

# Jose Manuel Herrero-Martinez

## List of Publications by Citations

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176  
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179  
ext. papers

3,925  
ext. citations

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5.66  
L-index

#	Paper	IF	Citations
176	Authentication of extra virgin olive oils by Fourier-transform infrared spectroscopy. <i>Food Chemistry</i> , <b>2010</b> , 118, 78-83	8.5	264
175	Composition, industrial processing and applications of rice bran Embryanol. <i>Food Chemistry</i> , <b>2009</b> , 115, 389-404	8.5	185
174	Determination of dissociation constants of flavonoids by capillary electrophoresis. <i>Electrophoresis</i> , <b>2005</b> , 26, 1886-95	3.6	166
173	Tailoring the morphology of methacrylate ester-based monoliths for optimum efficiency in liquid chromatography. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 7342-7	7.8	129
172	Analysis of prominent flavonoid aglycones by high-performance liquid chromatography using a monolithic type column. <i>Journal of Chromatography A</i> , <b>2006</b> , 1131, 51-7	4.5	48
171	Potentiometric determination of aqueous dissociation constants of flavonols sparingly soluble in water. <i>Talanta</i> , <b>2008</b> , 74, 1008-13	6.2	46
170	Solid-phase extraction based on ground methacrylate monolith modified with gold nanoparticles for isolation of proteins. <i>Analytica Chimica Acta</i> , <b>2016</b> , 917, 37-43	6.6	42
169	Determination of tocopherols and tocotrienols in vegetable oils by nanoliquid chromatography with ultraviolet-visible detection using a silica monolithic column. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 757-61	5.7	40
168	Determination of cow's milk in non-bovine and mixed cheeses by capillary electrophoresis of whey proteins in acidic isoelectric buffers. <i>Journal of Chromatography A</i> , <b>2000</b> , 878, 261-71	4.5	40
167	Hybrid methacrylate monolithic columns containing magnetic nanoparticles for capillary electrochromatography. <i>Journal of Chromatography A</i> , <b>2015</b> , 1385, 77-84	4.5	39
166	Cocaine abuse determination by ion mobility spectrometry using molecular imprinting. <i>Journal of Chromatography A</i> , <b>2017</b> , 1481, 23-30	4.5	38
165	Carbon nanotube-modified monolithic polymethacrylate pipette tips for (micro)solid-phase extraction of antidepressants from urine samples. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 127	5.8	38
164	Classification of extra virgin olive oils according to their geographical origin using phenolic compound profiles obtained by capillary electrochromatography. <i>Food Research International</i> , <b>2009</b> , 42, 1446-1452	7	38
163	New In-Depth Analytical Approach of the Porcine Seminal Plasma Proteome Reveals Potential Fertility Biomarkers. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 1065-1076	5.6	37
162	Use of an enzyme-assisted method to improve protein extraction from olive leaves. <i>Food Chemistry</i> , <b>2015</b> , 169, 28-33	8.5	36
161	Classification of vegetable oils according to their botanical origin using sterol profiles established by direct infusion mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 973-8	2.2	36
160	Prediction of the genetic variety of Spanish extra virgin olive oils using fatty acid and phenolic compound profiles established by direct infusion mass spectrometry. <i>Food Chemistry</i> , <b>2008</b> , 108, 1142-8	8.5	36

