Francesc A Esteve-Turrillas

List of Publications by Year
in descending order

109 papers	2,545 citations	249298 26 h-index	274796 44 g-index
115 all docs	115 docs citations	115 times ranked	3014 citing authors

#	Article	IF	Citations
1	Analysis of drugs including illicit and new psychoactive substances in oral fluids by gas chromatography-drift tube ion mobility spectrometry. Talanta, 2022, 238, 122966.	2.9	15
2	Metabolism of third generation synthetic cannabinoids using zebrafish larvae. Drug Testing and Analysis, 2022, 14, 594-603.	1.6	6
3	Review of the state of the art of acrylamide human biomonitoring. Chemosphere, 2022, 295, 133880.	4.2	8
4	Ethylphenidate determination in oral fluids by molecularly imprinted polymer extraction and ion mobility spectrometry. Microchemical Journal, 2022, 178, 107423.	2.3	5
5	Paper-based monolith extraction of psychoactive substances from biological fluids. Talanta, 2022, 246, 123536.	2.9	4
6	Determination of Third-Generation Synthetic Cannabinoids in Oral Fluids. Journal of Analytical Toxicology, 2021, 45, 331-336.	1.7	22
7	Green Analytical Chemistry. , 2021, , 483-493.		2
8	Smart materials for sample preparation in bioanalysis: A green overview. Sustainable Chemistry and Pharmacy, 2021, 21, 100411.	1.6	17
9	Dual mixed-mode poly (vinylpyridine-co-methacrylic acid-co-ethylene glycol dimethacrylate)-based sorbent for acidic and basic drug extraction from oral fluid samples. Analytica Chimica Acta, 2021, 1167, 338604.	2.6	8
10	Applications of the Photoionization Detector (PID) in Occupational Hygiene. Estimation of Air Changes per Hour in Premises with Natural Ventilation. Chemosensors, 2021, 9, 331.	1.8	3
11	Skin Permeation of Hazardous Compounds of Tobacco Smoke in Presence of Antipollution Cosmetics.. Journal of Cosmetic Science, 2021, 72, 379-398.	0.1	0
12	Direct and fast determination of polychlorinated biphenyls in contaminated soils and sediments by thermal desorption-gas chromatography-tandem mass spectrometry. Journal of Chromatography A, 2020, 1610, 460573.	1.8	9
13	Unexpected identification and characterization of a cathinone precursor in the new psychoactive substance market: 3â€²,4â€²-methylenedioxy-2,2-dibromobutyrophenone. Forensic Science International, 2020, 306, 110043.	1.3	1
14	Methylone determination in oral fluid using microextraction by packed sorbent coupled to ion mobility spectrometry. Microchemical Journal, 2020, 153, 104504.	2.3	10
15	Environmental applications (air). , 2020, , 647-671.		1
16	Molecularly imprinted polymer-based device for field collection of oral fluid samples for cocaine identification. Journal of Chromatography A, 2020, 1633, 461629.	1.8	9
17	Sample preparation strategies for the determination of psychoactive substances in biological fluids. Journal of Chromatography A, 2020, 1633, 461615.	1.8	17
18	Development and Evaluation of Paper-Based Devices for Iron(III) Determination in an Advanced Undergraduate Laboratory. Journal of Chemical Education, 2020, 97, 3852-3857.	1.1	18

