

Antonio MartÃ-n-Esteban

List of Publications by Year in descending order

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89
papers

5,272
citations

71061

41
h-index

82499

72
g-index

93
all docs

93
docs citations

93
times ranked

3776
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecularly imprinted polymers for solid-phase extraction and solid-phase microextraction: Recent developments and future trends. <i>Journal of Chromatography A</i> , 2007, 1152, 32-40.	1.8	496
2	Molecularly imprinted polymers for sample preparation: A review. <i>Analytica Chimica Acta</i> , 2010, 668, 87-99.	2.6	433
3	Molecularly-imprinted polymers as a versatile, highly selective tool in sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 45, 169-181.	5.8	330
4	Molecularly Imprinted Polymeric Fibers for Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2007, 79, 3099-3104.	3.2	199
5	Molecularly imprinted polymers: new molecular recognition materials for selective solid-phase extraction of organic compounds. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 370, 795-802.	1.5	181
6	Molecularly imprinted polymers: towards highly selective stationary phases in liquid chromatography and capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1876-1886.	1.9	146
7	Molecularly imprinted polymers-based microextraction techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 574-586.	5.8	146
8	Inductively coupled plasma-optical emission spectrometry/mass spectrometry for the determination of Cu, Ni, Pb and Zn in seawater after ionic imprinted polymer based solid phase extraction. <i>Talanta</i> , 2009, 79, 723-729.	2.9	126
9	Molecular Recognition in a Propazine-imprinted Polymer and Its Application to the Determination of Triazines in Environmental Samples. <i>Analytical Chemistry</i> , 2001, 73, 5133-5141.	3.2	125
10	Multiresidue analysis of quinolones and fluoroquinolones in soil by ultrasonic-assisted extraction in small columns and HPLC-UV. <i>Analytica Chimica Acta</i> , 2006, 562, 30-35.	2.6	121
11	Highly selective fenuron-imprinted polymer with a homogeneous binding site distribution prepared by precipitation polymerisation and its application to the clean-up of fenuron in plant samples. <i>Analytica Chimica Acta</i> , 2003, 482, 165-173.	2.6	119
12	Molecular imprinting-based separation methods for selective analysis of fluoroquinolones in soils. <i>Journal of Chromatography A</i> , 2007, 1172, 97-104.	1.8	115
13	Assessment of the cross-reactivity and binding sites characterisation of a propazine-imprinted polymer using the Langmuir-Freundlich isotherm. <i>Analyst, The</i> , 2003, 128, 137-141.	1.7	96
14	HPLC imprinted-stationary phase prepared by precipitation polymerisation for the determination of thiabendazole in fruit. <i>Analyst, The</i> , 2005, 130, 1601.	1.7	95
15	Synthesis and evaluation of new propazine-imprinted polymer formats for use as stationary phases in liquid chromatography. <i>Analytica Chimica Acta</i> , 2005, 542, 38-46.	2.6	88
16	Molecularly imprinted polymer for the extraction of parabens from environmental solid samples prior to their determination by high performance liquid chromatography-ultraviolet detection. <i>Talanta</i> , 2010, 80, 1782-1788.	2.9	87
17	Clean-up of triazines in vegetable extracts by molecularly-imprinted solid-phase extraction using a propazine-imprinted polymer. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 491-496.	1.9	85
18	Selective high performance liquid chromatography imprinted-stationary phases for the screening of phenylurea herbicides in vegetable samples. <i>Journal of Chromatography A</i> , 2005, 1098, 116-122.	1.8	84