159	Triacylglycerol Analysis in Human Milk and Other Mammalian Species: Small-Scale Sample Preparation, Characterization, and Statistical Classification Using HPLC-ELSD Profiles. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 5761-70	5.7	33
158	Derivatization of hydroxyl functional groups for liquid chromatography and capillary electroseparation. <i>Journal of Chromatography A</i> , <b>2013</b> , 1296, 140-56	4.5	33
157	Optical recognition and removal of Hg(II) using a new self-chemosensor based on a modified amino-functionalized Al-MOF. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 164-172	8.5	33
156	Classification of vegetable oils according to their botanical origin using n-alkane profiles established by GC-MS. <i>Food Chemistry</i> , <b>2015</b> , 167, 36-9	8.5	32
155	Determination of the amylose-amylopectin ratio of starches by iodine-affinity capillary electrophoresis. <i>Journal of Chromatography A</i> , <b>2004</b> , 1053, 227-34	4.5	32
154	Study of silica-structured materials as sorbents for organophosphorus pesticides determination in environmental water samples. <i>Talanta</i> , <b>2018</b> , 189, 560-567	6.2	31
153	High efficiency joint CZE determination of sugars and acids in vegetables and fruits. <i>Electrophoresis</i> , <b>2012</b> , 33, 2416-23	3.6	31
152	Epidemiology, risk factors and impact on long-term pancreatic function of infection following pancreas-kidney transplantation. <i>Clinical Microbiology and Infection</i> , <b>2013</b> , 19, 1132-9	9.5	31
151	Nanoparticle-Directed Metal-Organic Framework/Porous Organic Polymer Monolithic Supports for Flow-Based Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1728-1736	9.5	30
150	Magnetic molecularly imprinted polymers for the selective determination of cocaine by ion mobility spectrometry. <i>Journal of Chromatography A</i> , <b>2018</b> , 1545, 22-31	4.5	30
149	Preparation and evaluation of lauryl methacrylate monoliths with embedded silver nanoparticles for capillary electrochromatography. <i>Electrophoresis</i> , <b>2013</b> , 34, 925-34	3.6	30
148	Incorporation of zeolitic imidazolate framework (ZIF-8)-derived nanoporous carbons in methacrylate polymeric monoliths for capillary electrochromatography. <i>Talanta</i> , <b>2017</b> , 164, 348-354	6.2	30
147	Photo-polymerized lauryl methacrylate monolithic columns for CEC using lauroyl peroxide as initiator. <i>Electrophoresis</i> , <b>2009</b> , 30, 3748-56	3.6	30
146	Determination of cationic surfactants by capillary zone electrophoresis and micellar electrokinetic chromatography with deoxycholate micelles in the presence of large organic solvent concentrations. <i>Journal of Chromatography A</i> , <b>2000</b> , 895, 227-35	4.5	30
145	Preparation of porous methacrylate monoliths with oxidized single-walled carbon nanohorns for the extraction of nonsteroidal anti-inflammatory drugs from urine samples. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 1863-1871	5.8	29
144	Selective solid-phase extraction of organophosphorus pesticides and their oxon-derivatives from water samples using molecularly imprinted polymer followed by high-performance liquid chromatography with UV detection. <i>Journal of Chromatography A</i> , <b>2020</b> , 1626, 461346	4.5	29
143	Determination of tocopherols in vegetable oils by CEC using methacrylate ester-based monolithic columns. <i>Electrophoresis</i> , <b>2007</b> , 28, 4128-35	3.6	29
142	Rapid determination of sterols in vegetable oils by CEC using methacrylate ester-based monolithic columns. <i>Electrophoresis</i> , <b>2008</b> , 29, 4603-11	3.6	29

