

Encarnacion Moyano

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2985811/encarnacion-moyano-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115
papers

3,531
citations

37
h-index

54
g-index

116
ext. papers

3,886
ext. citations

4.7
avg, IF

5.39
L-index

#	Paper	IF	Citations
115	Accelerated bimolecular reactions in microdroplets studied by desorption electrospray ionization mass spectrometry. <i>Chemical Science</i> , 2011 , 2, 501-510	9.4	215
114	Analysis of bisphenols in soft drinks by on-line solid phase extraction fast liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2011 , 683, 227-33	6.6	168
113	Determination of quaternary ammonium pesticides by liquid chromatography-electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2001 , 914, 111-21	4.5	91
112	Analysis of the herbicides paraquat, diquat and difenzoquat in drinking water by micellar electrokinetic chromatography using sweeping and cation selective exhaustive injection. <i>Journal of Chromatography A</i> , 2002 , 961, 65-75	4.5	82
111	Fast liquid chromatography-tandem mass spectrometry for the analysis of bisphenol A-diglycidyl ether, bisphenol F-diglycidyl ether and their derivatives in canned food and beverages. <i>Journal of Chromatography A</i> , 2011 , 1218, 1603-10	4.5	79
110	LCMS/MS analysis of organic toxics in food. <i>TrAC - Trends in Analytical Chemistry</i> , 2005 , 24, 683-703	14.6	73
109	Ion-pair liquid chromatography-atmospheric pressure ionization mass spectrometry for the determination of quaternary ammonium herbicides. <i>Journal of Chromatography A</i> , 1999 , 830, 145-54	4.5	71
108	On-line solid phase extraction fast liquid chromatography-tandem mass spectrometry for the analysis of bisphenol A and its chlorinated derivatives in water samples. <i>Journal of Chromatography A</i> , 2010 , 1217, 3511-8	4.5	67
107	Ultra-performance liquid chromatography-tandem mass spectrometry for the analysis of heterocyclic amines in food. <i>Journal of Chromatography A</i> , 2006 , 1125, 195-203	4.5	65
106	State-of-the-art of the hyphenation of capillary electrochromatography with mass spectrometry. <i>Electrophoresis</i> , 2004 , 25, 1927-48	3.6	63
105	Capillary electrophoresis-mass spectrometry for the analysis of quaternary ammonium herbicides. <i>Journal of Chromatography A</i> , 2002 , 974, 243-55	4.5	63
104	Formation and stability of heterocyclic amines in a meat flavour model system. Effect of temperature, time and precursors. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004 , 802, 11-7	3.2	62
103	Pressure-assisted capillary electrophoresis-electrospray ion trap mass spectrometry for the analysis of heparin depolymerised disaccharides. <i>Journal of Chromatography A</i> , 2001 , 914, 277-91	4.5	62
102	Solid-phase extraction and sample stacking-capillary electrophoresis for the determination of quaternary ammonium herbicides in drinking water. <i>Journal of Chromatography A</i> , 2002 , 946, 275-82	4.5	61
101	Analysis of UV ink photoinitiators in packaged food by fast liquid chromatography at sub-ambient temperature coupled to tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 459-66	4.5	59
100	Ion-trap tandem mass spectrometry for the determination of heterocyclic amines in food. <i>Journal of Chromatography A</i> , 2002 , 948, 267-81	4.5	58
99	Trace analysis of polystyrene microplastics in natural waters. <i>Chemosphere</i> , 2019 , 236, 124321	8.4	55

