

Alejandro Cifuentes

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351
papers

16,019
citations

65
h-index

108
g-index

377
ext. papers

18,018
ext. citations

5.1
avg. IF

7.07
L-index

#	Paper	IF	Citations
351	Sub- and supercritical fluid extraction of functional ingredients from different natural sources: Plants, food-by-products, algae and microalgae. A review. <i>Food Chemistry</i> , 2006 , 98, 136-148	8.5	867
350	Natural products in drug discovery: advances and opportunities. <i>Nature Reviews Drug Discovery</i> , 2021 , 20, 200-216	64.1	522
349	Supercritical fluid extraction: Recent advances and applications. <i>Journal of Chromatography A</i> , 2010 , 1217, 2495-511	4.5	484
348	In the search of new functional food ingredients from algae. <i>Trends in Food Science and Technology</i> , 2008 , 19, 31-39	15.3	340
347	Innovative natural functional ingredients from microalgae. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 7159-70	5.7	317
346	Foodomics: MS-based strategies in modern food science and nutrition. <i>Mass Spectrometry Reviews</i> , 2012 , 31, 49-69	11	291
345	Food analysis and foodomics. <i>Journal of Chromatography A</i> , 2009 , 1216, 7109	4.5	220
344	Use of compressed fluids for sample preparation: food applications. <i>Journal of Chromatography A</i> , 2007 , 1152, 234-46	4.5	213
343	Determination of Critical Micelle Concentration Values Using Capillary Electrophoresis Instrumentation. <i>Analytical Chemistry</i> , 1997 , 69, 4271-4274	7.8	209
342	Advanced analysis of nutraceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 55, 758-743	3.5	199
341	Present and future challenges in food analysis: foodomics. <i>Analytical Chemistry</i> , 2012 , 84, 10150-9	7.8	196
340	Plants, seaweeds, microalgae and food by-products as natural sources of functional ingredients obtained using pressurized liquid extraction and supercritical fluid extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 71, 26-38	14.6	183
339	Green processes for the extraction of bioactives from Rosemary: Chemical and functional characterization via ultra-performance liquid chromatography-tandem mass spectrometry and in-vitro assays. <i>Journal of Chromatography A</i> , 2010 , 1217, 2512-20	4.5	178
338	On-line capillary electrophoresis-mass spectrometry for the analysis of biomolecules. <i>Electrophoresis</i> , 2004 , 25, 2257-81	3.6	176
337	Benefits of using algae as natural sources of functional ingredients. <i>Journal of the Science of Food and Agriculture</i> , 2013 , 93, 703-9	4.3	168
336	Optimization of accelerated solvent extraction of antioxidants from <i>Spirulina platensis</i> microalga. <i>Food Chemistry</i> , 2005 , 93, 417-423	8.5	159
335	Recent advances in the application of capillary electromigration methods for food analysis and Foodomics. <i>Electrophoresis</i> , 2010 , 31, 205-28	3.6	149

334	Subcritical water extraction of nutraceuticals with antioxidant activity from oregano. Chemical and functional characterization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 41, 1560-5	3.5	149
333	Optimization of the extraction of antioxidants from <i>Dunaliella salina</i> microalga by pressurized liquids. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 5597-603	5.7	145
332	Subcritical water extraction and characterization of bioactive compounds from <i>Haematococcus pluvialis</i> microalga. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 51, 456-63	3.5	140
331	Performance of a physically adsorbed high-molecular-mass polyethyleneimine layer as coating for the separation of basic proteins and peptides by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1995 , 708, 356-361	4.5	140
330	Recent advances in the application of capillary electromigration methods for food analysis. <i>Electrophoresis</i> , 2006 , 27, 283-303	3.6	137
329	Toward a predictive model of Alzheimer's disease progression using capillary electrophoresis-mass spectrometry metabolomics. <i>Analytical Chemistry</i> , 2012 , 84, 8532-40	7.8	120
328	Screening of functional compounds in supercritical fluid extracts from <i>Spirulina platensis</i> . <i>Food Chemistry</i> , 2007 , 102, 1357-1367	8.5	114
327	Downstream processing of <i>Isochrysis galbana</i> : a step towards microalgal biorefinery. <i>Green Chemistry</i> , 2015 , 17, 4599-4609	10	113
326	New trends in food processing. <i>Critical Reviews in Food Science and Nutrition</i> , 2003 , 43, 507-26	11.5	110
325	Comparative metabolomic study of transgenic versus conventional soybean using capillary electrophoresis-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1195, 164-73	4.5	109
324	Capillary electrophoresis-electrospray-mass spectrometry in peptide analysis and peptidomics. <i>Electrophoresis</i> , 2008 , 29, 2148-60	3.6	107
323	CE-TOF MS analysis of complex protein hydrolyzates from genetically modified soybeans--a tool for foodomics. <i>Electrophoresis</i> , 2010 , 31, 1175-83	3.6	105
322	Capillary electrophoresis time-of-flight mass spectrometry for comparative metabolomics of transgenic versus conventional maize. <i>Analytical Chemistry</i> , 2008 , 80, 6329-35	7.8	105
321	Separation and characterization of antioxidants from <i>Spirulina platensis</i> microalga combining pressurized liquid extraction, TLC, and HPLC-DAD. <i>Journal of Separation Science</i> , 2005 , 28, 2111-9	3.4	102
320	Capillary electrophoresis-mass spectrometry in food analysis. <i>Electrophoresis</i> , 2005 , 26, 1306-18	3.6	101
319	Recent advances in the application of capillary electromigration methods for food analysis. <i>Electrophoresis</i> , 2008 , 29, 294-309	3.6	97
318	Global Foodomics strategy to investigate the health benefits of dietary constituents. <i>Journal of Chromatography A</i> , 2012 , 1248, 139-53	4.5	96
317	Pressurized liquids as an alternative process to antioxidant carotenoids extraction from <i>Haematococcus pluvialis</i> microalgae. <i>LWT - Food Science and Technology</i> , 2010 , 43, 105-112	5.4	96