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19	Tuning the selectivity of molecularly imprinted polymer extraction of arylcyclohexylamines: From class-selective to specific. Analytica Chimica Acta, 2020, 1124, 94-103.	2.6	14
20	Analysis of hazardous chemicals by â€œstand aloneâ€•drift tube ion mobility spectrometry: a review. Analytical Methods, 2020, 12, 1163-1181.	1.3	34
21	Smart Sorption Materials in Green Analytical Chemistry. Green Chemistry and Sustainable Technology, 2019, , 167-202.	0.4	3
22	Development of pipette tip-based poly(methacrylic acid-co-ethylene glycol dimethacrylate) monolith for the extraction of drugs of abuse from oral fluid samples. Talanta, 2019, 205, 120158.	2.9	31
23	Determination of the new psychoactive substance dichloropane in saliva by microextraction by packed sorbent â€“ Ion mobility spectrometry. Journal of Chromatography A, 2019, 1603, 61-66.	1.8	21
24	Green extraction techniques in green analytical chemistry. TrAC - Trends in Analytical Chemistry, 2019, 116, 248-253.	5.8	167
25	Development of a molecularly imprinted monolithic polymer disk for agitation-extraction of ecgonine methyl ester from environmental water. Talanta, 2019, 199, 388-395.	2.9	19
26	Uptake and translocation monitoring of imidacloprid to chili and tomato plants by molecularly imprinting extraction - ion mobility spectrometry. Microchemical Journal, 2019, 144, 195-202.	2.3	22
27	Amphetamine-type stimulants analysis in oral fluid based on molecularly imprinting extraction. Analytica Chimica Acta, 2019, 1052, 73-83.	2.6	42
28	Magnetic molecularly imprinted polymers for the selective determination of cocaine by ion mobility spectrometry. Journal of Chromatography A, 2018, 1545, 22-31.	1.8	39
29	Trace analysis by ion mobility spectrometry: From conventional to smart sample preconcentration methods. A review. Analytica Chimica Acta, 2018, 1026, 37-50.	2.6	41
30	Flavonoid determination in onion, chili and leek by hard cap espresso extraction and liquid chromatography with diode array detection. Microchemical Journal, 2018, 140, 74-79.	2.3	24
31	Identification and characterization of the new psychoactive substance 3-fluoroethamphetamine in seized material. Forensic Toxicology, 2018, 36, 404-414.	1.4	8
32	Highly sensitive monoclonal antibody-based immunoassays for boscalid analysis in strawberries. Food Chemistry, 2018, 267, 2-9.	4.2	21
33	Assessment of air passive sampling uptakes for volatile organic compounds using VERAM devices. Science of the Total Environment, 2018, 619-620, 1014-1021.	3.9	10
34	Automobile Emissions Testing. , 2018, , 247-247.		0
35	Airport Security Screening. , 2018, , 61-61.		0
36	Ion mobility spectrometry and high resolution mass-spectrometry as methodologies for rapid identification of the last generation of new psychoactive substances. Journal of Chromatography A, 2018, 1574, 91-100.	1.8	22

