

Miguel Angel Rodriguez-Delgado

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111 papers	5,063 citations	41 h-index	67 g-index
113 ext. papers	5,504 ext. citations	5.2 avg, IF	5.86 L-index

#	Paper	IF	Citations
111	Carbon nanotubes: Solid-phase extraction. <i>Journal of Chromatography A</i> , 2010 , 1217, 2618-41	4.5	281
110	Carbon nanotubes applications in separation science: a review. <i>Analytica Chimica Acta</i> , 2012 , 734, 1-30	6.6	264
109	Separation of phenolic compounds by high-performance liquid chromatography with absorbance and fluorimetric detection. <i>Journal of Chromatography A</i> , 2001 , 912, 249-57	4.5	260
108	Dispersive liquid-liquid microextraction for determination of organic analytes. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 728-751	14.6	219
107	Evolution and applications of the QuEChERS method. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 71, 169-185	14.6	214
106	Ionic liquid based dispersive liquid-liquid microextraction for the extraction of pesticides from bananas. <i>Journal of Chromatography A</i> , 2009 , 1216, 7336-45	4.5	138
105	Principal component analysis of the polyphenol content in young red wines. <i>Food Chemistry</i> , 2002 , 78, 523-532	8.5	129
104	Multi-walled carbon nanotubes as efficient solid-phase extraction materials of organophosphorus pesticides from apple, grape, orange and pineapple fruit juices. <i>Journal of Chromatography A</i> , 2008 , 1211, 33-42	4.5	127
103	Ionic liquid-dispersive liquid-liquid microextraction for the simultaneous determination of pesticides and metabolites in soils using high-performance liquid chromatography and fluorescence detection. <i>Journal of Chromatography A</i> , 2011 , 1218, 4808-16	4.5	105
102	Dispersive liquid-liquid microextraction combined with ultra-high performance liquid chromatography for the simultaneous determination of 25 sulfonamide and quinolone antibiotics in water samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 75, 130-7	3.5	103
101	Optimisation of sample preparation for the determination of trans-resveratrol and other polyphenolic compounds in wines by high performance liquid chromatography. <i>Analytica Chimica Acta</i> , 2001 , 428, 245-253	6.6	98
100	Evaluation of a modified QuEChERS method for the extraction of pesticides from agricultural, ornamental and forestal soils. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 2307-19	4.4	92
99	Comparison between magnetic and non magnetic multi-walled carbon nanotubes-dispersive solid-phase extraction combined with ultra-high performance liquid chromatography for the determination of sulfonamide antibiotics in water samples. <i>Talanta</i> , 2013 , 116, 695-703	6.2	91
98	Oxidized multi-walled carbon nanotubes for the dispersive solid-phase extraction of quinolone antibiotics from water samples using capillary electrophoresis and large volume sample stacking with polarity switching. <i>Journal of Chromatography A</i> , 2011 , 1218, 5352-61	4.5	83
97	Use of ammonium formate in QuEChERS for high-throughput analysis of pesticides in food by fast, low-pressure gas chromatography and liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014 , 1358, 75-84	4.5	78
96	Current trends in QuEChERS method. A versatile procedure for food, environmental and biological analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 116, 214-235	14.6	71
95	Pesticide analysis by capillary electrophoresis. <i>Journal of Separation Science</i> , 2004 , 27, 947-63	3.4	71

