

# Francesc A Esteve-Turrillas

## List of Publications by Year in descending order

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109  
papers

2,545  
citations

218677

26  
h-index

243625

44  
g-index

115  
all docs

115  
docs citations

115  
times ranked

2794  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of quantum dots as probes in immunosensing of small-sized analytes. <i>Biosensors and Bioelectronics</i> , 2013, 41, 12-29.	10.1	188
2	Green extraction techniques in green analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 248-253.	11.4	167
3	Environmental impact of Recover cotton in textile industry. <i>Resources, Conservation and Recycling</i> , 2017, 116, 107-115.	10.8	118
4	Determination of pyrethroid insecticide residues in vegetable oils by using combined solid-phases extraction and tandem mass spectrometry detection. <i>Analytica Chimica Acta</i> , 2005, 553, 50-57.	5.4	117
5	Microwave-assisted extraction of pyrethroid insecticides from soil. <i>Analytica Chimica Acta</i> , 2004, 522, 73-78.	5.4	82
6	New perspectives in the use of semipermeable membrane devices as passive samplers. <i>Talanta</i> , 2008, 74, 443-457.	5.5	69
7	Determination of non-steroidal anti-inflammatory drugs in water and urine using selective molecular imprinted polymer extraction and liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 48-53.	2.8	67
8	Assessing air quality inside vehicles and at filling stations by monitoring benzene, toluene, ethylbenzene and xylenes with the use of semipermeable devices. <i>Analytica Chimica Acta</i> , 2007, 593, 108-116.	5.4	53
9	Hapten synthesis, monoclonal antibody generation, and development of competitive immunoassays for the analysis of picoxystrobin in beer. <i>Analytica Chimica Acta</i> , 2010, 682, 93-103.	5.4	52
10	Using semi-permeable membrane devices as passive samplers. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 703-712.	11.4	49
11	Development of immunoaffinity columns for pyraclostrobin extraction from fruit juices and analysis by liquid chromatography with UV detection. <i>Journal of Chromatography A</i> , 2011, 1218, 4902-4909.	3.7	47
12	Cocaine abuse determination by ion mobility spectrometry using molecular imprinting. <i>Journal of Chromatography A</i> , 2017, 1481, 23-30.	3.7	46
13	Determination of succinate-dehydrogenase-inhibitor fungicide residues in fruits and vegetables by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4207-4211.	3.7	45
14	Amphetamine-type stimulants analysis in oral fluid based on molecularly imprinting extraction. <i>Analytica Chimica Acta</i> , 2019, 1052, 73-83.	5.4	42
15	Trace analysis by ion mobility spectrometry: From conventional to smart sample preconcentration methods. A review. <i>Analytica Chimica Acta</i> , 2018, 1026, 37-50.	5.4	41
16	Magnetic molecularly imprinted polymers for the selective determination of cocaine by ion mobility spectrometry. <i>Journal of Chromatography A</i> , 2018, 1545, 22-31.	3.7	39
17	Headspace-mass spectrometry determination of benzene, toluene and the mixture of ethylbenzene and xylene isomers in soil samples using chemometrics. <i>Analytica Chimica Acta</i> , 2007, 587, 89-96.	5.4	37
18	Microwave-assisted extraction of pyrethroid insecticides from semi permeable membrane devices (SPMDs) used to indoor air monitoring. <i>Analytica Chimica Acta</i> , 2006, 560, 118-127.	5.4	36

