

Fernando Maya

List of Publications by Citations

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

71
papers

2,043
citations

27
h-index

41
g-index

77
ext. papers

2,329
ext. citations

5.8
avg, IF

5.33
L-index

#	Paper	IF	Citations
71	Magnetic solid-phase extraction using metal-organic frameworks (MOFs) and their derived carbons. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 90, 142-152	14.6	184
70	Preparation of porous polymer monoliths featuring enhanced surface coverage with gold nanoparticles. <i>Journal of Chromatography A</i> , 2012 , 1261, 121-8	4.5	110
69	Lab in a syringe: fully automated dispersive liquid-liquid microextraction with integrated spectrophotometric detection. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 909-17	4.4	82
68	A new approach to the preparation of large surface area poly(styrene-co-divinylbenzene) monoliths via knitting of loose chains using external crosslinkers and application of these monolithic columns for separation of small molecules. <i>Polymer</i> , 2014 , 55, 340-346	3.9	70
67	Automated in-syringe dispersive liquid-liquid microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 59, 1-8	14.6	68
66	Completely automated in-syringe dispersive liquid-liquid microextraction using solvents lighter than water. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 1383-8	4.4	64
65	Automatic determination of copper by in-syringe dispersive liquid-liquid microextraction of its bathocuproine-complex using long path-length spectrophotometric detection. <i>Talanta</i> , 2012 , 99, 349-56	6.2	64
64	Automatic In-Syringe Dispersive Microsolid Phase Extraction Using Magnetic Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2015 , 87, 7545-9	7.8	61
63	Improving the chemiluminescence-based determination of sulphide in complex environmental samples by using a new, automated multi-syringe flow injection analysis system coupled to a gas diffusion unit. <i>Analytica Chimica Acta</i> , 2007 , 601, 87-94	6.6	61
62	Growth of a Highly Porous Coordination Polymer on a Macroporous Polymer Monolith Support for Enhanced Immobilized Metal Ion Affinity Chromatographic Enrichment of Phosphopeptides. <i>Advanced Functional Materials</i> , 2014 , 24, 5790-5797	15.6	54
61	Pollution pathways of pharmaceutical residues in the aquatic environment on the island of Mallorca, Spain. <i>Archives of Environmental Contamination and Toxicology</i> , 2013 , 65, 56-66	3.2	50
60	Interfacing on-line solid phase extraction with monolithic column multisyringe chromatography and chemiluminescence detection: An effective tool for fast, sensitive and selective determination of thiazide diuretics. <i>Talanta</i> , 2010 , 80, 1333-40	6.2	48
59	Metal-organic framework mixed-matrix disks: Versatile supports for automated solid-phase extraction prior to chromatographic separation. <i>Journal of Chromatography A</i> , 2017 , 1488, 1-9	4.5	45
58	UiO-66 derived etched carbon/polymer membranes: High-performance supports for the extraction of organic pollutants from water. <i>Chemical Engineering Journal</i> , 2018 , 346, 85-93	14.7	40
57	Nanoporous Polymers from Cross-Linked Polymer Precursors via tert-Butyl Group Deprotection and Their Carbon Dioxide Capture Properties. <i>Chemistry of Materials</i> , 2015 , 27, 7388-7394	9.6	39
56	3D printed device for the automated preconcentration and determination of chromium (VI). <i>Talanta</i> , 2018 , 184, 15-22	6.2	38
55	Recent advances in flow-based automated solid-phase extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 370-380	14.6	36

