Microscale solid phase extraction of glyphosate and am water and guava fruit extract using alumina-coated iron capillary electrophoresis and electrochemiluminescence

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Citation Report

#	Article	IF	CITATIONS
1	Determination of Glyphosate and Aminomethylphosphonic Acid in Water by LC Using a New Labeling Reagent, 4-Methoxybenzenesulfonyl Fluoride. Chromatographia, 2010, 72, 679-686.	0.7	32
2	Sample preparation methods for the determination of pesticides in foods using CEâ€UV/MS. Electrophoresis, 2010, 31, 2115-2125.	1.3	51
3	Advances and analytical applications in chemiluminescence coupled to capillary electrophoresis. Electrophoresis, 2010, 31, 1998-2027.	1.3	45
4	Extraction of environmental pollutants using magnetic nanomaterials. Analytical Methods, 2010, 2, 1874.	1.3	52
5	Analytical applications of the electrochemiluminescence of tris(2,2′-bipyridyl)ruthenium(II) coupled to capillary/microchip electrophoresis: A review. Analytica Chimica Acta, 2011, 704, 16-32.	2.6	36
6	A novel solid-state electrochemiluminescence detector for capillary electrophoresis based on tris(2,2′-bipyridyl)ruthenium(II) immobilized in Nafion/PTC-NH2 composite film. Talanta, 2011, 84, 387-392.	2.9	13
7	Preparation of a graphene-based magnetic nanocomposite for the extraction of carbamate pesticides from environmental water samples. Journal of Chromatography A, 2011, 1218, 7936-7942.	1.8	275
8	Determination of Paraquat and Diquat by Combination of Nanoparticlesâ€Based Extraction with Capillary Electrophoresis. Journal of the Chinese Chemical Society, 2011, 58, 793-797.	0.8	4
9	Capillary electrophoresis with electrochemiluminescence detection: fundamental theory, apparatus, and applications. Analytical and Bioanalytical Chemistry, 2011, 399, 3323-3343.	1.9	34
10	Preparation of polypyrrole-coated magnetic particles for micro solid-phase extraction of phthalates in water by gas chromatography–mass spectrometry analysis. Journal of Chromatography A, 2011, 1218, 1585-1591.	1.8	155
11	Capillary electrophoresis–electrochemiluminescence detection method for the analysis of ibandronate in drug formulations and human urine. Electrophoresis, 2011, 32, 2155-2160.	1.3	6
12	Determination of eight illegal drugs in human urine by combination of magnetic solidâ€phase extraction with capillary zone electrophoresis. Electrophoresis, 2011, 32, 2099-2106.	1.3	31
13	Recent advances in enrichment techniques for trace analysis in capillary electrophoresis. Electrophoresis, 2012, 33, 2933-2952.	1.3	100
14	Extraction and preconcentration of trace levels of cobalt using functionalized magnetic nanoparticles in a sequential injection lab-on-valve system with detection by electrothermal atomic absorption spectrometry. Analytica Chimica Acta, 2012, 713, 92-96.	2.6	60
15	Use of carboxylic group functionalized magnetic nanoparticles for the preconcentration of metals in juice samples prior to the determination by capillary electrophoresis. Electrophoresis, 2012, 33, 2446-2453.	1.3	14
16	Determination of Glyphosate and Its Metabolite AMPA (Aminomethylphosphonic Acid) in Cereals After Derivatization by Isotope Dilution and UPLC-MS/MSâ€. Food Analytical Methods, 2012, 5, 1177-1185.	1.3	56
17	Forty Years with Glyphosate. , 0, , .		59
18	Trace analysis of glyphosate in water by capillary electrophoresis on a chip with high sample volume loadability. Journal of Separation Science, 2012, 35, 674-680.	1.3	22