98	Liquid chromatography/multi-stage mass spectrometry of bisphenol A and its halogenated derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 4039-48	2.2	55
97	Sample stacking with matrix removal for the determination of paraquat, diquat and difenzoquat in water by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2001 , 912, 353-61	4.5	54
96	Liquid chromatography-atmospheric pressure ionization mass spectrometry for the determination of chloro- and nitrophenolic compounds in tap water and sea water. <i>Journal of Chromatography A</i> , 1997 , 787, 79-89	4.5	53
95	Analysis of chlormequat and mepiquat by hydrophilic interaction chromatography coupled to tandem mass spectrometry in food samples. <i>Journal of Chromatography A</i> , 2009 , 1216, 4402-6	4.5	52
94	Liquid chromatography multi-stage mass spectrometry for the analysis of 5-hydroxymethylfurfural in foods. <i>Journal of Chromatography A</i> , 2008 , 1185, 102-8	4.5	52
93	Analysis of perfluorinated phosphonic acids and perfluorooctane sulfonic acid in water, sludge and sediment by LC-MS/MS. <i>Talanta</i> , 2011 , 86, 329-36	6.2	51
92	On-line ion-pair solid-phase extraction-liquid chromatography-mass spectrometry for the analysis of quaternary ammonium herbicides. <i>Journal of Chromatography A</i> , 2000 , 869, 441-9	4.5	51
91	Determination of Quaternary Ammonium Herbicides by Capillary Electrophoresis/Mass Spectrometry 1996 , 10, 1379-1385		48
90	Liquid chromatography-atmospheric-pressure chemical ionization mass spectrometry as a routine method for the analysis of mutagenic amines in beef extracts. <i>Journal of Chromatography A</i> , 1997 , 778, 207-18	4.5	46
89	Strategies for the multi-residue analysis of 100 pesticides by liquid chromatography-triple quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1249, 164-80	4.5	45
88	Determination of heterocyclic aromatic amines by capillary electrophoresis coupled to mass spectrometry using in-line preconcentration. <i>Electrophoresis</i> , 2003 , 24, 3075-82	3.6	44
87	Evaluation of different liquid chromatography-electrospray mass spectrometry systems for the analysis of heterocyclic amines. <i>Journal of Chromatography A</i> , 2004 , 1023, 67-78	4.5	43
86	Optimization of a clean-up procedure for the determination of heterocyclic aromatic amines in urine by field-amplified sample injection-capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2004 , 1032, 193-201	4.5	43
85	Recent advances in mass spectrometry analysis of phenolic endocrine disruptors and related compounds. <i>Mass Spectrometry Reviews</i> , 2010 , 29, 776-805	11	41
84	Determination of heterocyclic amines by pneumatically assisted electrospray liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1996 , 730, 185-94	4.5	41
83	Liquid chromatography coupled to tandem mass spectrometry for the analysis of acrylamide in typical Spanish products. <i>Talanta</i> , 2008 , 76, 389-94	6.2	38
82	Determination of acrylamide in foodstuffs by liquid chromatography ion-trap tandem mass-spectrometry using an improved clean-up procedure. <i>Analytica Chimica Acta</i> , 2006 , 559, 207-214	6.6	38
81	Determination of heterocyclic aromatic amines in meat extracts by liquid chromatography-ion-trap atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2000 , 869, 307-17	4.5	38

80	Ultra-high performance liquid chromatography-tandem mass spectrometry for the analysis of phenolic drugs and florfenicol-amine in foods. <i>Analyst, The</i> , 2012 , 137, 2486-94	5	37
79	Determination of hydroxy polycyclic aromatic hydrocarbons by liquid chromatography-mass spectrometry Comparison of atmospheric pressure chemical ionization and electrospray. <i>Journal of Chromatography A</i> , 1996 , 731, 75-84	4.5	37
78	Field-amplified sample injection-micellar electrokinetic capillary chromatography for the analysis of bisphenol A, bisphenol F, and their diglycidyl ethers and derivatives in canned soft drinks. <i>Electrophoresis</i> , 2010 , 31, 1550-9	3.6	36
77	Liquid chromatography/atmospheric pressure chemical ionization mass spectrometry for chlorinated phenolic compounds. <i>Journal of Chromatography A</i> , 1998 , 823, 241-248	4.5	36
76	Capillary electrophoresis-electrospray ion-trap mass spectrometry for the separation of chlorophenols. <i>Journal of Chromatography A</i> , 2000 , 896, 125-33	4.5	35
75	Atmospheric pressure photoionization mass spectrometry of fullerenes. <i>Analytical Chemistry</i> , 2012 , 84, 5316-26	7.8	34
74	Liquid chromatography/tandem mass spectrometry (highly selective selected reaction monitoring) for the analysis of isopropylthioxanthone in packaged food. <i>Journal of Chromatography A</i> , 2008 , 1208, 182-8	4.5	34
73	Multistep mass spectrometry of heterocyclic amines in a quadrupole ion trap mass analyser. <i>Journal of Mass Spectrometry</i> , 2002 , 37, 812-28	2.2	33
72	Direct analysis in real time high-resolution mass spectrometry for high-throughput analysis of antiparasitic veterinary drugs in feed and food. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 467-75	2.2	32
71	Determination of heterocyclic amines by liquid chromatography/quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2004 , 1054, 409-418	4.5	32
70	Determination of naphthalene-derived compounds in apples by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2013 , 782, 28-36	6.6	31
69	Liquid chromatography-electrospray mass spectrometry with in-source fragmentation for the identification and quantification of fourteen mutagenic amines in beef extracts. <i>Journal of Chromatography A</i> , 1997 , 775, 125-36	4.5	31
68	Preventing false negatives with high-resolution mass spectrometry: the benzophenone case. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 3161-6	2.2	30
67	Time-of-flight high resolution versus triple quadrupole tandem mass spectrometry for the analysis of quaternary ammonium herbicides in drinking water. <i>Analytica Chimica Acta</i> , 2004 , 525, 183-190	6.6	30
66	Metabolomic analysis of the effects of cadmium and copper treatment in <i>Oryza sativa</i> L. using untargeted liquid chromatography coupled to high resolution mass spectrometry and all-ion fragmentation. <i>Metallomics</i> , 2017 , 9, 660-675	4.5	29
65	Fast liquid chromatography/tandem mass spectrometry (highly selective selected reaction monitoring) for the determination of toltrazuril and its metabolites in food. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 2893-901	4.4	29
64	Toxic effects of bisphenol A diglycidyl ether and derivatives in human placental cells. <i>Environmental Pollution</i> , 2019 , 244, 513-521	9.3	29
63	Determination of oxygenated and nitro-substituted polycyclic aromatic hydrocarbons by HPLC and electrochemical detection. <i>Talanta</i> , 1993 , 40, 615-21	6.2	28