54	Porous polymer monoliths with large surface area and functional groups prepared via copolymerization of protected functional monomers and hypercrosslinking. <i>Journal of Chromatography A</i> , 2013 , 1317, 32-8	4.5	35
53	Submicrometric Magnetic Nanoporous Carbons Derived from Metal-Organic Frameworks Enabling Automated Electromagnet-Assisted Online Solid-Phase Extraction. <i>Analytical Chemistry</i> , 2016 , 88, 6990-5	7.8	34
52	Fully-automated in-syringe dispersive liquid-liquid microextraction for the determination of caffeine in coffee beverages. <i>Food Chemistry</i> , 2016 , 212, 759-67	8.5	33
51	Improved spectrophotometric determination of paraquat in drinking waters exploiting a Multisyringe liquid core waveguide system. <i>Talanta</i> , 2011 , 85, 588-95	6.2	32
50	3D printed device including disk-based solid-phase extraction for the automated speciation of iron using the multisyringe flow injection analysis technique. <i>Talanta</i> , 2017 , 175, 463-469	6.2	31
49	Nanoparticle-Directed Metal-Organic Framework/Porous Organic Polymer Monolithic Supports for Flow-Based Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1728-1736	9.5	30
48	Metal-organic framework mixed-matrix coatings on 3D printed devices. <i>Applied Materials Today</i> , 2019 , 16, 21-27	6.6	30
47	Incorporation of zeolitic imidazolate framework (ZIF-8)-derived nanoporous carbons in methacrylate polymeric monoliths for capillary electrochromatography. <i>Talanta</i> , 2017 , 164, 348-354	6.2	30
46	Multisyringe ion chromatography with chemiluminescence detection for the determination of oxalate in beer and urine samples. <i>Mikrochimica Acta</i> , 2011 , 173, 33-41	5.8	30
45	Zeolitic imidazolate framework dispersions for the fast and highly efficient extraction of organic micropollutants. <i>RSC Advances</i> , 2015 , 5, 28203-28210	3.7	27
44	Automated dispersive liquid-liquid microextraction based on the solidification of the organic phase. <i>Talanta</i> , 2018 , 189, 241-248	6.2	27
43	Emerging materials for sample preparation. <i>Journal of Separation Science</i> , 2018 , 41, 262-287	3.4	26
42	Hydrophobic magnetic montmorillonite composite material for the efficient adsorption and microextraction of bisphenol A from water samples. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 4062-4071	6.8	25
41	Flow analysis techniques as effective tools for the improved environmental analysis of organic compounds expressed as total indices. <i>Talanta</i> , 2010 , 81, 1-8	6.2	25
40	Determination of ppb-level phenol index using in-syringe dispersive liquid-liquid microextraction and liquid waveguide capillary cell spectrophotometry. <i>Mikrochimica Acta</i> , 2012 , 179, 91-98	5.8	23
39	Nanoparticle-templated hierarchically porous polymer/zeolitic imidazolate framework as a solid-phase microextraction coatings. <i>Journal of Chromatography A</i> , 2018 , 1567, 55-63	4.5	23
38	In-syringe dispersive SPE of estrogens using magnetic carbon microparticles obtained from zeolitic imidazolate frameworks. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 225-234	4.4	22
37	Automated growth of metal-organic framework coatings on flow-through functional supports. <i>Chemical Communications</i> , 2015 , 51, 8169-72	5.8	22

36	UV and visible activation of Cr(III)-doped TiO catalyst prepared by a microwave-assisted sol-gel method during MCPA degradation. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 12673-12682 ^{5.1}	5.1	21
35	Porogens and porogen selection in the preparation of porous polymer monoliths. <i>Journal of Separation Science</i> , 2020 , 43, 56-69	3.4	21
34	Metal Oxide Assisted Preparation of Core-Shell Beads with Dense Metal-Organic Framework Coatings for the Enhanced Extraction of Organic Pollutants. <i>Chemistry - A European Journal</i> , 2016 , 22, 11770-7	4.8	20
33	Automated solid-phase extraction of organic pollutants using melamine-formaldehyde polymer-derived carbon foams. <i>RSC Advances</i> , 2016 , 6, 48558-48565	3.7	20
32	Immobilization of Metal-Organic Frameworks on Supports for Sample Preparation and Chromatographic Separation. <i>Chromatographia</i> , 2019 , 82, 361-375	2.1	20
31	Ordered macro/micro-porous metal-organic framework of type ZIF-8 in a steel fiber as a sorbent for solid-phase microextraction of BTEX. <i>Mikrochimica Acta</i> , 2019 , 186, 425	5.8	19
30	Automated multisyringe stir bar sorptive extraction using robust montmorillonite/epoxy-coated stir bars. <i>Journal of Chromatography A</i> , 2016 , 1445, 10-8	4.5	19
29	Spectrophotometric determination of chloride in waters using a multisyringe flow injection system. <i>Talanta</i> , 2008 , 74, 1534-8	6.2	18
28	A three-dimensional printed electromembrane extraction device for capillary electrophoresis. <i>Journal of Chromatography A</i> , 2019 , 1595, 215-220	4.5	18
27	Multisyringe flow injection analysis hyphenated with liquid core waveguides for the development of cleaner spectroscopic analytical methods: improved determination of chloride in waters. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 394, 1577-83	4.4	17
26	In-syringe extraction using dissolvable layered double hydroxide-polymer sponges templated from hierarchically porous coordination polymers. <i>Journal of Chromatography A</i> , 2016 , 1453, 1-9	4.5	17
25	Nanoporous hypercrosslinked polymers containing Tg enhancing comonomers. <i>Polymer</i> , 2015 , 59, 42-48 ^{3.9}	3.9	16
24	3D Printing in analytical sample preparation. <i>Journal of Separation Science</i> , 2020 , 43, 1854-1866	3.4	16
23	Newly developed poly(allyl glycidyl ether/divinyl benzene) polymer for phosphopeptides enrichment and desalting of biofluids. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3536-45	9.5	14
22	Spectrophotometric determination of bromide in water using the multisyringe flow injection analysis technique coupled to a gas-diffusion unit. <i>Analytical Methods</i> , 2015 , 7, 4202-4208	3.2	13
21	Automated solid-phase extraction of phenolic acids using layered double hydroxide-alumina-polymer disks. <i>Journal of Separation Science</i> , 2018 , 41, 2012-2019	3.4	12
20	Multisyringe Flow Injection Technique for Development of Green Spectroscopic Analytical Methodologies. <i>Spectroscopy Letters</i> , 2009 , 42, 312-319	1.1	12
19	Hyperporous carbon-coated 3D printed devices. <i>Applied Materials Today</i> , 2019 , 14, 29-34	6.6	12

