

# Vanesa Romero

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,304  
citations

361296

20  
h-index

345118

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1660  
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent organic framework as adsorbent for ultrasound-assisted dispersive (micro)solid phase extraction of polycyclic synthetic fragrances from seawater followed by fluorescent determination. <i>Analytica Chimica Acta</i> , 2022, 1191, 339293.	2.6	20
2	Ultrasound-assisted dispersive micro-solid phase extraction of Pb(II) in water samples with in situ synthesis of magnetic Fe <sub>3</sub> O <sub>4</sub> -PbS nanocomposites followed by electrothermal atomic absorption spectrometry determination. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, 188, 106349.	1.5	13
3	QUALITATIVE ANALYTICAL CHEMISTRY IN A CRIME SCENE: A MEANS OF INCREASING STUDENTS' INTEREST. <i>EDULEARN Proceedings</i> , 2022, , .	0.0	0
4	Nanomaterial-Integrated Cellulose Platforms for Optical Sensing of Trace Metals and Anionic Species in the Environment. <i>Sensors</i> , 2021, 21, 604.	2.1	12
5	Graphene-based nanocomposites in analytical extraction processes. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 142, 116303.	5.8	24
6	Study on the efficiency of a covalent organic framework as adsorbent for the screening of pharmaceuticals in estuary waters. <i>Chemosphere</i> , 2021, 278, 130364.	4.2	9
7	Paper-Based Analytical Devices for Colorimetric and Luminescent Detection of Mercury in Waters: An Overview. <i>Sensors</i> , 2021, 21, 7571.	2.1	13
8	Covalent Organic Framework Composites: Synthesis and Analytical Applications. <i>Molecules</i> , 2020, 25, 5404.	1.7	38
9	Efficient adsorption of endocrine-disrupting pesticides from water with a reusable magnetic covalent organic framework. <i>Microporous and Mesoporous Materials</i> , 2020, 307, 110523.	2.2	51
10	Nanoparticle-assisted stabilization of metal species as an alternative to conventional approaches for avoiding volatilization errors in total reflection X-ray fluorescence: A review. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 168, 105843.	1.5	4
11	Frontispiece: Tailoring Covalent Organic Frameworks To Capture Water Contaminants. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	1
12	Recyclable magnetic covalent organic framework for the extraction of marine biotoxins. <i>Nanoscale</i> , 2019, 11, 6072-6079.	2.8	57
13	Tailoring Covalent Organic Frameworks To Capture Water Contaminants. <i>Chemistry - A European Journal</i> , 2019, 25, 6461-6473.	1.7	62
14	Turn-on fluorescent sensor for the detection of periodate anion following photochemical synthesis of nitrogen and sulphur co-doped carbon dots from vegetables. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 290-297.	4.0	43
15	In situ ultrasound-assisted preparation of Fe <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell nanoparticles integrated with ion co-precipitation for multielemental analysis by total reflection X-ray fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 131, 40-47.	1.5	17
16	Simultaneous ultrasound-assisted iodide oxidation and liquid-liquid microextraction for rapid quality control of iodized salts by UV-vis micro-spectrophotometry. <i>Microchemical Journal</i> , 2017, 133, 577-582.	2.3	5
17	Speciation of inorganic As and Sb in natural waters by total reflection X-ray fluorescence following selective hydride generation and trapping onto quartz reflectors coated with nanostructured Pd. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1705-1712.	1.6	7
18	Natural deep eutectic solvents in combination with ultrasonic energy as a green approach for solubilisation of proteins: application to gluten determination by immunoassay. <i>Talanta</i> , 2017, 162, 453-459.	2.9	82

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19	Headspace thin-film microextraction onto graphene membranes for specific detection of methyl(cyclopentadienyl)-tricarbonyl manganese in water samples by total reflection X-ray fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 126, 65-70.	1.5	9
20	Graphene membranes as novel preconcentration platforms for chromium speciation by total reflection X-ray fluorescence. <i>RSC Advances</i> , 2016, 6, 669-676.	1.7	19
21	Ultrasensitive determination of mercury in waters via photochemical vapor deposition onto quartz substrates coated with palladium nanoparticles followed by total reflection X-ray fluorescence analysis. <i>Mikrochimica Acta</i> , 2016, 183, 141-148.	2.5	11
22	Luminescent assays based on carbon dots for inorganic trace analysis. <i>Reviews in Analytical Chemistry</i> , 2015, 34, .	1.5	5
23	Room temperature trapping of stibine and bismuthine onto quartz substrates coated with nanostructured palladium for total reflection X-ray fluorescence analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 107, 125-131.	1.5	13
24	Nanoparticle-enhanced liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 68, 78-87.	5.8	50
25	In situ photochemical synthesis of fluorescent carbon dots for optical sensing of hydrogen peroxide and antioxidants. <i>Talanta</i> , 2015, 144, 1308-1315.	2.9	23
26	Facile preparation of an immobilized surfactant-free palladium nanocatalyst for metal hydride trapping: a novel sensing platform for TXRF analysis. <i>Nanoscale</i> , 2015, 7, 1994-2002.	2.8	14
27	In situ growth of Fe <sub>3</sub> O <sub>4</sub> nanoparticles for dispersive magnetic micro-solid phase extraction of cadmium followed by ETAAS detection. <i>Analytical Methods</i> , 2015, 7, 1154-1160.	1.3	18
28	An overview of recent advances in the application of quantum dots as luminescent probes to inorganic-trace analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 57, 64-72.	5.8	65
29	Silver nanoparticle-assisted preconcentration of selenium and mercury on quartz reflectors for total reflection X-ray fluorescence analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 696.	1.6	18
30	In Situ Building of a Nanoprobe Based on Fluorescent Carbon Dots for Methylmercury Detection. <i>Analytical Chemistry</i> , 2014, 86, 4536-4543.	3.2	132
31	Greener derivatization in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 61, 1-10.	5.8	58
32	Sample pretreatment strategies for total reflection X-ray fluorescence analysis: A tutorial review. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 90, 23-54.	1.5	107
33	Solid-state chemiluminescence assay for ultrasensitive detection of antimony using on-vial immobilization of CdSe quantum dots combined with liquid-liquid microextraction. <i>Analytica Chimica Acta</i> , 2013, 788, 114-121.	2.6	19
34	In situ ultrasound-assisted synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles with simultaneous ion co-precipitation for multielemental analysis of natural waters by total reflection X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 923.	1.6	24
35	Green chemistry in analytical atomic spectrometry: a review. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1831.	1.6	74
36	Quantum Dots Confined in an Organic Drop as Luminescent Probes for Detection of Selenium by Microfluorespectrometry after Hydridation: Study of the Quenching Mechanism and Analytical Performance. <i>Analytical Chemistry</i> , 2012, 84, 4452-4459.	3.2	41

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37	Quantum Dot-Based Headspace Single-Drop Microextraction Technique for Optical Sensing of Volatile Species. <i>Analytical Chemistry</i> , 2011, 83, 2388-2393.	3.2	46
38	Ion pair-based liquid-phase microextraction combined with cuvetteless UV-Vis micro-spectrophotometry as a miniaturized assay for monitoring ammonia in waters. <i>Talanta</i> , 2011, 85, 1448-1452.	2.9	12
39	Advances in miniaturized UV-Vis spectrometric systems. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1637-1648.	5.8	55
40	Cold vapor-solid phase microextraction using amalgamation in different Pd-based substrates combined with direct thermal desorption in a modified absorption cell for the determination of Hg by atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 156-162.	1.5	33