141	Determination of L-ascorbic acid in Lycopersicon fruits by capillary zone electrophoresis. <i>Analytical Biochemistry</i> , <b>2001</b> , 296, 218-24	3.1	29
140	Sensitive determination of parabens in human urine and serum using methacrylate monoliths and reversed-phase capillary liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2015</b> , 1379, 65-73	4.5	28
139	Determination of L-ascorbic acid and total ascorbic acid in vascular and nonvascular plants by capillary zone electrophoresis. <i>Analytical Biochemistry</i> , <b>1998</b> , 265, 275-81	3.1	28
138	Determination of cow's milk and ripening time in nonbovine cheese by capillary electrophoresis of the ethanol-water protein fraction. <i>Electrophoresis</i> , <b>2000</b> , 21, 633-40	3.6	28
137	Amphetamine-type stimulants analysis in oral fluid based on molecularly imprinting extraction. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1052, 73-83	6.6	28
136	Determination of water-soluble vitamins in energy and sport drinks by micellar electrokinetic capillary chromatography. <i>Food Control</i> , <b>2016</b> , 63, 110-116	6.2	27
135	Methacrylate monolithic columns functionalized with epinephrine for capillary electrochromatography applications. <i>Journal of Chromatography A</i> , <b>2013</b> , 1298, 61-7	4.5	27
134	Simultaneous determination of main phenolic acids and flavonoids in tomato by micellar electrokinetic capillary electrophoresis. <i>Food Chemistry</i> , <b>2017</b> , 221, 439-446	8.5	27
133	Polymethacrylate monoliths with immobilized poly-3-mercaptopropyl methylsiloxane film for high-coverage surface functionalization by thiol-ene click reaction. <i>Journal of Chromatography A</i> , <b>2014</b> , 1367, 123-30	4.5	26
132	Fast separation and determination of sterols in vegetable oils by ultraperformance liquid chromatography with atmospheric pressure chemical ionization mass spectrometry detection. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 2771-6	5.7	25
131	Determination of flavonoid aglycones in several food samples by mixed micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , <b>2007</b> , 30, 2493-500	3.4	25
130	Evaluation of the quality of olive oil using fatty acid profiles by direct infusion electrospray ionization mass spectrometry. <i>Food Chemistry</i> , <b>2008</b> , 107, 1307-1313	8.5	25
129	Determination of major carotenoids in vegetables by capillary electrochromatography. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 660-5	3.4	25
128	Current trends in affinity-based monoliths in microextraction approaches: A review. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1084, 1-20	6.6	24
127	Determination of azoxystrobin and chlorothalonil using a methacrylate-based polymer modified with gold nanoparticles as solid-phase extraction sorbent. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 243-250	4.4	24
126	Rapid differentiation of commercial juices and blends by using sugar profiles obtained by capillary zone electrophoresis with indirect UV detection. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 2639-46	5.7	23
125	Sensitive determination of polycyclic aromatic hydrocarbons in water samples using monolithic capillary solid-phase extraction and on-line thermal desorption prior to gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 1802-7	4.5	23
124	Classification of extra virgin olive oils produced at La Comunitat Valenciana according to their genetic variety using sterol profiles established by high-performance liquid chromatography with mass spectrometry detection. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 10512-7	5.7	23

123	Capillary electrophoresis of free fatty acids by indirect ultraviolet detection: application to the classification of vegetable oils according to their botanical origin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 10775-80	5.7	22
122	Characterization of the acidity of residual silanol groups in microparticulate and monolithic reversed-phase columns. <i>Journal of Chromatography A</i> , <b>2004</b> , 1060, 135-45	4.5	22
121	Classification of extra virgin olive oils according to their genetic variety using linear discriminant analysis of sterol profiles established by ultra-performance liquid chromatography with mass spectrometry detection. <i>Food Research International</i> , <b>2011</b> , 44, 103-108	7	21
120	Fast simultaneous determination of prominent polyphenols in vegetables and fruits by reversed phase liquid chromatography using a fused-core column. <i>Food Chemistry</i> , <b>2015</b> , 169, 169-79	8.5	20
119	Quality control of fruit juices by using organic acids determined by capillary zone electrophoresis with poly(vinyl alcohol)-coated bubble cell capillaries. <i>Food Chemistry</i> , <b>2015</b> , 188, 596-603	8.5	20
118	Simultaneous quantification of the main organic acids and carbohydrates involved in tomato flavour using capillary zone electrophoresis. <i>Journal of the Science of Food and Agriculture</i> , <b>2002</b> , 82, 1104-1106 <sup>20</sup>	4.3	20
117	Micellar electrokinetic chromatography estimation of size and composition of procyanidins after thiolysis with cysteine. <i>Electrophoresis</i> , <b>2003</b> , 24, 1404-10	3.6	20
116	The emerging role of 3D printing in the fabrication of detection systems. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 136, 116177	14.6	20
115	Polymeric sorbents modified with gold and silver nanoparticles for solid-phase extraction of proteins followed by MALDI-TOF analysis. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 1683-1690	5.8	19
114	Development of pipette tip-based poly(methacrylic acid-co-ethylene glycol dimethacrylate) monolith for the extraction of drugs of abuse from oral fluid samples. <i>Talanta</i> , <b>2019</b> , 205, 120158	6.2	19
113	Prediction of the genetic variety of extra virgin olive oils produced at La Comunitat Valenciana, Spain, by fourier transform infrared spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 9985-9	5.7	19
112	Extraction and preconcentration of organophosphorus pesticides in water by using a polymethacrylate-based sorbent modified with magnetic nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 3561-3571	4.4	18
111	UV-polymerized butyl methacrylate monoliths with embedded carboxylic single-walled carbon nanotubes for CEC applications. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 6329-36	4.4	18
110	Enzyme-assisted extraction of proteins from Citrus fruits and prediction of their cultivar using protein profiles obtained by capillary gel electrophoresis. <i>Food Control</i> , <b>2017</b> , 72, 14-19	6.2	18
109	Classification of pumpkin seed oils according to their species and genetic variety by attenuated total reflection Fourier-transform infrared spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 4125-9	5.7	18
108	Incorporation of metal-organic framework amino-modified MIL-101 into glycidyl methacrylate monoliths for nano LC separation. <i>Journal of Separation Science</i> , <b>2019</b> , 42, 834-842	3.4	18
107	Preparation of organic monolithic columns in polytetrafluoroethylene tubes for reversed-phase liquid chromatography. <i>Analytica Chimica Acta</i> , <b>2017</b> , 960, 160-167	6.6	17
106	Determination of non-ionic and anionic surfactants in industrial products by separation on a weak ion-exchanger, derivatization and liquid chromatography. <i>Journal of Chromatography A</i> , <b>2013</b> , 1320, 66-71 <sup>5</sup>	4.5	17