18	Automated on-line monitoring of the TiO ₂ -based photocatalytic degradation of dimethyl phthalate and diethyl phthalate. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 863-870	4.2	11
17	Direct photoimmobilization of extraction disks on "green state" 3D printed devices. <i>Talanta</i> , 2019 , 202, 67-73	6.2	11
16	Flow system for the automatic screening of the effect of phenolic compounds on the luminol-hydrogen peroxide-peroxidase chemiluminescence system. <i>Luminescence</i> , 2011 , 26, 571-8	2.5	11
15	Possibilities and limitations of the sequential injection chromatography technique for the determination of anticoccidial agents in water, pharmaceutical formulations and feed. <i>Microchemical Journal</i> , 2011 , 98, 190-199	4.8	11
14	Completely automated system for determining halogenated organic compounds by multisyringe flow injection analysis. <i>Analytical Chemistry</i> , 2008 , 80, 5799-805	7.8	10
13	Recent strategies to enhance the performance of polymer monoliths for analytical separations. <i>Journal of Separation Science</i> , 2019 , 42, 1564-1576	3.4	10
12	Synthesis of Cr-doped TiO ₂ nanoparticles: characterization and evaluation of their visible photocatalytic performance and stability. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 144-153	2.6	10
11	Scalable 3D printing method for the manufacture of single-material fluidic devices with integrated filter for point of collection colourimetric analysis. <i>Analytica Chimica Acta</i> , 2021 , 1151, 238101	6.6	9
10	Automatic flow kinetic-catalytic methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 85, 33-45	14.6	6
9	Kinetic-photometric monitoring of the formation of MnO ₂ nanoparticles and their application to the determination of iodide. <i>Mikrochimica Acta</i> , 2016 , 183, 3127-3134	5.8	5
8	In-situ growth of metal-organic frameworks in a reactive 3D printable material. <i>Applied Materials Today</i> , 2021 , 22, 100930	6.6	5
7	Rapid Additive Manufacturing of 3D Geometric Structures via Dual-Wavelength Polymerization. <i>ACS Macro Letters</i> , 2020 , 9, 1409-1414	6.6	4
6	Nanoparticle@Metal-Organic Frameworks as a Template for Hierarchical Porous Carbon Sponges. <i>Chemistry - A European Journal</i> , 2018 , 24, 13450-13456	4.8	4
5	Zeolitic imidazolate frameworks in analytical sample preparation. <i>Journal of Separation Science</i> , 2021 , 44, 1203-1219	3.4	3
4	Preparation of Highly Porous Coordination Polymer Coatings on Macroporous Polymer Monoliths for Enhanced Enrichment of Phosphopeptides. <i>Journal of Visualized Experiments</i> , 2015 , e52926	1.6	2
3	Flow-based determination of lead exploiting in-syringe dispersive liquid-liquid micro-extraction in xylene and integrated spectrophotometric detection. <i>Talanta</i> , 2022 , 123528	6.2	1
2	Miniaturized 3D printed solid-phase extraction cartridges with integrated porous frits.. <i>Analytica Chimica Acta</i> , 2022 , 1208, 339790	6.6	0
1	Continuous-Flow Extraction 2020 , 745-781		