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19	Characterisation and quality assessment of binding sites on a propazine-imprinted polymer prepared by precipitation polymerisation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 802, 347-353.	1.2	81
20	Molecularly imprinted polymers for solid-phase microextraction. <i>Journal of Separation Science</i> , 2009, 32, 3278-3284.	1.3	77
21	Evaluation of new selective molecularly imprinted polymers prepared by precipitation polymerisation for the extraction of phenylurea herbicides. <i>Journal of Chromatography A</i> , 2005, 1069, 173-181.	1.8	75
22	Semi-covalent imprinted polymer using propazine methacrylate as template molecule for the clean-up of triazines in soil and vegetable samples. <i>Journal of Chromatography A</i> , 2006, 1114, 255-262.	1.8	75
23	Molecularly imprinted polymer-hollow fiber microextraction of hydrophilic fluoroquinolone antibiotics in environmental waters and urine samples. <i>Journal of Chromatography A</i> , 2019, 1587, 42-49.	1.8	75
24	Molecularly imprinted polymer monolith containing magnetic nanoparticles for the stir-bar sorptive extraction of thiabendazole and carbendazim from orange samples. <i>Analytica Chimica Acta</i> , 2019, 1045, 117-122.	2.6	73
25	Synthesis, characterization and evaluation of ionic-imprinted polymers for solid-phase extraction of nickel from seawater. <i>Analytica Chimica Acta</i> , 2008, 630, 1-9.	2.6	69
26	Supported liquid membrane-protected molecularly imprinted fibre for solid-phase microextraction of thiabendazole. <i>Analytica Chimica Acta</i> , 2011, 694, 83-89.	2.6	65
27	Recent molecularly imprinted polymer-based sample preparation techniques in environmental analysis. <i>Trends in Environmental Analytical Chemistry</i> , 2016, 9, 8-14.	5.3	63
28	Ionic imprinted polymer for nickel recognition by using the bi-functionalized 5-vinyl-8-hydroxyquinoline as a monomer: Application as a new solid phase extraction support. <i>Microchemical Journal</i> , 2009, 93, 225-231.	2.3	60
29	Chromatographic performance of molecularly imprinted polymers: Core-shell microspheres by precipitation polymerization and grafted MIP films via iniferter-modified silica beads. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1058-1066.	2.5	60
30	Supported liquid membrane-protected molecularly imprinted beads for micro-solid phase extraction of sulfonamides in environmental waters. <i>Journal of Chromatography A</i> , 2014, 1357, 158-164.	1.8	60
31	Selective sample preparation for the analysis of (fluoro)quinolones in baby food: molecularly imprinted polymers versus anion-exchange resins. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 899-905.	1.9	58
32	Molecularly imprinted polymer monolith containing magnetic nanoparticles for the stir-bar sorptive extraction of triazines from environmental soil samples. <i>Journal of Chromatography A</i> , 2016, 1469, 1-7.	1.8	57
33	Clean up of phenylurea herbicides in plant sample extracts using molecularly imprinted polymers. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 1234-1240.	1.9	51
34	Removal of atrazine and four organophosphorus pesticides from environmental waters by diatomaceous earth remediation method. <i>Journal of Environmental Monitoring</i> , 2000, 2, 420-423.	2.1	50
35	Molecularly imprinted polymer-coated hollow fiber membrane for the microextraction of triazines directly from environmental waters. <i>Journal of Chromatography A</i> , 2016, 1442, 12-18.	1.8	49
36	Miniaturized analytical methods for determination of environmental contaminants of emerging concern – A review. <i>Analytica Chimica Acta</i> , 2021, 1158, 238108.	2.6	49