105	Organo-silica hybrid capillary monolithic column with mesoporous silica particles for separation of small aromatic molecules. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 3799-3808	5.8	17
104	Extraction of aflatoxins by using mesoporous silica (type UVM-7), and their quantitation by HPLC-MS. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 792	5.8	17
103	Analytical methods for the characterization and determination of nonionic surfactants in cosmetics and environmental matrices. <i>Analytical Methods</i> , <b>2013</b> , 5, 341-354	3.2	16
102	Comparison on photo-initiators for the preparation of methacrylate monolithic columns for capillary electrochromatography. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 3231-7	4.5	16
101	Determination of fatty alcohol ethoxylates and alkylether sulfates by anionic exchange separation, derivatization with a cyclic anhydride and liquid chromatography. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 8511-8	4.5	15
100	Chemical initiation for butyl and lauryl acrylate monolithic columns for CEC. <i>Electrophoresis</i> , <b>2009</b> , 30, 599-606	3.6	15
99	Characterization of the alcoholic fraction of vegetable oils by derivatization with diphenic anhydride followed by high-performance liquid chromatography with spectrophotometric and mass spectrometric detection. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 230-6	4.5	15
98	Peroxodisulfate as a chemical initiator for methacrylate-ester monolithic columns for capillary electrochromatography. <i>Electrophoresis</i> , <b>2008</b> , 29, 910-8	3.6	15
97	Mixed micellar electrokinetic capillary chromatography separation of depolymerized grape procyanidins. <i>Electrophoresis</i> , <b>2003</b> , 24, 707-13	3.6	15
96	Simultaneous Determination of l-Ascorbic Acid, Glutathione, and Their Oxidized Forms in Ozone-Exposed Vascular Plants by Capillary Zone Electrophoresis. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 1331-1336	10.3	15
95	Uptake and translocation monitoring of imidacloprid to chili and tomato plants by molecularly imprinting extraction - ion mobility spectrometry. <i>Microchemical Journal</i> , <b>2019</b> , 144, 195-202	4.8	15
94	CEC column behaviour of butyl and lauryl methacrylate monoliths prepared in non-aqueous media. <i>Electrophoresis</i> , <b>2009</b> , 30, 607-15	3.6	14
93	Comparison of thermal- and photo-polymerization of lauryl methacrylate monolithic columns for CEC. <i>Electrophoresis</i> , <b>2009</b> , 30, 1929-36	3.6	14
92	Separation of homologues and isomers of linear alkylbenzenesulfonates by capillary electrophoresis with sodium dodecyl sulfate, carboxylic acids and bile salts. <i>Electrophoresis</i> , <b>2003</b> , 24, 681-6	3.6	14
91	Development of a molecularly imprinted monolithic polymer disk for agitation-extraction of ecgonine methyl ester from environmental water. <i>Talanta</i> , <b>2019</b> , 199, 388-395	6.2	14
90	Evaluation of 2,3-epoxypropyl groups and functionalization yield in glycidyl methacrylate monoliths using gas chromatography. <i>Journal of Chromatography A</i> , <b>2015</b> , 1379, 100-5	4.5	13
89	Evaluation of molecular mass and tacticity of polyvinyl alcohol by non-equilibrium capillary electrophoresis of equilibrium mixtures of a polymer and a dye. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 2334-41	4.5	13
88	Classification of vegetable oils according to their botanical origin using amino acid profiles established by High Performance Liquid Chromatography with UV-vis detection: A first approach. <i>Food Chemistry</i> , <b>2010</b> , 120, 1149-1154	8.5	13