62	Ultra-high performance liquid chromatography-atmospheric pressure chemical ionization-tandem mass spectrometry for the analysis of benzimidazole compounds in milk samples. <i>Journal of Chromatography A</i> , 2013 , 1313, 119-31	4.5	27
61	Field amplified sample injection-capillary electrophoresis-tandem mass spectrometry for the analysis of acrylamide in foodstuffs. <i>Journal of Chromatography A</i> , 2007 , 1159, 225-32	4.5	27
60	Evaluation of reversed-phase columns for the analysis of heterocyclic aromatic amines by liquid chromatography-electrospray mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004 , 802, 45-59	3.2	27
59	Comparison of different commercial solid-phase extraction cartridges used to extract heterocyclic amines from a lyophilised meat extract. <i>Journal of Chromatography A</i> , 2000 , 880, 101-12	4.5	27
58	Fast liquid chromatography/multiple-stage mass spectrometry of coccidiostats. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 1255-63	2.2	26
57	Determination of quaternary ammonium biocides by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2004 , 1058, 89-95	4.5	26
56	Gas chromatography-tandem mass spectrometry with atmospheric pressure chemical ionization for fluorotelomer alcohols and perfluorinated sulfonamides determination. <i>Journal of Chromatography A</i> , 2015 , 1413, 107-16	4.5	25
55	Analysis of amprolium by hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010 , 1217, 5802-7	4.5	25
54	Multiple-stage mass spectrometry analysis of bisphenol A diglycidyl ether, bisphenol F diglycidyl ether and their derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 3469-77	2.2	24
53	Field amplified sample injection-capillary zone electrophoresis for the analysis of amprolium in eggs. <i>Electrophoresis</i> , 2013 , 34, 870-6	3.6	23
52	Accurate mass measurements and ultrahigh-resolution: evaluation of different mass spectrometers for daily routine analysis of small molecules in negative electrospray ionization mode. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 3595-606	4.4	23
51	High mass accuracy in-source collision-induced dissociation tandem mass spectrometry and multi-step mass spectrometry as complementary tools for fragmentation studies of quaternary ammonium herbicides. <i>Journal of Mass Spectrometry</i> , 2004 , 39, 873-83	2.2	23
50	Determination of Chlormequat in Fruit Samples by Liquid Chromatography-Electrospray-Mass Spectrometry/Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2001 , 84, 1903-1908	1.7	23
49	Pentafluorobenzyl derivatives for the gas chromatographic determination of hydroxy-polycyclic aromatic hydrocarbons in urban aerosols. <i>Journal of Chromatography A</i> , 1995 , 710, 139-147	4.5	22
48	High-performance liquid chromatography-mass spectrometry (pneumatically assisted electrospray) of hydroxy polycyclic aromatic hydrocarbons. <i>Journal of Chromatography A</i> , 1994 , 683, 9-19	4.5	22
47	Survey of the occurrence of pharmaceuticals in Spanish finished drinking waters. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 10917-39	5.1	20
46	Presence of heterocyclic aromatic amines (HAS) in smoked "Provola" cheese from Calabria (Italy). <i>Food and Chemical Toxicology</i> , 2009 , 47, 321-7	4.7	20
45	Ion-trap versus quadrupole for analysis of quaternary ammonium herbicides by LC-MS. <i>Chromatographia</i> , 2001 , 53, 273-278	2.1	20

