

MarÃ-a Teresa Tena

List of Publications by Year in descending order

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75
papers

2,617
citations

136950

32
h-index

206112

48
g-index

75
all docs

75
docs citations

75
times ranked

2501
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercritical fluid extraction of phenol compounds from olive leaves. <i>Talanta</i> , 1998, 46, 1123-1130.	5.5	129
2	Determination of benzene, toluene, ethylbenzene and xylenes in soils by multiple headspace solid-phase microextraction. <i>Journal of Chromatography A</i> , 2004, 1035, 17-22.	3.7	118
3	Supercritical Fluid Extraction of Natural Antioxidants from Rosemary: A Comparison with Liquid Solvent Sonication. <i>Analytical Chemistry</i> , 1997, 69, 521-526.	6.5	116
4	Multiple headspace solid-phase microextraction for the quantitative determination of volatile organic compounds in multilayer packagings. <i>Journal of Chromatography A</i> , 2003, 999, 155-164.	3.7	106
5	Pressurized liquid extraction with in-cell clean-up followed by gas chromatography-tandem mass spectrometry for the selective determination of parabens and triclosan in indoor dust. <i>Journal of Chromatography A</i> , 2007, 1161, 105-112.	3.7	103
6	Determination of phthalates in wine by headspace solid-phase microextraction followed by gas chromatography-mass spectrometry: Fibre comparison and selection. <i>Journal of Chromatography A</i> , 2007, 1164, 248-261.	3.7	87
7	Determination of trans-resveratrol and other polyphenols in wines by a continuous flow sample clean-up system followed by capillary electrophoresis separation. <i>Analytica Chimica Acta</i> , 1998, 359, 27-38.	5.4	82
8	Determination of odour-causing volatile organic compounds in cork stoppers by multiple headspace solid-phase microextraction. <i>Journal of Chromatography A</i> , 2005, 1068, 201-208.	3.7	65
9	Multiple solid-phase microextraction: Theory and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 206-214.	11.4	65
10	Photocatalytic degradation of ibuprofen in water using TiO ₂ /UV and g-C ₃ N ₄ /visible light: Study of intermediate degradation products by liquid chromatography coupled to high-resolution mass spectrometry. <i>Chemosphere</i> , 2019, 215, 605-618.	8.2	65
11	Determination of phthalates in wine by headspace solid-phase microextraction followed by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1181, 125-130.	3.7	64
12	Strategies for supercritical fluid extraction of polar and ionic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 1996, 15, 32-37.	11.4	62
13	Determination of volatile oak compounds in wine by headspace solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1102, 25-36.	3.7	62
14	Determination of bisphenol-type endocrine disrupting compounds in food-contact recycled-paper materials by focused ultrasonic solid-liquid extraction and ultra performance liquid chromatography-high resolution mass spectrometry. <i>Talanta</i> , 2012, 99, 167-174.	5.5	61
15	Development of a headspace solid-phase microextraction-gas chromatography-mass spectrometry method for the identification of odour-causing volatile compounds in packaging materials. <i>Journal of Chromatography A</i> , 2002, 963, 381-392.	3.7	59
16	Direct quantitation of volatile organic compounds in packaging materials by headspace solid-phase microextraction-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 985, 247-257.	3.7	48
17	Determination of perfluorocompounds in popcorn packaging by pressurised liquid extraction and ultra-performance liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2012, 101, 104-109.	5.5	45
18	Fibre selection based on an overall analytical feature comparison for the solid-phase microextraction of trihalomethanes from drinking water. <i>Journal of Chromatography A</i> , 2007, 1139, 27-35.	3.7	43