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19	On-line gel permeation chromatography-attenuated total reflectance-Fourier transform infrared determination of lecithin and soybean oil in dietary supplements. <i>Journal of Chromatography A</i> , 2008, 1185, 71-77.	3.7	35
20	Comparison of different mass spectrometric detection techniques in the gas chromatographic analysis of pyrethroid insecticide residues in soil after microwave-assisted extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 801-809.	3.7	34
21	Analysis of hazardous chemicals by stand alone-drift tube ion mobility spectrometry: a review. <i>Analytical Methods</i> , 2020, 12, 1163-1181.	2.7	34
22	Determination of fenhexamid residues in grape must, kiwifruit, and strawberry samples by enzyme-linked immunosorbent assay. <i>Food Chemistry</i> , 2011, 124, 1727-1733.	8.2	33
23	Fungicide multiresidue monitoring in international wines by immunoassays. <i>Food Chemistry</i> , 2016, 196, 1279-1286.	8.2	33
24	Development of pipette tip-based poly(methacrylic acid-co-ethylene glycol dimethacrylate) monolith for the extraction of drugs of abuse from oral fluid samples. <i>Talanta</i> , 2019, 205, 120158.	5.5	31
25	Validated, non-destructive and environmentally friendly determination of cocaine in euro bank notes. <i>Journal of Chromatography A</i> , 2005, 1065, 321-325.	3.7	30
26	Hard Cap Espresso Machines in Analytical Chemistry: What Else?. <i>Analytical Chemistry</i> , 2016, 88, 6570-6576.	6.5	27
27	Development of a versatile, easy and rapid atmospheric monitor for benzene, toluene, ethylbenzene and xylenes determination in air. <i>Journal of Chromatography A</i> , 2009, 1216, 8549-8556.	3.7	26
28	Highly selective solid-phase extraction sorbents for chloramphenicol determination in food and urine by ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8559-8567.	3.7	26
29	Determination of ethyl sulfate - a marker for recent ethanol consumption - in human urine by CE with indirect UV detection. <i>Electrophoresis</i> , 2006, 27, 4763-4771.	2.4	24
30	Flavonoid determination in onion, chili and leek by hard cap espresso extraction and liquid chromatography with diode array detection. <i>Microchemical Journal</i> , 2018, 140, 74-79.	4.5	24
31	Hard cap espresso extraction-stir bar preconcentration of polychlorinated biphenyls in soil and sediments. <i>Analytica Chimica Acta</i> , 2017, 952, 41-49.	5.4	22
32	Ion mobility spectrometry and high resolution mass-spectrometry as methodologies for rapid identification of the last generation of new psychoactive substances. <i>Journal of Chromatography A</i> , 2018, 1574, 91-100.	3.7	22
33	Uptake and translocation monitoring of imidacloprid to chili and tomato plants by molecularly imprinting extraction - ion mobility spectrometry. <i>Microchemical Journal</i> , 2019, 144, 195-202.	4.5	22
34	Determination of Third-Generation Synthetic Cannabinoids in Oral Fluids. <i>Journal of Analytical Toxicology</i> , 2021, 45, 331-336.	2.8	22
35	Determination of volatile organic compounds in contaminated air using semipermeable membrane devices. <i>Talanta</i> , 2010, 80, 2041-2048.	5.5	21
36	Off-line coupling of multidimensional immunoaffinity chromatography and ion mobility spectrometry: A promising partnership. <i>Journal of Chromatography A</i> , 2015, 1426, 110-117.	3.7	21