#	Article	IF	CITATIONS
19	Less common applications of monoliths: V. Monolithic scaffolds modified with nanostructures for chromatographic separations and tissue engineering. Journal of Separation Science, 2012, 35, 1266-1283.	1.3	32
20	The use of grapheneâ€based magnetic nanoparticles as adsorbent for the extraction of triazole fungicides from environmental water. Journal of Separation Science, 2012, 35, 2266-2272.	1.3	77
21	Determination of Macrolide Antibiotics Using Dispersive Liquid–Liquid Microextraction Followed by Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2012, 23, 1157-1160.	1.2	19
22	Indirect electrochemiluminescence detection of lysine and histidine separated by capillary electrophoresis based on charge displacement. Luminescence, 2013, 28, 217-221.	1.5	32
23	Preconcentration of Pb2+ by iron oxide/amino-functionalized silica core–shell magnetic nanoparticles as a novel solid-phase extraction adsorbent and its determination by flame atomic absorption spectrometry. Journal of the Iranian Chemical Society, 2013, 10, 325-332.	1.2	7
24	Dispersive micro-solid phase extraction based on self-assembling, ionic liquid-coated magnetic particles for the determination of clofentezine and chlorfenapyr in environmental water samples. Analyst, The, 2013, 138, 6834.	1.7	28
25	Recent Advances in Enhancing the Sensitivity and Resolution of Capillary Electrophoresis. Journal of Chromatographic Science, 2013, 51, 666-683.	0.7	36
26	Detection of digoxin in urine samples by surface-assisted laser desorption/ionization mass spectrometry with dispersive liquid–liquid microextraction. Talanta, 2013, 115, 123-128.	2.9	23
28	A simple and rapid screening method for glyphosate in water using flow-injection with electrochemiluminescence detection. Analytical Methods, 2013, 5, 6186.	1.3	15
29	Sequential determination of metabolites involved in the biosynthesis of aromatic amino acids after ultrasound-assisted extraction from plants and reverse LC separation. Talanta, 2013, 105, 429-434.	2.9	4
30	Determination of glyphosate and AMPA on polyesterâ€ŧoner electrophoresis microchip with contactless conductivity detection. Electrophoresis, 2013, 34, 2107-2111.	1.3	15
31	Magnetic Graphene Nanoparticles for the Preconcentration of Chloroacetanilide Herbicides from Water Samples Prior to Determination by GC-ECD. Analytical Letters, 2013, 46, 1012-1024.	1.0	19
32	Electrogenerated Chemiluminescence. Springer Briefs in Molecular Science, 2013, , .	0.1	18
33	Extraction of Imide Fungicides in Water and Juice Samples Using Magnetic Graphene Nanoparticles as Adsorbent Followed by Their Determination with Gas Chromatography and Electron Capture Detection. Analytical Sciences, 2013, 29, 325-331.	0.8	27
34	Capillary Electrophoresis: Preconcentration Techniques. , 2014, , .		0
35	Capillary electrophoresis and herbicide analysis: Present and future perspectives. Electrophoresis, 2014, 35, 2509-2519.	1.3	27
36	Synthesis and surface engineering of magnetic nanoparticles for environmental cleanup and pesticide residue analysis: A review. Journal of Separation Science, 2014, 37, 1805-1825.	1.3	164
37	Recent advances in solid-phase sorbents for sample preparation prior to chromatographic analysis. TrAC - Trends in Analytical Chemistry, 2014, 59, 26-41.	5.8	312

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38	A sequential-injection reversed-phase chromatography method for fluorimetric determination of glyphosate and aminomethylphosphonic acid. Analytical Methods, 2014, 6, 490-496.	1.3	13
39	Environmental Applications of Magnetic Nanoparticles. Frontiers of Nanoscience, 2014, , 259-307.	0.3	20
40	Molecularly imprinted polymer dedicated to the extraction of glyphosate in natural waters. Journal of Chromatography A, 2014, 1361, 1-8.	1.8	34
41	Synthesis and characterization of cross-linked molecularly imprinted polyacrylamide for the extraction/preconcentration of glyphosate and aminomethylphosphonic acid from water samples. Reactive and Functional Polymers, 2014, 83, 76-83.	2.0	32
42	Rapid determination of rivaroxaban in human urine and serum using colloidal palladium surfaceâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2015, 29, 1977-1983.	0.7	10
43	Rapid method for determination of glyphosate in groundwater using high performance liquid chromatography and solid-phase extraction after derivatization. Revista Ambiente & Ãgua, 2015, 10, .	0.1	5
44	Magnetic nanoparticle solid phase extraction-HPLC-UV for determination of deoxynivalenol in wheat flour. Analytical Methods, 2015, 7, 10266-10271.	1.3	9
45	Detection of Posaconazole by Surface-Assisted Laser Desorption/Ionization Mass Spectrometry with Dispersive Liquid–Liquid Microextraction. Journal of the American Society for Mass Spectrometry, 2015, 26, 530-533.	1.2	7
46	Surfactant-modified flowerlike layered double hydroxide-coated magnetic nanoparticles for preconcentration of phthalate esters from environmental water samples. Journal of Chromatography A, 2015, 1414, 22-30.	1.8	48
47	Magnetic Solid-Phase Extraction Based on Modified Ferum Oxides for Enrichment, Preconcentration, and Isolation of Pesticides and Selected Pollutants. Critical Reviews in Analytical Chemistry, 2015, 45, 270-287.	1.8	106
48	The role of derivatization techniques in the analysis of glyphosate and aminomethyl-phosphonic acid by chromatography. Microchemical Journal, 2015, 121, 99-106.	2.3	69
49	Magnetic solid phase extraction of glyphosate and aminomethylphosphonic acid in river water using Ti ⁴⁺ -immobilized Fe ₃ O ₄ nanoparticles by capillary electrophoresis. Analytical Methods, 2015, 7, 5862-5868.	1.3	22
50	Chromatographic Methods for Analysis of Triazine Herbicides. Critical Reviews in Analytical Chemistry, 2015, 45, 226-240.	1.8	22
51	Polythiophene-Chitosan Magnetic Nanocomposite as a Highly Efficient Medium for Isolation of Fluoxetine from Aqueous and Biological Samples. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-11.	0.7	3
52	Analysis of glyphosate and aminomethylphosphonic acid in water, plant materials and soil. Pest Management Science, 2016, 72, 423-432.	1.7	65
53	Biosensors based on oxidative enzymes for detection of environmental pollutants. Biocatalysis, 2016, 1, .	2.3	16
54	Recent development of electrochemiluminescence sensors for food analysis. Analytical and Bioanalytical Chemistry, 2016, 408, 7035-7048.	1.9	76
55	Polythiophene–Chitosan Magnetic Nanocomposite as a Novel Sorbent for Disperse Magnetic Solid Phase Extraction of Triazine Herbicides in Aquatic Media. Chromatographia, 2016, 79, 1177-1185.	0.7	20