87	Fast determination of prominent carotenoids in tomato fruits by CEC using methacrylate ester-based monolithic columns. <i>Electrophoresis</i> , <b>2007</b> , 28, 4120-7	3.6	13
86	Lauroyl peroxide as thermal initiator of lauryl methacrylate monolithic columns for CEC. <i>Electrophoresis</i> , <b>2008</b> , 29, 4399-406	3.6	13
85	3D printed fluidic platform with in-situ covalently immobilized polymer monolithic column for automatic solid-phase extraction. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1111, 40-48	6.6	13
84	Preparation and evaluation of butyl acrylate-based monolithic columns for CEC using ammonium peroxydisulfate as a chemical initiator. <i>Electrophoresis</i> , <b>2008</b> , 29, 3858-65	3.6	12
83	Determination of alkylphenol ethoxylates by micellar electrokinetic chromatography with bile salts. <i>Electrophoresis</i> , <b>2001</b> , 22, 526-34	3.6	12
82	Separation and determination of homologues of linear alkylbenzenesulfonates by nonaqueous capillary zone electrophoresis using alkylammonium salts in ethanol. <i>Electrophoresis</i> , <b>2001</b> , 22, 2017-24	3.6	12
81	Determination of antibiotics in meat samples using analytical methodologies: A review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2021</b> , 20, 1681-1716	16.4	12
80	Photografted methacrylate-based monolithic columns coated with cellulose tris(3,5-dimethylphenylcarbamate) for chiral separation in CEC. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 1424-1432	3.4	11
79	Cultivar discrimination and prediction of mixtures of Tunisian extra virgin olive oils by FTIR. <i>European Journal of Lipid Science and Technology</i> , <b>2016</b> , 118, 1236-1242	3	11
78	Reliable and simple analytical methods for determination of citrulline and metabolically related amino acids by liquid chromatography after derivatization: comparison between monolithic and core-shell columns. <i>Analytical Methods</i> , <b>2014</b> , 6, 5830	3.2	11
77	Efficient extraction of olive pulp and stone proteins by using an enzyme-assisted method. <i>Journal of Food Science</i> , <b>2014</b> , 79, C1298-304	3.4	11
76	Comparison of monolithic and microparticulate columns for reversed-phase liquid chromatography of tryptic digests of industrial enzymes in cleaning products. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 7275-80	4.5	11
75	Bimodal porous silica nanomaterials as sorbents for an efficient and inexpensive determination of aflatoxin M in milk and dairy products. <i>Food Chemistry</i> , <b>2020</b> , 333, 127421	8.5	10
74	Extraction of β-blockers from urine with a polymeric monolith modified with 1-allyl-3-methylimidazolium chloride in spin column format. <i>Talanta</i> , <b>2020</b> , 214, 120860	6.2	10
73	In situ growth of metal-organic framework HKUST-1 in an organic polymer as sorbent for nitrated and oxygenated polycyclic aromatic hydrocarbon in environmental water samples prior to quantitation by HPLC-UV. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 301	5.8	10
72	Carbon nanostructures incorporated on methacrylate monoliths for separation of small molecules by nano-liquid chromatography. <i>Microchemical Journal</i> , <b>2018</b> , 139, 222-229	4.8	10
71	Analysis of Aliphatic Organic Acids in Commercial Fruit Juices by Capillary Electrophoresis with Indirect UV Detection: Application to Differentiation of Fruit Juices. <i>Food Analytical Methods</i> , <b>2017</b> , 10, 3991-4002	3.4	10
70	Determination of alcohols in essential oils by liquid chromatography with ultraviolet detection after chromogenic derivatization. <i>Journal of Chromatography A</i> , <b>2013</b> , 1296, 157-63	4.5	10