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37	Highly sensitive monoclonal antibody-based immunoassays for boscalid analysis in strawberries. <i>Food Chemistry</i> , 2018, 267, 2-9.	8.2	21
38	Determination of the new psychoactive substance dichloropane in saliva by microextraction by packed sorbent " Ion mobility spectrometry. <i>Journal of Chromatography A</i> , 2019, 1603, 61-66.	3.7	21
39	Fast extraction of cannabinoids in marijuana samples by using hard-cap espresso machines. <i>Talanta</i> , 2018, 190, 321-326.	5.5	20
40	Development of monoclonal antibody-based competitive immunoassays for the detection of piconystrobin in cereal and oilseed flours. <i>Food Control</i> , 2012, 26, 162-168.	5.5	19
41	Monoclonal antibody-based immunoassays for cyprodinil residue analysis in QuEChERS-based fruit extracts. <i>Food Chemistry</i> , 2015, 187, 530-536.	8.2	19
42	Green Analytical Chemistry. <i>Comprehensive Analytical Chemistry</i> , 2017, 76, 1-25.	1.3	19
43	Comprehensive analysis of airborne pesticides using hard cap espresso extraction-liquid chromatography-high-resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1506, 27-36.	3.7	19
44	Dispersive magnetic immunoaffinity extraction. Anatoxin-a determination. <i>Journal of Chromatography A</i> , 2017, 1529, 57-62.	3.7	19
45	Development of a molecularly imprinted monolithic polymer disk for agitation-extraction of ecgonine methyl ester from environmental water. <i>Talanta</i> , 2019, 199, 388-395.	5.5	19
46	Uptake and bioavailability of persistent organic pollutants by plants grown in contaminated soil. <i>Journal of Environmental Monitoring</i> , 2005, 7, 1093.	2.1	18
47	Development of competitive enzyme-linked immunosorbent assays for boscalid determination in fruit juices. <i>Food Chemistry</i> , 2012, 135, 276-284.	8.2	18
48	Towards an automatic lab-on-valve-ion mobility spectrometric system for detection of cocaine abuse. <i>Journal of Chromatography A</i> , 2017, 1512, 43-50.	3.7	18
49	Development and Evaluation of Paper-Based Devices for Iron(III) Determination in an Advanced Undergraduate Laboratory. <i>Journal of Chemical Education</i> , 2020, 97, 3852-3857.	2.3	18
50	Behaviour of semipermeable membrane devices in neutral pesticide uptake from waters. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 2153-2162.	3.7	17
51	A passive sampling-based analytical strategy for the determination of volatile organic compounds in the air of working areas. <i>Analytica Chimica Acta</i> , 2010, 677, 131-139.	5.4	17
52	A class-selective immunoassay for simultaneous analysis of anilinopyrimidine fungicides using a rationally designed hapten. <i>Analyst</i> , 2017, 142, 3975-3985.	3.5	17
53	Sample preparation strategies for the determination of psychoactive substances in biological fluids. <i>Journal of Chromatography A</i> , 2020, 1633, 461615.	3.7	17
54	Smart materials for sample preparation in bioanalysis: A green overview. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 21, 100411.	3.3	17

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55	Hierarchical porous carbon with designed pore architecture and study of its adsorptive properties. <i>Solid State Sciences</i> , 2010, 12, 15-25.	3.2	16
56	Mepanipyrim haptens and antibodies with nanomolar affinity. <i>Analyst, The</i> , 2013, 138, 3360.	3.5	16
57	Evaluation of working air quality by using semipermeable membrane devices. <i>Analytica Chimica Acta</i> , 2008, 626, 21-27.	5.4	15
58	Hard cap espresso extraction and liquid chromatography determination of bioactive compounds in vegetables and spices. <i>Food Chemistry</i> , 2017, 237, 75-82.	8.2	15
59	Analysis of drugs including illicit and new psychoactive substances in oral fluids by gas chromatography-drift tube ion mobility spectrometry. <i>Talanta</i> , 2022, 238, 122966.	5.5	15
60	Antibody generation and immunoassay development in diverse formats for pyrimethanil specific and sensitive analysis. <i>Analyst, The</i> , 2012, 137, 5672.	3.5	14
61	Development of immunosorbents for the analysis of forchlorfenuron in fruit juices by ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5961-5967.	3.7	14
62	Tuning the selectivity of molecularly imprinted polymer extraction of arylcyclohexylamines: From class-selective to specific. <i>Analytica Chimica Acta</i> , 2020, 1124, 94-103.	5.4	14
63	Optimization of Large-Volume Injection for the Determination of Polychlorinated Biphenyls in Children's Fast-Food Menus by Low-Resolution Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 1797-1803.	5.2	13
64	Design and development of heterologous competitive immunoassays for the determination of boscalid residues. <i>Analyst, The</i> , 2014, 139, 3636-3644.	3.5	13
65	Exploring alternative hapten tethering sites for high-affinity anti-picoxystrobin antibody generation. <i>Analytical Biochemistry</i> , 2011, 416, 82-91.	2.4	12
66	Immunoreagent Generation and Competitive Assay Development for Cyprodinil Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 4803-4811.	5.2	12
67	Development and validation of a direct competitive monoclonal antibody-based immunoassay for the sensitive and selective analysis of the phytohormone forchlorfenuron. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2019-2026.	3.7	12
68	Site-heterologous haptens and competitive monoclonal antibody-based immunoassays for pyrimethanil residue analysis in foodstuffs. <i>LWT - Food Science and Technology</i> , 2015, 63, 604-611.	5.2	12
69	Selective determination of clenbuterol residues in urine by molecular imprinted polymer ion mobility spectrometry. <i>Microchemical Journal</i> , 2017, 134, 62-67.	4.5	12
70	Immunoassays for trifloxystrobin analysis. Part II. Assay development and application to residue determination in food. <i>Food Chemistry</i> , 2014, 162, 41-46.	8.2	11
71	Development of a simple and low cost device for vapour phase Fourier Transform Infrared spectrometry determination of ethanol in mouthwashes. <i>Analytica Chimica Acta</i> , 2006, 569, 238-243.	5.4	10
72	Immunoreagents and Competitive Assays to Fludioxonil. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2742-2744.	5.2	10