CITATION REPORT

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56	Zirconium(IV) functionalized magnetic nanocomposites for extraction of organophosphorus pesticides from environmental water samples. Journal of Chromatography A, 2016, 1456, 49-57.	1.8	31
57	Rapid determination of copper and lead in Panax notoginseng by magnetic solid-phase extraction and flame atomic absorption spectrometry. Research on Chemical Intermediates, 2016, 42, 4985-4998.	1.3	22
58	Applications of capillary electrophoresis with chemiluminescence detection in clinical, environmental and food analysis. A review. Analytica Chimica Acta, 2016, 913, 22-40.	2.6	57
59	Metal oxides in sample pretreatment. TrAC - Trends in Analytical Chemistry, 2016, 80, 41-56.	5.8	59
60	Determination of immunosuppressive drugs in human urine and serum by surface-assisted laser desorption/ionization mass spectrometry with dispersive liquid-liquid microextraction. Analytical and Bioanalytical Chemistry, 2016, 408, 629-637.	1.9	13
61	Nanomaterials for sample pretreatment prior to capillary electrophoretic analysis. Analyst, The, 2017, 142, 849-857.	1.7	7
62	Surfactantâ€assisted dispersive liquid–liquid microextraction combined with fieldâ€amplified sample stacking in capillary electrophoresis for the determination of mexiletine and lidocaine. Journal of Separation Science, 2017, 40, 2406-2415.	1.3	20
63	Electrochemiluminescent detection of glyphosate using electrodes modified with self-assembled monolayers. Analytical Methods, 2017, 9, 2452-2457.	1.3	9
64	Preliminary recovery study of a commercial molecularly imprinted polymer for the extraction of glyphosate and AMPA in different environmental waters using MS. Environmental Science and Pollution Research, 2017, 24, 12293-12300.	2.7	22
65	Sulfhydryl-functionalised magnetic nanoparticles as sorbent in dispersive solid-phase extraction for the rapid enrichment of mercury species from natural water samples. International Journal of Environmental Analytical Chemistry, 2017, 97, 657-672.	1.8	8
66	Modified Magnetic Nanoparticles as a Novel Sorbent for Dispersive Magnetic Solid-Phase Extraction of Triazine Herbicides in Aqueous Media. Journal of AOAC INTERNATIONAL, 2017, 100, 198-205.	0.7	7
67	A review of extraction, analytical and advanced methods for determination of pesticides in environment and foodstuffs. Trends in Food Science and Technology, 2018, 71, 188-201.	7.8	279
68	Voltammetric sensor based on Pt nanoparticles suported MWCNT for determination of pesticide clomazone in water samples. Journal of the Taiwan Institute of Chemical Engineers, 2019, 105, 115-123.	2.7	12
69	Field-amplified sample injection and sweeping micellar electrokinetic chromatography in analysis of glyphosate and aminomethylphosphonic acid in wheat. Journal of Chromatography A, 2019, 1601, 357-364.	1.8	23
70	Solid-Phase Extraction of Glyphosate in the Analyses of Environmental, Plant, and Food Samples. Chromatographia, 2019, 82, 1121-1138.	0.7	17
71	A simple liquid chromatography-high resolution mass spectrometry method for the determination of glyphosate and aminomethylphosphonic acid in human urine using cold-induced phase separation and hydrophilic pipette tip solid-phase extraction. Journal of Chromatography A, 2019, 1587, 73-78.	1.8	23
72	Magnetite nanoparticles as efficient materials for removal of glyphosate from water. Nature Sustainability, 2020, 3, 129-135.	11.5	72
73	Extraction and determination of pesticide residues in water using carbon nanotubes coupled with gas chromatography-mass spectroscopy. Korean Journal of Chemical Engineering, 2020, 37, 1042-1049.	1.2	4