94	Analysis of pesticide residues in bananas harvested in the Canary Islands (Spain). <i>Food Chemistry</i> , 2009 , 113, 313-319	8.5	70
93	Determination of esters in dry and sweet white wines by headspace solid-phase microextraction and gas chromatography. <i>Journal of Chromatography A</i> , 2002 , 963, 213-23	4.5	70
92	Nanomaterials as sorbents for food sample analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 85, 203-220	206	69
91	Evaluation of multi-walled carbon nanotubes as solid-phase extraction adsorbents of pesticides from agricultural, ornamental and forestal soils. <i>Analytica Chimica Acta</i> , 2009 , 647, 167-76	6.6	68
90	Highly sensitive analysis of multiple pesticides in foods combining solid-phase microextraction, capillary electrophoresis-mass spectrometry, and chemometrics. <i>Electrophoresis</i> , 2004 , 25, 2065-76	3.6	65
89	Recent applications of nanomaterials in food safety. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 96, 172-200	206	58
88	Fluoroquinolone antibiotic determination in bovine, ovine and caprine milk using solid-phase extraction and high-performance liquid chromatography-fluorescence detection with ionic liquids as mobile phase additives. <i>Journal of Chromatography A</i> , 2009 , 1216, 7281-7	4.5	58
87	Solid-phase microextraction and sample stacking micellar electrokinetic chromatography for the analysis of pesticide residues in red wines. <i>Food Chemistry</i> , 2008 , 111, 764-770	8.5	58
86	Analysis of pesticides in soy milk combining solid-phase extraction and capillary electrophoresis-mass spectrometry. <i>Journal of Separation Science</i> , 2005 , 28, 948-56	3.4	58
85	Pesticide extraction from table grapes and plums using ionic liquid based dispersive liquid-liquid microextraction. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 2387-95	4.4	57
84	Optimization of the separation of phenolic compounds by micellar electrokinetic capillary chromatography. <i>Journal of Chromatography A</i> , 2000 , 871, 427-38	4.5	57
83	Analysis of pesticides residues in environmental water samples using multiwalled carbon nanotubes dispersive solid-phase extraction. <i>Journal of Separation Science</i> , 2013 , 36, 556-63	3.4	55
82	Dispersive liquid-liquid microextraction combined with nonaqueous capillary electrophoresis for the determination of fluoroquinolone antibiotics in waters. <i>Electrophoresis</i> , 2010 , 31, 3457-65	3.6	55
81	Combining solid-phase microextraction and on-line preconcentration-capillary electrophoresis for sensitive analysis of pesticides in foods. <i>Electrophoresis</i> , 2005 , 26, 980-9	3.6	53
80	Ionic liquids as mobile phase additives for the high-performance liquid chromatographic analysis of fluoroquinolone antibiotics in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 392, 1439-46	4.4	50
79	Sample treatments prior to capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1153, 214-26	4.5	49
78	Core-shell polydopamine magnetic nanoparticles as sorbent in micro-dispersive solid-phase extraction for the determination of estrogenic compounds in water samples prior to high-performance liquid chromatography-mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2015 , 1397, 1-10	4.5	48
77	Chromatographic analysis of natural and synthetic estrogens in milk and dairy products. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 44, 58-77	14.6	45

76	Trans-resveratrol in wines from the Canary Islands (Spain). Analysis by high performance liquid chromatography. <i>Food Chemistry</i> , 2002 , 76, 371-375	8.5	45
75	Determination of organophosphorus pesticides and metabolites in cereal-based baby foods and wheat flour by means of ultrasound-assisted extraction and hollow-fiber liquid-phase microextraction prior to gas chromatography with nitrogen phosphorus detection. <i>Journal of Chromatography A</i> , 2012 , 1218, 144-151	4.5	44
74	Determination of quinolone residues in infant and young children powdered milk combining solid-phase extraction and ultra-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 7608-14	4.5	43
73	Core-shell poly(dopamine) magnetic nanoparticles for the extraction of estrogenic mycotoxins from milk and yogurt prior to LC-MS analysis. <i>Food Chemistry</i> , 2017 , 215, 362-8	8.5	42
72	Determination of herbicides in mineral and stagnant waters at ng/L levels using capillary electrophoresis and UV detection combined with solid-phase extraction and sample stacking. <i>Journal of Chromatography A</i> , 2005 , 1070, 171-7	4.5	42
71	Deep eutectic solvents. The new generation of green solvents in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 134, 116108	14.6	41
70	Estrogenic compounds determination in water samples by dispersive liquid-liquid microextraction and micellar electrokinetic chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2014 , 1344, 109-21	4.5	40
69	Simultaneous determination of seven pesticides in waters using multi-walled carbon nanotube SPE and NACE. <i>Electrophoresis</i> , 2008 , 29, 4412-21	3.6	40
68	Hollow-fiber liquid-phase microextraction for the determination of natural and synthetic estrogens in milk samples. <i>Journal of Chromatography A</i> , 2013 , 1313, 175-84	4.5	38
67	Solute-micelle association constants and correlation of octanol-water coefficients with hydrophobicity for polycyclic aromatic hydrocarbons by micellar chromatography. <i>Chromatographia</i> , 1992 , 34, 627-635	2.1	38
66	Evaluation of the combination of a dispersive liquid-liquid microextraction method with micellar electrokinetic chromatography coupled to mass spectrometry for the determination of estrogenic compounds in milk and yogurt. <i>Electrophoresis</i> , 2015 , 36, 615-25	3.6	36
65	Content of free phenolic compounds in bananas from Tenerife (Canary Islands) and Ecuador. <i>European Food Research and Technology</i> , 2003 , 217, 287-290	3.4	36
64	Chiral analysis of pollutants and their metabolites by capillary electromigration methods. <i>Electrophoresis</i> , 2005 , 26, 3799-813	3.6	35
63	Pesticide analysis in tomatoes by solid-phase microextraction and micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2008 , 1185, 151-4	4.5	34
62	Determination of phthalic acid esters in water samples by hollow fiber liquid-phase microextraction prior to gas chromatography tandem mass spectrometry. <i>Chemosphere</i> , 2018 , 201, 254-261	8.4	33
61	Multiwalled carbon nanotubes as solid-phase extraction materials for the gas chromatographic determination of organophosphorus pesticides in waters. <i>Journal of Separation Science</i> , 2008 , 31, 3612-9	3.4	33
60	Reduced graphene oxide-coated magnetic-nanoparticles as sorbent for the determination of phthalates in environmental samples by micro-dispersive solid-phase extraction followed by ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1565, 36-47	4.5	33
59	Pesticides analysis by liquid chromatography and capillary electrophoresis. <i>Journal of Separation Science</i> , 2006 , 29, 2557-77	3.4	32