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37	Rationally designed haptens for highly sensitive monoclonal antibody-based immunoanalysis of fenhexamid. Analyst, The, 2018, 143, 4057-4066.	1.7	10
38	Development of immunosorbents for the analysis of forchlorfenuron in fruit juices by ion mobility spectrometry. Analytical and Bioanalytical Chemistry, 2018, 410, 5961-5967.	1.9	14
39	Fast extraction of cannabinoids in marijuana samples by using hard-cap espresso machines. Talanta, 2018, 190, 321-326.	2.9	20
40	Hard Cap Espresso Machine Extraction of Polyphenolic Compounds from Pulses. Journal of the Mexican Chemical Society, 2018, 62, .	0.2	0
41	In situ derivatization for double confirmation of 2Câ€“C in oral fluids by ion mobility spectrometry. Analytical Methods, 2017, 9, 2682-2688.	1.3	4
42	Selective determination of clenbuterol residues in urine by molecular imprinted polymerâ€”Ion mobility spectrometry. Microchemical Journal, 2017, 134, 62-67.	2.3	12
43	Green Analytical Chemistry. Comprehensive Analytical Chemistry, 2017, 76, 1-25.	0.7	19
44	Comprehensive analysis of airborne pesticides using hard cap espresso extraction-liquid chromatography-high-resolution mass spectrometry. Journal of Chromatography A, 2017, 1506, 27-36.	1.8	19
45	Hard cap espresso extraction and liquid chromatography determination of bioactive compounds in vegetables and spices. Food Chemistry, 2017, 237, 75-82.	4.2	15
46	Hard cap espresso extraction-stir bar preconcentration of polychlorinated biphenyls in soil and sediments. Analytica Chimica Acta, 2017, 952, 41-49.	2.6	22
47	Cocaine abuse determination by ion mobility spectrometry using molecular imprinting. Journal of Chromatography A, 2017, 1481, 23-30.	1.8	46
48	A class-selective immunoassay for simultaneous analysis of anilinopyrimidine fungicides using a rationally designed hapten. Analyst, The, 2017, 142, 3975-3985.	1.7	17
49	Dispersive magnetic immunoaffinity extraction. Anatoxin-a determination. Journal of Chromatography A, 2017, 1529, 57-62.	1.8	19
50	Towards an automatic lab-on-valve-ion mobility spectrometric system for detection of cocaine abuse. Journal of Chromatography A, 2017, 1512, 43-50.	1.8	18
51	Ion mobility spectrometry as a fast analytical tool in benzalkonium chloride homologs determination. Talanta, 2017, 164, 110-115.	2.9	4
52	Environmental impact of Recover cotton in textile industry. Resources, Conservation and Recycling, 2017, 116, 107-115.	5.3	118
53	Passive Air Sampling. Comprehensive Analytical Chemistry, 2016, 73, 203-232.	0.7	4
54	Determination of non-steroidal anti-inflammatory drugs in water and urine using selective molecular imprinted polymer extraction and liquid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2016, 131, 48-53.	1.4	67

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55	Use of a versatile, easy, and rapid atmospheric monitor (VERAM) passive samplers for pesticide determination in continental waters. Analytical and Bioanalytical Chemistry, 2016, 408, 8495-8503.	1.9	1
56	Highly selective solid-phase extraction sorbents for chloramphenicol determination in food and urine by ion mobility spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 8559-8567.	1.9	26
57	Hard Cap Espresso Machines in Analytical Chemistry: What Else?. Analytical Chemistry, 2016, 88, 6570-6576.	3.2	27
58	Fungicide multiresidue monitoring in international wines by immunoassays. Food Chemistry, 2016, 196, 1279-1286.	4.2	33
59	Off-line coupling of multidimensional immunoaffinity chromatography and ion mobility spectrometry: A promising partnership. Journal of Chromatography A, 2015, 1426, 110-117.	1.8	21
60	Monoclonal antibody-based immunoassays for cyprodinil residue analysis in QuEChERS-based fruit extracts. Food Chemistry, 2015, 187, 530-536.	4.2	19
61	Site-heterologous haptens and competitive monoclonal antibody-based immunoassays for pyrimethanil residue analysis in foodstuffs. LWT - Food Science and Technology, 2015, 63, 604-611.	2.5	12
62	Determination of succinate-dehydrogenase-inhibitor fungicide residues in fruits and vegetables by liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 4207-4211.	1.9	45
63	Moiety and linker site heterologies for highly sensitive immunoanalysis of cyprodinil in fermented alcoholic drinks. Food Control, 2015, 50, 393-400.	2.8	10
64	Ready Access to Proquinazid Haptens via Cross-Coupling Chemistry for Antibody Generation and Immunoassay Development. PLoS ONE, 2015, 10, e0134042.	1.1	5
65	Development of a sensitive and specific enzyme-linked immunosorbent assay for the determination of fludioxonil residues in fruit juices. Analytical Methods, 2014, 6, 8924-8929.	1.3	6
66	Design and development of heterologous competitive immunoassays for the determination of boscalid residues. Analyst, The, 2014, 139, 3636-3644.	1.7	13
67	Sensitive Monoclonal Antibody-Based Immunoassays for Kresoxim-methyl Analysis in QuEChERS-Based Food Extracts. Journal of Agricultural and Food Chemistry, 2014, 62, 2816-2821.	2.4	7
68	Immunoreagents and Competitive Assays to Fludioxonil. Journal of Agricultural and Food Chemistry, 2014, 62, 2742-2744.	2.4	10
69	Immunoassays for trifloxystrobin analysis. Part II. Assay development and application to residue determination in food. Food Chemistry, 2014, 162, 41-46.	4.2	11
70	Mepanipyrim haptens and antibodies with nanomolar affinity. Analyst, The, 2013, 138, 3360.	1.7	16
71	Applications of quantum dots as probes in immunosensing of small-sized analytes. Biosensors and Bioelectronics, 2013, 41, 12-29.	5.3	188
72	Immunoassays for pyraclostrobin analysis in processed food products using novel monoclonal antibodies and QuEChERS-based extracts. Food Control, 2013, 32, 42-48.	2.8	9