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75	Glyphosate uptake, translocation, resistance emergence in crops, analytical monitoring, toxicity and degradation: a review. Environmental Chemistry Letters, 2020, 18, 663-702.	8.3	113
76	Liquid–liquid microextraction of glyphosate, glufosinate and aminomethylphosphonic acid for the analysis of agricultural samples by liquid chromatography. Analytical Methods, 2020, 12, 2039-2045.	1.3	4
77	An extensive review on the consequences of chemical pesticides on human health and environment. Journal of Cleaner Production, 2021, 283, 124657.	4.6	523
78	Voltammetric Detection of Aqueous Glyphosate on a Copper and Poly(Pyrrole)â€electromodified Activated Carbon Fiber. Electroanalysis, 2021, 33, 916-924.	1.5	8
79	Application of Functional Magnetic Nanoparticles for Separation of Target Materials: A Review. Current Nanoscience, 2022, 18, 554-570.	0.7	2
80	Titanium dioxide-coated core-shell silica microspheres-based solid-phase extraction combined with sheathless capillary electrophoresis-mass spectrometry for analysis of glyphosate, glufosinate and their metabolites in baby foods. Journal of Chromatography A, 2021, 1659, 462519.	1.8	12
81	Dispersive liquidâ€liquid microextraction method combined with sugaringâ€out homogeneous liquidâ€liquid extraction for the determination of some pesticides in molasses samples. Journal of Separation Science, 2021, 44, 4151-4166.	1.3	13
82	Analytical Detection of Pesticides, Pollutants, and Pharmaceutical Waste in the Environment. Environmental Chemistry for A Sustainable World, 2020, , 87-129.	0.3	6
83	Comparative Study of Glyphosate and AMPA Determination in Environmental Samples by Two Green Methods. Open Access Library Journal (oalib), 2015, 02, 1-11.	0.1	2
84	Extraction of Phthalate Esters in Environmental Water Samples Using Layered-Carbon Magnetic Hybrid Material as Adsorbent Followed by Their Determination with HPLC. Bulletin of the Korean Chemical Society, 2012, 33, 3311-3316.	1.0	12
85	Herbicides - Properties, Synthesis and Control of Weeds. , 2012, , .		16
86	Glyphosate Residues in Soil and Air: An Integrated Review. , 0, , .		11
87	Coupling of ECL with Different Techniques. Springer Briefs in Molecular Science, 2013, , 61-106.	0.1	0
88	Cost-Effective Methods of Monitoring Pesticide Pollution in Water. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 236-256.	0.3	0
89	Utilization of Biosensors for Environment Monitoring. Environmental and Microbial Biotechnology, 2020, , 299-316.	0.4	1
90	Glyphosate Use, Toxicity and Occurrence in Food. Foods, 2021, 10, 2785.	1.9	45
91	Applications of hybrid nanoparticles to improve environmental monitoring. , 2022, , 147-172.		0
92	Ag-EDTA-Zr and Au-EDTA-Zr Nanocomposites for the Quantitative Determination of Some Organophosphate Pesticides in Water and Tomatoes. Journal of AOAC INTERNATIONAL, 2022, , .	0.7	0

CITATION REPORT

#	Article	IF	CITATIONS
93	Organophosphorus pesticides: Impacts, detection and removal strategies. Environmental Nanotechnology, Monitoring and Management, 2022, 17, 100655.	1.7	20
94	Determination of Glyphosate and AMPA in Food Samples Using Membrane Extraction Technique for Analytes Preconcentration. Membranes, 2022, 12, 20.	1.4	1
95	Assessment of bioaccumulation of glyphosate and aminomethylphosphonic acid in marine mussels using capillary electrophoresis with lightâ€emitting diodeâ€induced fluorescence detection. Journal of Chromatography A, 2022, 1681, 463452.	1.8	8
96	Ti4+ modified melamine foam in the pipette tip for effective solid-phase extraction of glyphosate in aqueous samples. Microchemical Journal, 2023, 187, 108342.	2.3	3
97	Review of extraction and detection techniques for the analysis of pesticide residues in fruits to evaluate food safety and make legislative decisions: Challenges and anticipations. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2023, 1215, 123587.	1.2	9