58	Analysis of oestrogenic compounds in dairy products by hollow-fibre liquid-phase microextraction coupled to liquid chromatography. <i>Food Chemistry</i> , 2014 , 149, 319-25	8.5	3 ¹
57	Determination of phthalic acid esters in water samples using core-shell poly(dopamine) magnetic nanoparticles and gas chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017 , 1530, 35-44	4.5	3 ¹
56	Insecticides extraction from banana leaves using a modified QuEChERS method. <i>Food Chemistry</i> , 2011 , 125, 1083-1090	8.5	3 ¹
55	Multiple pesticide analysis in wine by MEKC combined with solid-phase microextraction and sample stacking. <i>Electrophoresis</i> , 2007 , 28, 4072-81	3.6	3 ¹
54	Comparison of different coatings in solid-phase microextraction for the determination of organochlorine pesticides in ground water. <i>Journal of Chromatography A</i> , 2002 , 963, 95-105	4.5	3 ¹
53	Hollow-fiber liquid-phase microextraction for the determination of pesticides and metabolites in soils and water samples using HPLC and fluorescence detection. <i>Electrophoresis</i> , 2012 , 33, 2184-91	3.6	3 ⁰
52	Recent food safety and food quality applications of CE-MS. <i>Electrophoresis</i> , 2009 , 30, 1624-46	3.6	3 ⁰
51	Analysis of triazolopyrimidine herbicides in soils using field-enhanced sample injection-coelectroosmotic capillary electrophoresis combined with solid-phase extraction. <i>Journal of Chromatography A</i> , 2005 , 1100, 236-42	4.5	3 ⁰
50	Use of Basolite F300 metal-organic framework for the dispersive solid-phase extraction of phthalic acid esters from water samples prior to LC-MS determination. <i>Talanta</i> , 2019 , 195, 236-244	6.2	3 ⁰
49	MEKC combined with SPE and sample stacking for multiple analysis of pesticides in water samples at the ng/L level. <i>Electrophoresis</i> , 2007 , 28, 1805-14	3.6	28
48	Determination of pesticides in wine using micellar electrokinetic chromatography with UV detection and sample stacking. <i>Journal of Chromatography A</i> , 2007 , 1150, 348-55	4.5	28
47	Evaluation of two molecularly imprinted polymers for the solid-phase extraction of natural, synthetic and mycoestrogens from environmental water samples before liquid chromatography with mass spectrometry. <i>Journal of Separation Science</i> , 2015 , 38, 2692-9	3.4	26
46	Determination of antioxidants in edible grain derivatives from the Canary Islands by capillary electrophoresis. <i>Food Chemistry</i> , 2005 , 91, 105-111	8.5	25
45	Determination of estrogens in environmental water samples using 1,3-dipentylimidazolium hexafluorophosphate ionic liquid as extraction solvent in dispersive liquid-liquid microextraction. <i>Electrophoresis</i> , 2014 , 35, 2479-87	3.6	24
44	Rapid analysis of triazolopyrimidine sulfoanilide herbicides in waters and soils by high-performance liquid chromatography with UV detection using a C18 monolithic column. <i>Journal of Separation Science</i> , 2007 , 30, 8-14	3.4	24
43	Multiresidue analysis of oestrogenic compounds in cow, goat, sheep and human milk using core-shell polydopamine coated magnetic nanoparticles as extraction sorbent in micro-dispersive solid-phase extraction followed by ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1251, 103-11	4.4	23
42	Comparative study of the zero-crossing, ratio spectra derivative and partial least-squares methods applied to the simultaneous determination of atrazine and its degradation product desethylatrazin-2-hydroxy in ground waters. <i>Talanta</i> , 1997 , 44, 673-83	6.2	23
41	Analysis of abamectin residues in avocados by high-performance liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , 2007 , 1165, 52-7	4.5	23