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73	Antibody generation and immunoassay development in diverse formats for pyrimethanil specific and sensitive analysis. Analyst, The, 2012, 137, 5672.	1.7	14
74	Immunoreagent Generation and Competitive Assay Development for Cyprodinil Analysis. Journal of Agricultural and Food Chemistry, 2012, 60, 4803-4811.	2.4	12
75	Development of competitive enzyme-linked immunosorbent assays for boscalid determination in fruit juices. Food Chemistry, 2012, 135, 276-284.	4.2	18
76	Development of monoclonal antibody-based competitive immunoassays for the detection of picoxystrobin in cereal and oilseed flours. Food Control, 2012, 26, 162-168.	2.8	19
77	Passive Sampling of Atmospheric Organic Contaminants. , 2012, , 201-222.		2
78	Development and validation of a direct competitive monoclonal antibody-based immunoassay for the sensitive and selective analysis of the phytoregulator forchlorfenuron. Analytical and Bioanalytical Chemistry, 2012, 403, 2019-2026.	1.9	12
79	Determination of fenhexamid residues in grape must, kiwifruit, and strawberry samples by enzyme-linked immunosorbent assay. Food Chemistry, 2011, 124, 1727-1733.	4.2	33
80	Development of immunoaffinity columns for pyraclostrobin extraction from fruit juices and analysis by liquid chromatography with UV detection. Journal of Chromatography A, 2011, 1218, 4902-4909.	1.8	47
81	Exploring alternative hapten tethering sites for high-affinity anti-picoxystrobin antibody generation. Analytical Biochemistry, 2011, 416, 82-91.	1.1	12
82	A passive sampling-based analytical strategy for the determination of volatile organic compounds in the air of working areas. Analytica Chimica Acta, 2010, 677, 131-139.	2.6	17
83	Hierarchical porous carbon with designed pore architecture and study of its adsorptive properties. Solid State Sciences, 2010, 12, 15-25.	1.5	16
84	Hapten synthesis, monoclonal antibody generation, and development of competitive immunoassays for the analysis of picoxystrobin in beer. Analytica Chimica Acta, 2010, 682, 93-103.	2.6	52
85	Determination of volatile organic compounds in contaminated air using semipermeable membrane devices. Talanta, 2010, 80, 2041-2048.	2.9	21
86	Use of Semipermeable Membrane Devices for Monitoring Pesticides in Indoor Air. Journal of AOAC INTERNATIONAL, 2009, 92, 1557-1565.	0.7	8
87	Low temperature headspace desorption of volatile organic compounds trapped in air sampling solid-supports. Environmental Chemistry, 2009, 6, 452.	0.7	3
88	Evaluation of the Soil Contamination of Tangier (Morocco) by the Determination of BTEX, PCBs, and PAHs. Soil and Sediment Contamination, 2009, 18, 535-545.	1.1	4
89	Development of a versatile, easy and rapid atmospheric monitor for benzene, toluene, ethylbenzene and xylenes determination in air. Journal of Chromatography A, 2009, 1216, 8549-8556.	1.8	26
90	Use of semipermeable membrane devices for assessment of air quality in Tangier (Morocco). International Journal of Environmental Analytical Chemistry, 2009, 89, 917-928.	1.8	5