69	Prediction of the curing time of Spanish hams using peptide profiles established by capillary zone electrophoresis. <i>Food Chemistry</i> , <b>2009</b> , 113, 635-639	8.5	10
68	Solid-phase extraction of phospholipids using mesoporous silica nanoparticles: application to human milk samples. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 4847-4854	4.4	10
67	Molecularly imprinted polymers for selective solid-phase extraction of phospholipids from human milk samples. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 3389-3397	5.8	9
66	Bio-metal-organic frameworks for molecular recognition and sorbent extraction of hydrophilic vitamins followed by their determination using HPLC-UV. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 201	5.8	9
65	Poly(ethylene glycol) diacrylate based monolithic capillary columns for the analysis of polar small solutes by capillary electrochromatography. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 2632-2639	3.4	9
64	Use of protein profiles established by CZE to predict the cultivar of olive leaves and pulps. <i>Electrophoresis</i> , <b>2014</b> , 35, 1652-1659	3.6	9
63	Evaluation of the oxidative status of virgin olive oils with different phenolic content by direct infusion atmospheric pressure chemical ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 395, 1543-50	4.4	9
62	Recent Advances in Affinity MOF-Based Sorbents with Sample Preparation Purposes. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
61	Highly Efficient Removal of Neonicotinoid Insecticides by Thioether-Based (Multivariate) Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 28424-28432	9.5	9
60	Proteomic fingerprinting of mistletoe ( <i>Viscum album</i> L.) via combinatorial peptide ligand libraries and mass spectrometry analysis. <i>Journal of Proteomics</i> , <b>2017</b> , 164, 52-58	3.9	8
59	Recent Advances in Molecularly Imprinted Membranes for Sample Treatment and Separation. <i>Separations</i> , <b>2020</b> , 7, 69	3.1	8
58	Polymeric monolithic microcartridges with gold nanoparticles for the analysis of protein biomarkers by on-line solid-phase extraction capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2020</b> , 1622, 461097	4.5	8
57	Zwitterionic codeine-derived methacrylate monoliths for enantioselective capillary electrochromatography of chiral acids and chiral bases. <i>Electrophoresis</i> , <b>2018</b> , 39, 2558-2565	3.6	8
56	Hybrid monoliths with metal-organic frameworks in spin columns for extraction of non-steroidal drugs prior to their quantitation by reversed-phase HPLC. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 759	5.8	8
55	Cultivar discrimination of Spanish olives by using direct FTIR data combined with linear discriminant analysis. <i>European Journal of Lipid Science and Technology</i> , <b>2015</b> , 117, 1473-1479	3	8
54	Acrylate ester-based monolithic columns for capillary electrochromatography separation of triacylglycerols in vegetable oils. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 7528-33	4.5	8
53	Study of the Fragmentation of D-Glucose and Alkylmonoglycosides in the Presence of Sodium Ions in an Ion-Trap Mass Spectrometer. <i>Analytical Letters</i> , <b>2009</b> , 42, 907-921	2.2	8
52	Photografted fluoropolymers as novel chromatographic supports for polymeric monolithic stationary phases. <i>Talanta</i> , <b>2018</b> , 187, 216-222	6.2	8