40	Solute-micelle association constants of some polynuclear aromatic hydrocarbons by micellar liquid chromatography with alcohol additives to mobile phase. <i>Chromatographia</i> , 1994 , 38, 342-348	2.1	22
39	Multiresidue determination of estrogens in different dairy products by ultra-high-performance liquid chromatography triple quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2017 , 1496, 58-67	4.5	21
38	Determination of phthalates in beverages using multiwalled carbon nanotubes dispersive solid-phase extraction before HPLC-MS. <i>Journal of Separation Science</i> , 2018 , 41, 2613-2622	3.4	21
37	Optimization of a solid-phase microextraction procedure for the determination of herbicides by micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2004 , 27, 660-6	3.4	21
36	A green and simple procedure based on deep eutectic solvents for the extraction of phthalates from beverages. <i>Food Chemistry</i> , 2020 , 312, 125798	8.5	21
35	Determination of Abamectin Residues in Avocados by Microwave-Assisted Extraction and HPLC with Fluorescence Detection. <i>Chromatographia</i> , 2008 , 67, 69-75	2.1	20
34	Dispersive liquid-liquid microextraction of pesticides and metabolites from soils using 1,3-dipentylimidazolium hexafluorophosphate ionic liquid as an alternative extraction solvent. <i>Electrophoresis</i> , 2012 , 33, 1449-57	3.6	19
33	Ultrafast sodium dodecyl sulfate micellar electrokinetic chromatography with very acidic running buffers. <i>Analytical Chemistry</i> , 2002 , 74, 257-60	7.8	19
32	Content of aliphatic hydrocarbons in limpets as a new way for classification of species using artificial neural networks. <i>Chemosphere</i> , 2004 , 54, 1059-69	8.4	18
31	Application of multiwalled carbon nanotubes as sorbents for the extraction of mycotoxins in water samples and infant milk formula prior to high performance liquid chromatography mass spectrometry analysis. <i>Electrophoresis</i> , 2016 , 37, 1359-66	3.6	17
30	Pesticide analysis in rose wines by micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2007 , 30, 3240-6	3.4	17
29	Multiclass analytical method for the determination of natural/synthetic steroid hormones, phytoestrogens, and mycoestrogens in milk and yogurt. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4467-4477	4.4	14
28	Optimization of the Microwave-Assisted Saponification and Extraction of Organic Pollutants from Marine Biota Using Experimental Design and Artificial Neural Networks. <i>Chromatographia</i> , 2006 , 63, 155-160	2.1	14
27	Determination of estrogenic compounds in milk and yogurt samples by hollow-fibre liquid-phase microextraction-gas chromatography-triple quadrupole mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7447-59	4.4	13
26	Capillary electrochromatography and nano-liquid chromatography coupled to nano-electrospray ionization interface for the separation and identification of estrogenic compounds. <i>Electrophoresis</i> , 2016 , 37, 356-62	3.6	13
25	Correlations between retention data of polycyclic aromatic hydrocarbons in micellar liquid chromatography and several molecular descriptors. <i>Fresenius Journal of Analytical Chemistry</i> , 1993 , 345, 748-752		13
24	Fast determination of retinol and alpha-tocopherol in plasma by LC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 28, 991-7	3.5	12
23	Rapid Separation of Antioxidants in Food Samples by Coelectroosmotic CE. <i>Chromatographia</i> , 2005 , 62, 271-276	2.1	12