44	Ion-molecule adduct formation in tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 1269-77	4.4	18
43	Mixed-mode liquid chromatography coupled to tandem mass spectrometry for the analysis of aminoglycosides in meat. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 4941-53	4.4	17
42	Supercritical fluid chromatography-atmospheric pressure chemical ionisation mass spectrometry for the analysis of hydroxy polycyclic aromatic hydrocarbons. <i>Journal of Chromatography A</i> , 1997 , 777, 167-176	4.5	16
41	Native Colombian Fruits and Their by-Products: Phenolic Profile, Antioxidant Activity and Hypoglycaemic Potential. <i>Foods</i> , 2019 , 8,	4.9	15
40	Determination of hydroxy-substituted polycyclic aromatic hydrocarbons by high-performance liquid chromatography with electrochemical detection. <i>Journal of Chromatography A</i> , 1995 , 715, 41-48	4.5	15
39	Determination of acridine derived compounds in charcoal-grilled meat and creosote oils by liquid chromatographic and gas chromatographic analysis. <i>Analytica Chimica Acta</i> , 1994 , 295, 307-313	6.6	15
38	Desorption electrospray ionization-high resolution mass spectrometry for the screening of veterinary drugs in cross-contaminated feedstuffs. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 7369-78	4.4	13
37	Solid-phase microextraction liquid chromatography/tandem mass spectrometry for the analysis of chlorophenols in environmental samples. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 39-48	2.2	13
36	Analysis of benzalkonium chloride by capillary electrophoresis-tandem mass spectrometry. <i>Electrophoresis</i> , 2006 , 27, 2225-32	3.6	11
35	Determination of ebrotidine and its metabolites by capillary electrophoresis with UV and mass spectrometry detection. <i>Journal of Chromatography A</i> , 2000 , 888, 281-92	4.5	11
34	A novel methodology for the determination of neutral perfluoroalkyl and polyfluoroalkyl substances in water by gas chromatography-atmospheric pressure photoionisation-high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2020 , 1100, 97-106	6.6	11
33	CEC separation of heterocyclic amines using methacrylate monolithic columns. <i>Electrophoresis</i> , 2007 , 28, 1704-13	3.6	10
32	Wide-range screening of psychoactive substances by FIA-HRMS: identification strategies. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 4567-80	4.4	9
31	Simultaneous analysis of kasugamycin and streptomycin in vegetables by liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2015 , 7, 3600-3607	3.2	9
30	Effect of solvent on the determination of oxo- and nitro-polycyclic aromatic hydrocarbons using capillary gas chromatography with splitless injection. <i>Journal of Chromatography A</i> , 1992 , 607, 287-294	4.5	9
29	Negative-ion atmospheric pressure ionisation of semi-volatile fluorinated compounds for ultra-high-performance liquid chromatography tandem mass spectrometry analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4913-4924	4.4	9
28	Liquid chromatography coupled to tandem and high resolution mass spectrometry for the characterisation of ofloxacin transformation products after titanium dioxide photocatalysis. <i>Journal of Chromatography A</i> , 2016 , 1443, 201-10	4.5	8
27	Aerosol Toxins Emitted by Harmful Algal Blooms Susceptible to Complex Air-Sea Interactions. <i>Environmental Science & Technology</i> , 2021 , 55, 468-477	10.3	8