51	Comparison of silica-based materials for organophosphorus pesticides sampling and occupational risk assessment. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1110, 26-34	6.6	7
50	Classification of olive leaves and pulps according to their cultivar by using protein profiles established by capillary gel electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 1731-8	4.4	7
49	Preparation and characterization of octadecyl acrylate monoliths for capillary electrochromatography by photochemical, thermal, and chemical initiation. <i>Journal of Separation Science</i> , <b>2013</b> , 36, 2283-90	3.4	7
48	Clinical, epidemiological characteristics and indications for liver biopsy and treatment in immigrants with chronic hepatitis B at a referral hospital in Madrid. <i>Journal of Viral Hepatitis</i> , <b>2011</b> , 18, 294-9	3.4	7
47	Determination of benzomercaptans in environmental complex samples by combining zeolitic imidazolate framework-8-based solid-phase extraction and high-performance liquid chromatography with UV detection. <i>Journal of Chromatography A</i> , <b>2020</b> , 1631, 461580	4.5	7
46	Development and Evaluation of Paper-Based Devices for Iron(III) Determination in an Advanced Undergraduate Laboratory. <i>Journal of Chemical Education</i> , <b>2020</b> , 97, 3852-3857	2.4	7
45	Use of triacylglycerol profiles established by HPLC/UV and ELSD to predict cultivar and maturity of Tunisian olive oils. <i>European Food Research and Technology</i> , <b>2016</b> , 242, 1607-1619	3.4	7
44	Polymer-based materials modified with magnetite nanoparticles for enrichment of phospholipids. <i>Talanta</i> , <b>2018</b> , 180, 162-167	6.2	6
43	Study of peak shape and efficiency in butyl acrylate-based monolithic columns for capillary electrochromatography. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 6831-7	4.5	6
42	In syringe hybrid monoliths modified with gold nanoparticles for selective extraction of glutathione in biological fluids prior to its determination by HPLC. <i>Talanta</i> , <b>2020</b> , 209, 120566	6.2	6
41	Boronate affinity sorbents based on thiol-functionalized polysiloxane-polymethacrylate composite materials in syringe format for selective extraction of glycopeptides. <i>Microchemical Journal</i> , <b>2021</b> , 164, 106018	4.8	6
40	Enhancing extraction performance of organophosphorus flame retardants in water samples using titanium hierarchical porous silica materials as sorbents. <i>Journal of Chromatography A</i> , <b>2021</b> , 1639, 461938	4.5	6
39	Improving Fractionation of Human Milk Proteins through Calcium Phosphate Coprecipitation and Their Rapid Characterization by Capillary Electrophoresis. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 3557-3564	5.6	6
38	Modelling retention and peak shape of small polar solutes analysed by nano-HPLC using methacrylate-based monolithic columns. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1086, 142-155	6.6	5
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34	Preparation of monolithic polymer-magnetite nanoparticle composites into poly(ethylene-co-tetrafluoroethylene) tubes for uses in micro-bore HPLC separation and extraction of phosphorylated compounds. <i>Talanta</i> , <b>2021</b> , 224, 121806	6.2	5

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32	Classification of Tunisian extra virgin olive oils according to their genetic variety and maturity index using fatty acid profiles established by direct infusion mass spectrometry. <i>European Journal of Lipid Science and Technology</i> , <b>2016</b> , 118, 735-743	3	4
31	Chemical Analysis and Antioxidant Activity of the Essential Oils of Three Piperaceae Species Growing in the Central Region of Cuba. <i>Natural Product Communications</i> , <b>2013</b> , 8, 1934578X1300800	0.9	4
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24	Synchronized gradient elution in capillary liquid chromatography. <i>Journal of Chromatography A</i> , <b>2013</b> , 1318, 142-8	4.5	3
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22	Methacrylate ester-based monolithic columns for nano-LC separation of tocopherols in vegetable oils. <i>Journal of Separation Science</i> , <b>2010</b> , 33, 2681-7	3.4	3
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18	Statistical classification of pumpkin seed oils by direct infusion mass spectrometry: Correlation with GC-FID profiles. <i>European Journal of Lipid Science and Technology</i> , <b>2015</b> , 117, 331-337	3	2
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