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19	Development and validation of a capillary zone electrophoresis method for the quantitative determination of anthocyanins in wine. <i>Journal of Chromatography A</i> , 2003, 990, 247-258.	3.7	42
20	Analysis of French and American oak chips with different toasting degrees by headspace solid-phase microextraction-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1173, 10-17.	3.7	41
21	Determination of plastic additives in packaging by liquid chromatography coupled to high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1414, 77-87.	3.7	41
22	Experimental design approach for the optimisation of pressurised fluid extraction of additives from polyethylene films. <i>Journal of Chromatography A</i> , 2005, 1099, 75-83.	3.7	39
23	Analysis of aged red wine pigments by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2004, 1052, 191-197.	3.7	38
24	On-line pervaporation separation process for the potentiometric determination of fluoride in "dirty" samples. <i>Analytica Chimica Acta</i> , 1995, 308, 246-252.	5.4	37
25	Evaluation of multiple solid-phase microextraction as a technique to remove the matrix effect in packaging analysis for determination of volatile organic compounds. <i>Journal of Chromatography A</i> , 2003, 1020, 189-197.	3.7	37
26	Study of intermediate by-products and mechanism of the photocatalytic degradation of ciprofloxacin in water using graphitized carbon nitride nanosheets. <i>Chemosphere</i> , 2020, 247, 125910.	8.2	37
27	Capillary electrophoretic separation of phenolic diterpenes from rosemary. <i>Journal of Chromatography A</i> , 2002, 953, 251-256.	3.7	36
28	Supercritical fluid extraction of carbamate pesticides from soils and cereals. <i>Chromatographia</i> , 1996, 42, 206-212.	1.3	35
29	Determination of volatile oak compounds in aged wines by multiple headspace solid-phase microextraction and gas chromatography-mass spectrometry (MHS-SPME-GC-MS). <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 937-943.	3.7	34
30	Determination of volatile compounds in antioxidant rosemary extracts by multiple headspace solid-phase microextraction and gas chromatography. <i>Flavour and Fragrance Journal</i> , 2006, 21, 626-633.	2.6	34
31	Determination of perfluorinated alkyl acids in corn, popcorn and popcorn bags before and after cooking by focused ultrasound solid-liquid extraction, liquid chromatography and quadrupole-time of flight mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1355, 211-218.	3.7	34
32	Systematic study of the influence of modifiers on the CO ₂ -supercritical extraction of PAHs in soil. <i>Chromatographia</i> , 1994, 38, 431-435.	1.3	32
33	Focused ultrasound solid-liquid extraction and selective pressurised liquid extraction to determine bisphenol A and alkylphenols in sewage sludge by gas chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2011, 34, 2513-2522.	2.5	32
34	The photocatalytic degradation of sodium diclofenac in different water matrices using g-C ₃ N ₄ nanosheets: A study of the intermediate by-products and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105827.	6.7	32
35	Ion-pair-supercritical fluid extraction of clenbuterol from food samples. <i>Journal of Chromatography A</i> , 1995, 711, 269-276.	3.7	30
36	Determination of ethylphenols in wine by in situ derivatisation and headspace solid-phase microextraction-gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 2547-2558.	3.7	30

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37	Development and validation of a solid-phase microextraction method for the analysis of volatile organic compounds in groundwater samples. <i>Chromatographia</i> , 2003, 57, 369-378.	1.3	26
38	Improved supercritical fluid extraction of sulphonamides. <i>Chromatographia</i> , 1995, 40, 197-203.	1.3	24
39	Flow injection-assisted optical sensor for determination of iron(II) and iron(III) in natural water. <i>Analytica Chimica Acta</i> , 1997, 343, 191-197.	5.4	24
40	Determination of oleamide and erucamide in polyethylene films by pressurised fluid extraction and gas chromatography. <i>Journal of Chromatography A</i> , 2006, 1124, 51-56.	3.7	24
41	Determination of 2,4,6-trichloroanisole and guaiacol in cork stoppers by pressurised fluid extraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1102, 18-24.	3.7	24
42	Determination of cinnamaldehyde, carvacrol and thymol in feedstuff additives by pressurized liquid extraction followed by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1487, 14-21.	3.7	24
43	Use of microextraction by packed sorbents following selective pressurised liquid extraction for the determination of brominated diphenyl ethers in sewage sludge by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1364, 28-35.	3.7	23
44	Analytical viewpoint. Preliminary operations: a pending goal of today's Analytical Chemistry. <i>Analytical Proceedings</i> , 1993, 30, 276-279.	0.4	22
45	Flow-through photometric sensor for determination of sulfonamides. <i>Analyst</i> , 1994, 119, 1625-1628.	3.5	22
46	Hyphenated flow injection systems and high discrimination instruments. <i>Talanta</i> , 1995, 42, 151-169.	5.5	22
47	Fast determination of perfluorocompounds in packaging by focused ultrasound solid-liquid extraction and liquid chromatography coupled to quadrupole-time of flight mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1302, 88-94.	3.7	22
48	Headspace solid-phase microextraction gas chromatography-mass spectrometry method for the identification of cosmetic ingredients causing delamination of packagings. <i>Journal of Chromatography A</i> , 2006, 1101, 32-37.	3.7	21
49	On line coupling of a liquid-liquid extraction flow-reversal system to a spectrophotometric flow-through sensor for the determination of polyphenols in olive oil. <i>Analytica Chimica Acta</i> , 1996, 323, 55-62.	5.4	20
50	Determination of UV filters in packaging by focused ultrasonic solid-liquid extraction and liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 3392-3399.	3.7	20
51	Automatic determination of fat in milk by use of a flow injection system with a piezoelectric detector. <i>Analytica Chimica Acta</i> , 2000, 406, 309-315.	5.4	18
52	Determination of brominated diphenyl ethers (from mono- to hexa- congeners) in indoor dust by pressurised liquid extraction with in-cell clean-up and gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 257-267.	3.7	18
53	Migration order of wine anthocyanins in capillary zone electrophoresis. <i>Analytica Chimica Acta</i> , 2004, 524, 207-213.	5.4	17
54	Microwave-assisted oxidation of phosphite-type antioxidant additives in polyethylene film extracts. <i>Journal of Chromatography A</i> , 2007, 1175, 154-161.	3.7	16

