Lorena Vidal

List of Publications by Year
in descending order

48 papers	2,903 citations	147801 31 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	3433 citing authors

#	Article	IF	Citations
1	Vitamin E determination in edible oils by reversed-phase dispersive liquid-liquid microextraction and screen-printed carbon electrodes. Advances in Sample Preparation, 2022, 1, 100005.	3.0	2
2	Application of magnetic nanomaterials in forensic chemistry. , 2021, , 191-210.		0
3	Reversed-phase dispersive liquidâ€“liquid microextraction for elemental analysis of gasoline by inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2021, 36, 2338-2345.	3.0	4
4	Magnetic dispersive solid-phase extraction using a zeolite-based composite for direct electrochemical determination of lead(II) in urine using screen-printed electrodes. Mikrochimica Acta, 2020, 187, 87.	5.0	17
5	Determination of four bisphenols in water and urine samples by magnetic dispersive solidâ€phase extraction using a modified zeolite/iron oxide composite prior to liquid chromatography diode array detection. Journal of Separation Science, 2020, 43, 1808-1816.	2.5	23
6	Magnetic dispersive solid-phase extraction using ZSM-5 zeolite/Fe2O3 composite coupled with screen-printed electrodes based electrochemical detector for determination of cadmium in urine samples. Talanta, 2020, 220, 121394.	5.5	17
7	A modified zeolite/iron oxide composite as a sorbent for magnetic dispersive solid-phase extraction for the preconcentration of nonsteroidal anti-inflammatory drugs in water and urine samples. Journal of Chromatography A, 2019, 1603, 33-43.	3.7	49
8	Zeolites and zeolite-based materials in extraction and microextraction techniques. Analyst, The, 2019, 144, 366-387.	3.5	48
9	Metal applications of liquid-phase microextraction. TrAC - Trends in Analytical Chemistry, 2019, 112, 241-247.	11.4	47
10	Portable electrochemical sensor based on 4-aminobenzoic acid-functionalized herringbone carbon nanotubes for the determination of ascorbic acid and uric acid in human fluids. Biosensors and Bioelectronics, 2018, 109, 123-131.	10.1	71
11	A modified ZSM-5 zeolite/Fe₂O₃ composite as a sorbent for magnetic dispersive solid-phase microextraction of cadmium, mercury and lead from urine samples prior to inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2018, 33, 856-866.	3.0	37
12	Rapid determination of hydrophilic phenols in olive oil by vortex-assisted reversed-phase dispersive liquid-liquid microextraction and screen-printed carbon electrodes. Talanta, 2018, 181, 44-51.	5.5	24
13	Hydrophilic magnetic ionic liquid for magnetic headspace single-drop microextraction of chlorobenzenes prior to thermal desorption-gas chromatography-mass spectrometry. Analytical and Bioanalytical Chemistry, 2018, 410, 4679-4687.	3.7	40
14	Determination of siloxanes in water samples employing graphene oxide/Fe₃O₄ nanocomposite as sorbent for magnetic solidâ€phase extraction prior to GCâ€“MS. Journal of Separation Science, 2018, 41, 4177-4184.	2.5	15
15	Evaluation of herringbone carbon nanotubes-modified electrodes for the simultaneous determination of ascorbic acid and uric acid. Electrochimica Acta, 2018, 285, 284-291.	5.2	41
16	Au-IDA microelectrodes modified with Au-doped graphene oxide for the simultaneous determination of uric acid and ascorbic acid in urine samples. Electrochimica Acta, 2017, 227, 275-284.	5.2	53
17	A stretchable and screen-printed electrochemical sensor for glucose determination in human perspiration. Biosensors and Bioelectronics, 2017, 91, 885-891.	10.1	274
18	Graphene oxide/Fe3O4 as sorbent for magnetic solid-phase extraction coupled with liquid chromatography to determine 2,4,6-trinitrotoluene in water samples. Analytical and Bioanalytical Chemistry, 2017, 409, 2665-2674.	3.7	41