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73	Moiety and linker site heterologies for highly sensitive immunoanalysis of cyprodinil in fermented alcoholic drinks. <i>Food Control</i> , 2015, 50, 393-400.	5.5	10
74	Assessment of air passive sampling uptakes for volatile organic compounds using VERAM devices. <i>Science of the Total Environment</i> , 2018, 619-620, 1014-1021.	8.0	10
75	Rationally designed haptens for highly sensitive monoclonal antibody-based immunoanalysis of fenhexamid. <i>Analyst</i> , The, 2018, 143, 4057-4066.	3.5	10
76	Methylone determination in oral fluid using microextraction by packed sorbent coupled to ion mobility spectrometry. <i>Microchemical Journal</i> , 2020, 153, 104504.	4.5	10
77	Immunoassays for pyraclostrobin analysis in processed food products using novel monoclonal antibodies and QuEChERS-based extracts. <i>Food Control</i> , 2013, 32, 42-48.	5.5	9
78	Direct and fast determination of polychlorinated biphenyls in contaminated soils and sediments by thermal desorption-gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1610, 460573.	3.7	9
79	Molecularly imprinted polymer-based device for field collection of oral fluid samples for cocaine identification. <i>Journal of Chromatography A</i> , 2020, 1633, 461629.	3.7	9
80	Use of Semipermeable Membrane Devices for Monitoring Pesticides in Indoor Air. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 1557-1565.	1.5	8
81	Identification and characterization of the new psychoactive substance 3-fluoroamphetamine in seized material. <i>Forensic Toxicology</i> , 2018, 36, 404-414.	2.4	8
82	Dual mixed-mode poly (vinylpyridine-co-methacrylic acid-co-ethylene glycol dimethacrylate)-based sorbent for acidic and basic drug extraction from oral fluid samples. <i>Analytica Chimica Acta</i> , 2021, 1167, 338604.	5.4	8
83	Review of the state of the art of acrylamide human biomonitoring. <i>Chemosphere</i> , 2022, 295, 133880.	8.2	8
84	Sensitive Monoclonal Antibody-Based Immunoassays for Kresoxim-methyl Analysis in QuEChERS-Based Food Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2816-2821.	5.2	7
85	Development of a sensitive and specific enzyme-linked immunosorbent assay for the determination of fludioxonil residues in fruit juices. <i>Analytical Methods</i> , 2014, 6, 8924-8929.	2.7	6
86	Metabolism of third generation synthetic cannabinoids using zebrafish larvae. <i>Drug Testing and Analysis</i> , 2022, 14, 594-603.	2.6	6
87	Use of semipermeable membrane devices for assessment of air quality in Tangier (Morocco). <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 917-928.	3.3	5
88	Ready Access to Proquinazid Haptens via Cross-Coupling Chemistry for Antibody Generation and Immunoassay Development. <i>PLoS ONE</i> , 2015, 10, e0134042.	2.5	5
89	Ethylphenidate determination in oral fluids by molecularly imprinted polymer extraction and ion mobility spectrometry. <i>Microchemical Journal</i> , 2022, 178, 107423.	4.5	5
90	Polyfurfuryl alcohol composite as adsorbent of polychlorinated biphenyls and pyrethroid insecticides. <i>Polymer Testing</i> , 2007, 26, 587-594.	4.8	4