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37	Supported liquid membrane-protected molecularly imprinted beads for the solid phase micro-extraction of triazines from environmental waters. <i>Journal of Chromatography A</i> , 2016, 1432, 1-6.	1.8	48
38	Microwave-assisted extraction method for the determination of atrazine and four organophosphorus pesticides in oranges by gas chromatography (GC). <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 367, 291-294.	1.5	47
39	Molecularly imprinted stir bars for selective extraction of thiabendazole in citrus samples. <i>Journal of Separation Science</i> , 2012, 35, 2962-2969.	1.3	45
40	Molecularly imprinted polymer grafted to porous polyethylene frits: A new selective solid-phase extraction format. <i>Journal of Chromatography A</i> , 2011, 1218, 7065-7070.	1.8	44
41	Electrothermal Vaporization " Inductively Coupled Plasma" Mass Spectrometry (ETV-ICP-MS): A Valuable Tool for Direct Multielement Determination in Solid Samples. <i>Critical Reviews in Analytical Chemistry</i> , 2003, 33, 43-55.	1.8	41
42	Electrosynthesis of molecularly imprinted polypyrrole for the antibiotic levofloxacin. <i>Thin Solid Films</i> , 2012, 520, 1938-1943.	0.8	39
43	Stability of fluoroquinolone antibiotics in river water samples and in octadecyl silica solid-phase extraction cartridges. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 123-8.	1.9	37
44	Molecular imprinting technology in capillary electrochromatography. <i>Journal of Separation Science</i> , 2005, 28, 719-728.	1.3	37
45	Synthesis of core-shell molecularly imprinted polymer microspheres by precipitation polymerization for the inline molecularly imprinted solid-phase extraction of thiabendazole from citrus fruits and orange juice samples. <i>Journal of Separation Science</i> , 2011, 34, 217-224.	1.3	36
46	Hollow fiber membrane-protected molecularly imprinted microspheres for micro solid-phase extraction and clean-up of thiabendazole in citrus samples. <i>Journal of Chromatography A</i> , 2018, 1531, 39-45.	1.8	36
47	Hollow fibre liquid-phase microextraction of parabens from environmental waters. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 727-738.	1.8	34
48	Mixed Immunosorbent for Selective On-line Trace Enrichment and Liquid Chromatography of Phenylurea Herbicides in Environmental Waters. <i>Analyst, The</i> , 1997, 122, 1113-1118.	1.7	33
49	Effect of template size on the selectivity of molecularly imprinted polymers for phenylurea herbicides. <i>Chromatographia</i> , 2001, 53, S434-S437.	0.7	32
50	Preparation of molecularly imprinted polymeric fibers using a single bifunctional monomer for the solid-phase microextraction of parabens from environmental solid samples. <i>Journal of Separation Science</i> , 2016, 39, 552-558.	1.3	32
51	Molecularly Imprinted Polymer-Quantum Dot Materials in Optical Sensors: An Overview of Their Synthesis and Applications. <i>Biosensors</i> , 2021, 11, 79.	2.3	31
52	Immunoaffinity-based extraction of phenylurea herbicides using mixed antibodies against isoproturon and chlortoluron. <i>Chromatographia</i> , 1997, 45, 364-368.	0.7	29
53	The application of the supported liquid membrane and molecularly imprinted polymers as solid acceptor phase for selective extraction of biochanin A from urine. <i>Journal of Chromatography A</i> , 2019, 1599, 9-16.	1.8	26
54	Baker's Yeast Biomass (<i>Saccharomyces cerevisiae</i>) for Selective On-Line Trace Enrichment and Liquid Chromatography of Polar Pesticides in Water. <i>Analytical Chemistry</i> , 1997, 69, 3267-3271.	3.2	25

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55	Evaluation of electrochemically synthesized sulfadimethoxine-imprinted polymer for solid-phase microextraction of sulfonamides. <i>Journal of Molecular Recognition</i> , 2014, 27, 415-420.	1.1	25
56	Molecularly imprinted polymers. , 2020, , 215-233.		25
57	On-line preconcentration of aluminium with immobilized Chromotrope 2B for the determination by flame atomic absorption spectrometry and inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 1995, 304, 121-126.	2.6	24
58	Selective Molecularly Imprinted Polymer Obtained from a Combinatorial Library for the Extraction of Bisphenol A. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2006, 9, 747-751.	0.6	22
59	Immunosorbents: A new tool for pesticide sample handling in environmental analysis. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 357, 927-933.	1.5	21
60	Molecularly imprinted magnetic nanoparticles for the micro solid-phase extraction of thiabendazole from citrus samples. <i>Journal of Separation Science</i> , 2017, 40, 2638-2644.	1.3	21
61	Synthesis and evaluation of molecularly imprinted polymers for organotin compounds: a screening method for tributyltin detection in seawater. <i>Analytica Chimica Acta</i> , 2005, 531, 33-39.	2.6	20
62	Molecularly imprinted polymer for selective extraction of endocrine disrupters nonylphenol and its ethoxylated derivates from environmental solids. <i>Journal of Separation Science</i> , 2008, 31, 2492-2499.	1.3	20
63	Molecular imprinting technology: a simple way of synthesizing biomimetic polymeric receptors. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1875-1875.	1.9	19
64	Molecularly imprinted core-shell magnetic nanoparticles for selective extraction of triazines in soils. <i>Journal of Molecular Recognition</i> , 2017, 30, e2593.	1.1	18
65	Correcting sensitivity drift during long-term multi-element signal measurements by solid sampling-ETV-ICP-MS. <i>Talanta</i> , 2004, 63, 667-673.	2.9	17
66	Determination of trace metals in waters and compost by on-line precipitation coupled to flame atomic absorption spectrophotometry or ion chromatography. <i>Talanta</i> , 1999, 48, 959-966.	2.9	14
67	Membrane-protected molecularly imprinted polymers: Towards selectivity improvement of liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 138, 116236.	5.8	14
68	Green molecularly imprinted polymers for sustainable sample preparation. <i>Journal of Separation Science</i> , 2022, 45, 233-245.	1.3	14
69	Evaluation of a mixed immunosorbent for selective trace enrichment of phenylurea herbicides from plant material. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 362, 547-551.	1.5	13
70	Surface modified magnetic nanoparticles by molecular imprinting for the dispersive solid-phase extraction of triazines from environmental waters. <i>Journal of Separation Science</i> , 2020, 43, 3304-3314.	1.3	10
71	Synthesis of Molecularly Imprinted Polymers for the Selective Extraction of Polymyxins from Environmental Water Samples. <i>Polymers</i> , 2020, 12, 131.	2.0	10
72	New design for the on-line solid-phase extraction of pesticides using membrane extraction disk material and liquid chromatography in environmental waters. <i>Journal of Chromatography A</i> , 1996, 752, 291-297.	1.8	9