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19	Magnetic headspace adsorptive extraction of chlorobenzenes prior to thermal desorption gas chromatography-mass spectrometry. Analytica Chimica Acta, 2017, 971, 40-47.	5.4	21
20	Complexation-mediated electromembrane extraction of highly polar basic drugsâ€”a fundamental study with catecholamines in urine as model system. Analytical and Bioanalytical Chemistry, 2017, 409, 4215-4223.	3.7	19
21	Flavin mononucleotide-exfoliated graphene flakes as electrodes for the electrochemical determination of uric acid in the presence of ascorbic acid. Journal of Electroanalytical Chemistry, 2016, 783, 41-48.	3.8	16
22	Zeolite/iron oxide composite as sorbent for magnetic solid-phase extraction of benzene, toluene, ethylbenzene and xylenes from water samples prior to gas chromatographyâ¬œmass spectrometry. Journal of Chromatography A, 2016, 1458, 18-24.	3.7	49
23	Tungsten coil atomic emission spectrometry combined with dispersive liquidâ€“liquid microextraction: A synergistic association for chromium determination in water samples. Talanta, 2016, 148, 602-608.	5.5	27
24	Mercury determination in urine samples by gold nanostructured screen-printed carbon electrodes after vortex-assisted ionic liquid dispersive liquidâ€“liquid microextraction. Analytica Chimica Acta, 2016, 915, 49-55.	5.4	57
25	Microwave-Assisted Extraction of Phenolic Compounds from Almond Skin Byproducts (<i>Prunus) Tj ETQq1 1 0.784314 rgBT /Overlock 63, 5395-5402.	5.2	76
26	Screen-printed electrode based electrochemical detector coupled with ionic liquid dispersive liquidâ€“liquid microextraction and microvolume back-extraction for determination of mercury in water samples. Talanta, 2015, 135, 34-40.	5.5	38
27	Liquid-Phase Extraction and Microextraction. , 2014, , 107-152.		3
28	Screen-printed electrode-based electrochemical detector coupled with in-situ ionic-liquid-assisted dispersive liquidâ€“liquid microextraction for determination of 2,4,6-trinitrotoluene. Analytical and Bioanalytical Chemistry, 2014, 406, 2197-2204.	3.7	31
29	Determination of cyclic and linear siloxanes in wastewater samples by ultrasound-assisted dispersive liquidâ€“liquid microextraction followed by gas chromatographyâ€“mass spectrometry. Talanta, 2014, 120, 191-197.	5.5	50
30	4 Liquid-phase Microextraction Techniques. , 2014, , 191-252.		2
31	Quaternary ammonium-functionalized silica sorbents for the solid-phase extraction of aromatic amines under normal phase conditions. Journal of Chromatography A, 2013, 1285, 7-14.	3.7	20
32	Ionic liquid-modified materials for solid-phase extraction and separation: A review. Analytica Chimica Acta, 2012, 715, 19-41.	5.4	321
33	Ionic liquid-functionalized silica for selective solid-phase extraction of organic acids, amines and aldehydes. Journal of Chromatography A, 2012, 1226, 2-10.	3.7	70
34	Determination of nitroaromatic explosives in water samples by direct ultrasound-assisted dispersive liquidâ€“liquid microextraction followed by gas chromatographyâ€“mass spectrometry. Talanta, 2011, 85, 2546-2552.	5.5	56
35	Removal of Silver and Lead Ions from Water Wastes Using Azolla filiculoides, an Aquatic Plant, Which Adsorbs and Reduces the Ions into the Corresponding Metallic Nanoparticles Under Microwave Radiation in 5Âmin. Water, Air, and Soil Pollution, 2011, 218, 365-370.	2.4	12
36	Determination of geosmin and 2-methylisoborneol in water and wine samples by ultrasound-assisted dispersive liquidâ€“liquid microextraction coupled to gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2011, 1218, 17-22.	3.7	78

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37	Ionic liquid-based single-drop microextraction followed by liquid chromatography-ultraviolet spectrophotometry detection to determine typical UV filters in surface water samples. Talanta, 2010, 81, 549-555.	5.5	138
38	Simple and commercial readily-available approach for the direct use of ionic liquid-based single-drop microextraction prior to gas chromatography. Journal of Chromatography A, 2009, 1216, 1290-1295.	3.7	112
39	A simultaneous, direct microwave/ultrasound-assisted digestion procedure for the determination of total Kjeldahl nitrogen. Ultrasonics Sonochemistry, 2009, 16, 564-569.	8.2	57
40	Trivalent manganese as an environmentally friendly oxidizing reagent for microwave- and ultrasound-assisted chemical oxygen demand determination. Ultrasonics Sonochemistry, 2009, 16, 686-691.	8.2	27
41	Determination of organochlorine pesticides in complex matrices by single-drop microextraction coupled to gas chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2009, 638, 29-35.	5.4	81
42	Determination of organochlorine pesticides in water samples by dispersive liquidâ€“liquid microextraction coupled to gas chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2009, 649, 218-221.	5.4	97
43	Speciation of mercury by ionic liquid-based single-drop microextraction combined with high-performance liquid chromatography-photodiode array detection. Talanta, 2009, 78, 537-541.	5.5	140
44	Chemically surface-modified carbon nanoparticle carrier for phenolic pollutants: Extraction and electrochemical determination of benzophenone-3 and triclosan. Analytica Chimica Acta, 2008, 616, 28-35.	5.4	64
45	Sensitive determination of free benzophenone-3 in human urine samples based on an ionic liquid as extractant phase in single-drop microextraction prior to liquid chromatography analysis. Journal of Chromatography A, 2007, 1174, 95-103.	3.7	125
46	An ionic liquid as a solvent for headspace single drop microextraction of chlorobenzenes from water samples. Analytica Chimica Acta, 2007, 584, 189-195.	5.4	161
47	Microwave-assisted headspace single-drop microextration of chlorobenzenes from water samples. Analytica Chimica Acta, 2007, 592, 9-15.	5.4	58
48	Headspace single-drop microextraction for the analysis of chlorobenzenes in water samples. Journal of Chromatography A, 2005, 1089, 25-30.	3.7	93