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55	Development and validation of chromatographic methods (HPLC and GC) for the determination of the active components (benzocaine, tyrothricin and menthol) of a pharmaceutical preparation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 1297-1303.	2.8	15
56	Supercritical fluid extraction of organophosphorus pesticides from orange samples: Effect of solid additives on recovery. <i>Chromatographia</i> , 1997, 46, 524-528.	1.3	14
57	Comparison of three gas chromatography methods for the determination of slip agents in polyethylene films. <i>Journal of Chromatography A</i> , 2007, 1150, 178-182.	3.7	14
58	Headspace solid-phase microextraction-gas chromatography-mass spectrometry applied to quality control in multilayer-packaging manufacture. <i>Journal of Chromatography A</i> , 2003, 1008, 123-128.	3.7	13
59	Study of multilayer packaging delamination mechanisms using different surface analysis techniques. <i>Applied Surface Science</i> , 2010, 256, 3799-3805.	6.1	13
60	Focused ultrasound solid-liquid extraction of perfluorinated compounds from sewage sludge. <i>Talanta</i> , 2013, 109, 197-202.	5.5	13
61	Determination of caffeoylquinic acids in feed and related products by focused ultrasound solid-liquid extraction and ultra-high performance liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1400, 1-9.	3.7	13
62	The photocatalytic degradation of naproxen with g-C ₃ N ₄ and visible light: Identification of primary by-products and mechanism in tap water and ultrapure water. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106964.	6.7	12
63	An organometallic approach for the preparation of Au-TiO ₂ and Au-g-C ₃ N ₄ nanohybrids: improving the depletion of paracetamol under visible light. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 337-347.	2.9	12
64	Fiber optic-based interface for on-line selective photometric determinations in solid samples by supercritical fluid extraction. <i>Journal of Chromatography A</i> , 1996, 753, 299-305.	3.7	11
65	Focused ultrasound solid-liquid extraction and gas chromatography tandem mass spectrometry determination of brominated flame retardants in indoor dust. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 289-295.	3.7	11
66	Combination of Au-Ag Plasmonic Nanoparticles of Varied Compositions with Carbon Nitride for Enhanced Photocatalytic Degradation of Ibuprofen under Visible Light. <i>Materials</i> , 2021, 14, 3912.	2.9	11
67	Total and individual determination of carbamate pesticides by use of an integrated flow-injection/HPLC system. <i>Chromatographia</i> , 1992, 33, 449-453.	1.3	10
68	Solid interfaces as analytical problem solvers in flow injection analysis. <i>Talanta</i> , 1993, 40, 21-36.	5.5	10
69	Monitoring and Evolution of the Pollution by Volatile Organic Compounds (Vocs) in the Groundwaters of The Najerilla River Basin (Spain). <i>International Journal of Environmental Analytical Chemistry</i> , 2003, 83, 495-506.	3.3	8
70	Study of hydroxycinnamic acids and malvidin 3-monoglucoside derivatives using capillary zone electrophoresis and ultra-performance liquid chromatography. <i>Food Chemistry</i> , 2009, 115, 766-774.	8.2	8
71	Delamination of multilayer packaging caused by exfoliating cream ingredients. <i>Packaging Technology and Science</i> , 2007, 20, 173-182.	2.8	7
72	Determination of Volatile Compounds in Antioxidant Rosemary Extracts by Solid-Phase Microextraction and Gas Chromatography. <i>Analytical Letters</i> , 2005, 38, 1193-1212.	1.8	5

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73	Determination of cosmetic ingredients causing extrusion-coated and adhesive joint multilayer packaging delamination. <i>Packaging Technology and Science</i> , 2009, 22, 415-429.	2.8	5
74	In-Cell Clean-Up Pressurised Liquid Extraction Method to Determine Pesticides in Mushroom Compost by Gas Chromatography-Tandem Mass Spectrometry. , 2012, 2012, 1-8.		4
75	Elimination of parasitic signals caused by gas bubbles by integrating separation and detection in continuous flow systems. <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 349, 483-486.	1.5	0