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91	Use of semipermeable membrane devices for monitoring pesticides in indoor air. Journal of AOAC INTERNATIONAL, 2009, 92, 1557-65.	0.7	1
92	Evaluation of working air quality by using semipermeable membrane devices. Analytica Chimica Acta, 2008, 626, 21-27.	2.6	15
93	On-line gel permeation chromatographyâ€“attenuated total reflectanceâ€“Fourier transform infrared determination of lecithin and soybean oil in dietary supplements. Journal of Chromatography A, 2008, 1185, 71-77.	1.8	35
94	New perspectives in the use of semipermeable membrane devices as passive samplers. Talanta, 2008, 74, 443-457.	2.9	69
95	Optimization of Large-Volume Injection for the Determination of Polychlorinated Biphenyls in ChildrenÊ¼s Fast-Food Menus by Low-Resolution Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2008, 56, 1797-1803.	2.4	13
96	Using semi-permeable membrane devices as passive samplers. TrAC - Trends in Analytical Chemistry, 2007, 26, 703-712.	5.8	49
97	Headspaceâ€“mass spectrometry determination of benzene, toluene and the mixture of ethylbenzene and xylene isomers in soil samples using chemometrics. Analytica Chimica Acta, 2007, 587, 89-96.	2.6	37
98	Assessing air quality inside vehicles and at filling stations by monitoring benzene, toluene, ethylbenzene and xylenes with the use of semipermeable devices. Analytica Chimica Acta, 2007, 593, 108-116.	2.6	53
99	Polyfurfuryl alcohol composite as adsorbent of polychlorinated biphenyls and pyrethroid insecticides. Polymer Testing, 2007, 26, 587-594.	2.3	4
100	Behaviour of semipermeable membrane devices in neutral pesticide uptake from waters. Analytical and Bioanalytical Chemistry, 2007, 387, 2153-2162.	1.9	17
101	Microwave-assisted extraction of pyrethroid insecticides from semi permeable membrane devices (SPMDs) used to indoor air monitoring. Analytica Chimica Acta, 2006, 560, 118-127.	2.6	36
102	Development of a simple and low cost device for vapour phase Fourier Transform Infrared spectrometry determination of ethanol in mouthwashes. Analytica Chimica Acta, 2006, 569, 238-243.	2.6	10
103	Reply to the comments on â€œValidated, non-destructive and environmentally friendly determination of cocaine in euro bank notesâ€•by R. Sleeman, J.F. Carter, K.A. Ebejer. Journal of Chromatography A, 2006, 1108, 287-288.	1.8	1
104	Comparison of different mass spectrometric detection techniques in the gas chromatographic analysis of pyrethroid insecticide residues in soil after microwave-assisted extraction. Analytical and Bioanalytical Chemistry, 2006, 384, 801-809.	1.9	34
105	Determination of ethyl sulfate â€“ a marker for recent ethanol consumption â€“ in human urine by CE with indirect UV detection. Electrophoresis, 2006, 27, 4763-4771.	1.3	24
106	Determination of pyrethroid insecticide residues in vegetable oils by using combined solid-phases extraction and tandem mass spectrometry detection. Analytica Chimica Acta, 2005, 553, 50-57.	2.6	117
107	Validated, non-destructive and environmentally friendly determination of cocaine in euro bank notes. Journal of Chromatography A, 2005, 1065, 321-325.	1.8	30
108	Uptake and bioavailability of persistent organic pollutants by plants grown in contaminated soil. Journal of Environmental Monitoring, 2005, 7, 1093.	2.1	18

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109	Microwave-assisted extraction of pyrethroid insecticides from soil. Analytica Chimica Acta, 2004, 522, 73-78.	2.6	82