enantiomeric resolution of drugs. <i>Journal of Molecular Recognition</i> , <b>2016</b> , 29, 106-14	2.6	23
19	Multimembrane carbon fiber microelectrodes for amperometric determination of serotonin in human urine. <i>Analyst, The</i> , <b>2001</b> , 126, 495-500	5	23
18	Molecularly imprinted nanoparticles grafted to porous silica as chiral selectors in liquid chromatography. <i>Journal of Chromatography A</i> , <b>2017</b> , 1508, 53-64	4.5	22
17	Development of matrix-matching hydroxyapatite calibration standards for quantitative multi-element LA-ICP-MS analysis: application to the dorsal spine of fish. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2011</b> , 26, 1421	3.7	22
16	Solid phase microextraction coupled to liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of organotin compounds in water samples. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2009</b> , 24, 347-351	3.7	21
15	Liquid chromatography-quadrupole time of flight tandem mass spectrometry-based targeted metabolomic study for varietal discrimination of grapes according to plant sterols content. <i>Journal of Chromatography A</i> , <b>2016</b> , 1454, 67-77	4.5	21
14	Water compatible stir-bar devices imprinted with underivatized glyphosate for selective sample clean-up. <i>Journal of Chromatography A</i> , <b>2016</b> , 1451, 23-32	4.5	19
13	Molecularly imprinted polymers as a tool for the study of the 4-ethylphenol metabolic pathway in red wines. <i>Journal of Chromatography A</i> , <b>2015</b> , 1410, 164-72	4.5	18
12	Determination of mercury(II) in water at sub-nanomolar levels by laser ablation-ICPMS analysis of screen printed electrodes used as a portable voltammetric preconcentration system. <i>Analyst, The</i> , <b>2017</b> , 142, 1157-1164	5	11
11	Fungicide distribution in vitiviniculture ecosystems according to different application strategies to reduce environmental impact. <i>Science of the Total Environment</i> , <b>2019</b> , 687, 319-329	10.2	10
10	Evaluation of the bioaccumulation of trace elements in tuna species by correlation analysis between their concentrations in muscle and first dorsal spine using microwave-assisted digestion and ICP-MS. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2012</b> , 92, 1761-1775	1.8	9
9	Metabolomics in non-arteritic anterior ischemic optic neuropathy patients by liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Metabolomics</i> , <b>2015</b> , 11, 468-476	4.7	8

8	Characterization of ancient lipids in prehistoric organic residues: Chemical evidence of livestock-pens in rock-shelters since early neolithic to bronze age. <i>Journal of Separation Science</i> , <b>2017</b> , 40, 4549-4562	3.4	7
7	Particle Analysis for the Detection of Gunshot Residue (GSR) in Nasal Samples Using Scanning Laser Ablation and Inductively Coupled Plasma-Mass Spectrometry (SLA-ICPMS). <i>Journal of Forensic Sciences</i> , <b>2020</b> , 65, 1094-1101	1.8	7
6	Determination of methylarginines in human plasma by HPLC with pre-column derivatization using naphthalenedicarboxaldehyde as fluorogenic agent. <i>Journal of Separation Science</i> , <b>2002</b> , 25, 665-670	3.4	6
5	Persistence of Diflubenzuron on Conifer Forest Foliage in a Mediterranean-Climate Ecosystem Following Aerial Application. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2003</b> , 83, 433-442	1.8	3
4	Plastic Receptors Developed by Imprinting Technology as Smart Polymers Imitating Natural Behavior <b>2021</b> , 69-116		2
3	Multisorbent tubes sampling used in thermal desorption cold trap injection with gas chromatography-mass spectrometry for C <sub>20</sub> hydrocarbon measurements in an urban atmosphere. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2004</b> , 84, 341-353	1.8	1
2	Solid-phase synthesis of imprinted nanoparticles as artificial antibodies against the C-terminus of the cannabinoid CB1 receptor: exploring a viable alternative for bioanalysis. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 368	5.8	1
1	Fit-for-purpose based testing and validation of antibodies to amino- and carboxy-terminal domains of cannabinoid receptor 1. <i>Histochemistry and Cell Biology</i> , <b>2021</b> , 156, 479-502	2.4	1