22	Fast analysis of proteins in wines by capillary gel electrophoresis. <i>European Food Research and Technology</i> , 2002 , 214, 536-540	3.4	11
21	Nanomaterials as alternative dispersants for the multiresidue analysis of phthalates in soil samples using matrix solid phase dispersion prior to ultra-high performance liquid chromatography tandem mass spectrometry. <i>Chemosphere</i> , 2019 , 236, 124377	8.4	10
20	Separation and quantitation of debrisoquine and 4-hydroxydebrisoquine in human urine by capillary electrophoresis and high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1997 , 778, 389-96	4.5	10
19	4th order derivative spectrophotometric determination of quinine in soft drinks. <i>Mikrochimica Acta</i> , 1993 , 110, 263-268	5.8	8
18	Critical review and re-assessment of analyte protectants in gas chromatography. <i>Journal of Chromatography A</i> , 2020 , 1632, 461596	4.5	8
17	Development of a Green Alternative Vortex-Assisted Dispersive Liquid-Liquid Microextraction Based on Natural Hydrophobic Deep Eutectic Solvents for the Analysis of Phthalate Esters in Soft Drinks. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2161-2170	8.3	7
16	Quality assessment of environmental water by a simple and fast non-ionic hydrophobic natural deep eutectic solvent-based extraction procedure combined with liquid chromatography tandem mass spectrometry for the determination of plastic migrants. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 1967-1981	4.4	7
15	Comparison of Pesticide Residue Levels in Red Wines from Canary Islands, Iberian Peninsula, and Cape Verde. <i>Foods</i> , 2020 , 9,	4.9	6
14	Recent Applications of Deep Eutectic Solvents in Environmental Analysis. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4779	2.6	6
13	Deep eutectic solvents 2020 , 123-177		5
12	Nano-liquid chromatography combined with a sustainable microextraction based on natural deep eutectic solvents for analysis of phthalate esters. <i>Electrophoresis</i> , 2020 , 41, 1768-1775	3.6	5
11	A simple, fast and easy methodology for the monitoring of plastic migrants in alcoholic and non-alcoholic beverages using the QuEChERS method prior to gas chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 1551-1561	4.4	4
10	Determination of polycyclic aromatic hydrocarbons in limpet samples. <i>Chromatographia</i> , 1999 , 50, 235-238		4
9	Carbon-based adsorbents 2020 , 83-127		4
8	Recent Applications of Magnetic Nanoparticles in Food Analysis. <i>Processes</i> , 2020 , 8, 1140	2.9	3
7	Application of polyaniline-based magnetic-dispersive-solid-phase microextraction combined with liquid chromatography tandem mass spectrometry for the evaluation of plastic migrants in food matrices.. <i>Journal of Chromatography A</i> , 2022 , 1670, 462988	4.5	2
6	Comparative study of the ratio spectra derivative and partial least squares methods applied to the simultaneous determination of atrazine and ametryn in ground waters. <i>Analyst, The</i> , 1996 , 121, 459-463	5	1
5	Analysis of alkylphenols, bisphenols and alkylphenol ethoxylates in microbial-fermented functional beverages and bottled water: Optimization of a dispersive liquid-liquid microextraction protocol based on natural hydrophobic deep eutectic solvents.. <i>Food Chemistry</i> , 2021 , 377, 131921	8.5	1

4	Sustainable polypyrrole-based magnetic-microextraction of phthalates from jellies and apple-based beverages prior to tandem mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2021 , 1637, 461858	4.5	1
3	Novel applications of nanotechnology in food safety assessment 2021 , 461-505		1
2	Safety assessment of citrus and olive by-products using a sustainable methodology based on natural deep eutectic solvents.. <i>Journal of Chromatography A</i> , 2022 , 1669, 462922	4.5	1
1	Estrogenic Compounds in Yogurt 2017 , 451-472		