26	Formation of new disinfection by-products of priority substances (Directive 2013/39/UE and Watch List) in drinking water treatment. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 28270-28283	5.1	7
25	Determination of capsaicinoids and carotenoids for the characterization and geographical origin authentication of paprika by UHPLC-APCI-MS/MS. <i>LWT - Food Science and Technology</i> , 2021 , 139, 110533	5.4	7
24	Simultaneous analysis of natural pigments and E-141i in olive oils by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 5577-5591	4.4	6
23	Gas chromatography and liquid chromatography coupled to mass spectrometry for the determination of fluorotelomer olefins, fluorotelomer alcohols, perfluoroalkyl sulfonamides and sulfonamido-ethanols in water. <i>Journal of Chromatography A</i> , 2020 , 1609, 460463	4.5	6
22	Determination of benzophenone and related compounds in plastic packaged baby food by ultra-high-performance liquid chromatography coupled to tandem mass spectrometry. <i>Analytical Methods</i> , 2020 , 12, 358-367	3.2	6
21	Atmospheric pressure ionization-tandem mass spectrometry of the phenicol drug family. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 1241-51	2.2	5
20	Recent advances in analytical methodologies based on mass spectrometry for the environmental analysis of halogenated organic contaminants. <i>Trends in Environmental Analytical Chemistry</i> , 2021 , 30, e00122	12	5
19	Atmospheric pressure ionization for gas chromatography-high resolution mass spectrometry determination of polychlorinated naphthalenes in marine sediments. <i>Chemosphere</i> , 2021 , 263, 127963	8.4	5
18	Modified distribution in the polyphenolic profile of rosemary leaves induced by plant inoculation with an arbuscular mycorrhizal fungus. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 2966-2973	4.3	4
17	Feasibility of gas chromatography-atmospheric pressure photoionization-high-resolution mass spectrometry for the analysis of polychlorinated dibenzo-p-dioxins, dibenzofurans, and dioxin-like polychlorinated biphenyls in environmental and feed samples. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3703-3716	4.4	3
16	Hydrophilic interaction liquid chromatography/tandem mass spectrometry for the analysis of diallyldimethylammonium chloride in water. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 379-86	2.2	3
15	Ambient ionization mass spectrometry in food analysis 2021 , 271-312		3
14	Direct Analysis of Pesticides by Stand-Alone Mass Spectrometry 2017 , 265-313		2
13	Fragmentation studies of neutral per- and polyfluoroalkyl substances by atmospheric pressure ionization-multiple-stage mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7357-7373	4.4	2
12	Analytical Methods for the Determination of Plasticizers in Food and Beverages. <i>Current Analytical Chemistry</i> , 2018 , 14, 306-324	1.7	2
11	Chloride-attachment atmospheric pressure photoionisation for the determination of short-chain chlorinated paraffins by gas chromatography-high-resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2021 , 1172, 338673	6.6	2
10	Pigment profiles of Spanish extra virgin olive oils by ultra-high-performance liquid chromatography coupled to high-resolution mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2020 , 37, 1075-1086	3.2	1
9	Analysis of hydroxylated phenylalkylamine stimulants in urine by GC-APPI-HRMS. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 7837-7850	4.4	1

8	Analysis of Dechlorane Plus and related compounds in gull eggs by GC-HRMS using a novel atmospheric pressure photoionization source. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 3421-3434	4.4	1
7	Determination of banned dyes in red spices by ultra-high-performance liquid chromatography-atmospheric pressure ionization-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2021 , 1164, 338519	6.6	1
6	Ambient Ionisation High-Resolution Mass Spectrometry: Environmental, Food, Forensic and Doping analysis. <i>Comprehensive Analytical Chemistry</i> , 2016 , 71, 51-88	1.9	1
5	Desorption electrospray ionization-high resolution mass spectrometry for the analysis of unknown materials: The phytosanitary product case. <i>Talanta</i> , 2019 , 194, 350-356	6.2	1
4	Ionic Liquid Stationary Phase for Improving Comprehensive Two-dimensional Gas Chromatographic Separation of Polychlorinated Naphthalenes. <i>Journal of Chromatography A</i> , 2021 , 1635, 461732	4.5	0
3	Ultra-high-performance liquid chromatography-atmospheric pressure ionization-tandem mass spectrometry method for the migration studies of primary aromatic amines from food contact materials.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 414, 3137	4.4	0
2	Paper spray-atmospheric pressure photoionization-high resolution mass spectrometry for the direct analysis of neutral fluorinated compounds in waterproof impregnation sprays.. <i>Analytica Chimica Acta</i> , 2022 , 1204, 339720	6.6	0
1	Liquid Chromatography Pigment Profile for Characterization and Fraud Detection in Olive Oils 2021 , 21-41		