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73	Breakthrough Volumes Increased by the Addition of Salt in the On-Line Solid-Phase Extraction and Liquid Chromatography of Pesticides in Environmental Water. <i>International Journal of Environmental Analytical Chemistry</i> , 1996, 63, 127-135.	1.8	9
74	Determination of polypeptide antibiotics in animal tissues using liquid chromatography tandem mass spectrometry based on in-line molecularly imprinted solid-phase extraction. <i>Journal of Chromatography A</i> , 2022, 1673, 463192.	1.8	8
75	Preparation, Homogeneity and Stability of Polar Pesticides in Freeze-Dried Water Interlaboratory Exercise. <i>International Journal of Environmental Analytical Chemistry</i> , 1997, 67, 125-141.	1.8	7
76	Molecularly Imprinted Polymers: Providing Selectivity to Sample Preparation. <i>Journal of Chromatographic Science</i> , 2009, 47, 254-256.	0.7	7
77	Hollow Fibre Membrane-Protected Molecularly Imprinted Microsolid-Phase Extraction (HFM-Protected-MI-MSPE) of Triazines from Soil Samples. <i>Separations</i> , 2018, 5, 8.	1.1	7
78	The preparation of a certified reference material of polar pesticides in freeze-dried water (CRM 606). <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 363, 632-640.	1.5	6
79	Analysis of Nosiheptide in Food Animal Tissues via Its Unique Degradation Product by Liquid Chromatography-Tandem Mass Spectrometry after Alkaline Hydrolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10791-10799.	2.4	6
80	Evaluation of 2-hydroxyethyl methacrylate as comonomer in the preparation of water-compatible molecularly imprinted polymers for triazinic herbicides. <i>Journal of Separation Science</i> , 2022, 45, 2356-2365.	1.3	6
81	Determination of Nonylphenol and Nonylphenol Ethoxylates in Powdered Milk Infant Formula by HPLC-FL. <i>Journal of Chromatographic Science</i> , 2011, 49, 243-248.	0.7	4
82	Fluorescent carbonaceous materials isolated from cigarette ashes for the determination of iron(III) in water samples. <i>Analytical Methods</i> , 2020, 12, 3523-3529.	1.3	4
83	Characterisation and quality assessment of binding sites on a propazine-imprinted polymer prepared by precipitation polymerisation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 804, 83.	1.2	3
84	Molecularly Imprinted Polymers. <i>Methods in Molecular Biology</i> , 2021, , .	0.4	3
85	Molecularly Imprinted Polymers: Selective Extraction Materials for Sample Preparation. <i>Separations</i> , 2022, 9, 133.	1.1	1
86	Sample Handling of Pesticides in Food and Environmental Samples. , 2008, , .		0
87	Molecular Imprinting: A New Journal, A New Home for Imprinters. <i>Molecular Imprinting</i> , 2012, 1, 1-2.	1.8	0
88	Application of molecularly imprinted polymers in microextraction and solventless extraction techniques. <i>Comprehensive Analytical Chemistry</i> , 2019, 86, 95-118.	0.7	0
89	CHAPTER 12. Molecularly Imprinted Polymers: Providing Selectivity to Sample Preparation. <i>RSC Polymer Chemistry Series</i> , 2018, , 379-411.	0.1	0