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91	Evaluation of the Soil Contamination of Tangier (Morocco) by the Determination of BTEX, PCBs, and PAHs. <i>Soil and Sediment Contamination</i> , 2009, 18, 535-545.	1.9	4
92	Passive Air Sampling. <i>Comprehensive Analytical Chemistry</i> , 2016, 73, 203-232.	1.3	4
93	In situ derivatization for double confirmation of 2C <sup>14</sup> C in oral fluids by ion mobility spectrometry. <i>Analytical Methods</i> , 2017, 9, 2682-2688.	2.7	4
94	Ion mobility spectrometry as a fast analytical tool in benzalkonium chloride homologs determination. <i>Talanta</i> , 2017, 164, 110-115.	5.5	4
95	Paper-based monolith extraction of psychoactive substances from biological fluids. <i>Talanta</i> , 2022, 246, 123536.	5.5	4
96	Low temperature headspace desorption of volatile organic compounds trapped in air sampling solid-supports. <i>Environmental Chemistry</i> , 2009, 6, 452.	1.5	3
97	Smart Sorption Materials in Green Analytical Chemistry. <i>Green Chemistry and Sustainable Technology</i> , 2019, , 167-202.	0.7	3
98	Applications of the Photoionization Detector (PID) in Occupational Hygiene. Estimation of Air Changes per Hour in Premises with Natural Ventilation. <i>Chemosensors</i> , 2021, 9, 331.	3.6	3
99	Passive Sampling of Atmospheric Organic Contaminants. , 2012, , 201-222.		2
100	Green Analytical Chemistry. , 2021, , 483-493.		2
101	Reply to the comments on "Validated, non-destructive and environmentally friendly determination of cocaine in euro bank notes" by R. Sleeman, J.F. Carter, K.A. Ebejer. <i>Journal of Chromatography A</i> , 2006, 1108, 287-288.	3.7	1
102	Use of a versatile, easy, and rapid atmospheric monitor (VERAM) passive samplers for pesticide determination in continental waters. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8495-8503.	3.7	1
103	Unexpected identification and characterization of a cathinone precursor in the new psychoactive substance market: 3 <sup>14</sup> C,4 <sup>14</sup> C-methylenedioxy-2,2-dibromobutyrophenone. <i>Forensic Science International</i> , 2020, 306, 110043.	2.2	1
104	Environmental applications (air). , 2020, , 647-671.		1
105	Use of semipermeable membrane devices for monitoring pesticides in indoor air. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 1557-65.	1.5	1
106	Automobile Emissions Testing. , 2018, , 247-247.		0
107	Airport Security Screening. , 2018, , 61-61.		0
108	Hard Cap Espresso Machine Extraction of Polyphenolic Compounds from Pulses. <i>Journal of the Mexican Chemical Society</i> , 2018, 62, .	0.6	0

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109	Skin Permeation of Hazardous Compounds of Tobacco Smoke in Presence of Antipollution Cosmetics.. Journal of Cosmetic Science, 2021, 72, 379-398.	0.1	0