316	Behavior of peptides in capillary electrophoresis: effect of peptide charge, mass and structure. <i>Electrophoresis</i> , 1997 , 18, 2362-76	3.6	95
315	Anti-proliferative activity and chemical characterization by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry of phlorotannins from the brown macroalga <i>Sargassum muticum</i> collected on North-Atlantic coasts. <i>Journal of Chromatography A</i> , 2016 , 1428, 115-25	4.5	93
314	Capillary electrophoresis-mass spectrometry of basic proteins using a new physically adsorbed polymer coating. Some applications in food analysis. <i>Electrophoresis</i> , 2004 , 25, 2056-64	3.6	91
313	Considerations on the use of enzyme-assisted extraction in combination with pressurized liquids to recover bioactive compounds from algae. <i>Food Chemistry</i> , 2016 , 192, 67-74	8.5	89
312	Metabolomics of transgenic maize combining Fourier transform-ion cyclotron resonance-mass spectrometry, capillary electrophoresis-mass spectrometry and pressurized liquid extraction. <i>Journal of Chromatography A</i> , 2009 , 1216, 7314-23	4.5	89
311	Multidimensional chromatography in food analysis. <i>Journal of Chromatography A</i> , 2009 , 1216, 7110-29	4.5	86
310	Metabolomics, peptidomics and proteomics applications of capillary electrophoresis-mass spectrometry in Foodomics: a review. <i>Analytica Chimica Acta</i> , 2013 , 802, 1-13	6.6	80
309	New analytical techniques in food science. <i>Critical Reviews in Food Science and Nutrition</i> , 2001 , 41, 413-50	1.5	80
308	Comprehensive characterization of the functional activities of pressurized liquid and ultrasound-assisted extracts from <i>Chlorella vulgaris</i> . <i>LWT - Food Science and Technology</i> , 2012 , 46, 245-254	5.4	79
307	Metabolite profiling of licorice (<i>Glycyrrhiza glabra</i>) from different locations using comprehensive two-dimensional liquid chromatography coupled to diode array and tandem mass spectrometry detection. <i>Analytica Chimica Acta</i> , 2016 , 913, 145-59	6.6	78
306	Recent advances in the application of capillary electromigration methods for food analysis and Foodomics. <i>Electrophoresis</i> , 2012 , 33, 147-67	3.6	77
305	Profiling of phenolic compounds from different apple varieties using comprehensive two-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2013 , 1313, 275-83	4.5	77
304	Separation of basic proteins in free solution capillary electrophoresis: effect of additive, temperature and voltage. <i>Journal of Chromatography A</i> , 1996 , 742, 257-266	4.5	77
303	Simulation and optimization of peptide separation by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1994 , 680, 321-40	4.5	77
302	Advances in Nutrigenomics research: novel and future analytical approaches to investigate the biological activity of natural compounds and food functions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 51, 290-304	3.5	75
301	Chiral capillary electrophoresis-mass spectrometry of amino acids in foods. <i>Electrophoresis</i> , 2005 , 26, 1432-41	3.6	74
300	CE/LC-MS multiplatform for broad metabolomic analysis of dietary polyphenols effect on colon cancer cells proliferation. <i>Electrophoresis</i> , 2012 , 33, 2328-36	3.6	73
299	MS-based analytical methodologies to characterize genetically modified crops. <i>Mass Spectrometry Reviews</i> , 2011 , 30, 396-416	11	73

298	Covalent polymer-drug conjugates. <i>Molecules</i> , 2005 , 10, 114-25	4.8	73
297	Characterization of grape seed procyanidins by comprehensive two-dimensional hydrophilic interaction [reversed phase liquid chromatography coupled to diode array detection and tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 4627-38	4.4	71
296	Pesticide analysis by capillary electrophoresis. <i>Journal of Separation Science</i> , 2004 , 27, 947-63	3.4	71
295	Pressurized liquid extraction-capillary electrophoresis-mass spectrometry for the analysis of polar antioxidants in rosemary extracts. <i>Journal of Chromatography A</i> , 2005 , 1084, 54-62	4.5	70
294	Dunaliella salina microalga pressurized liquid extracts as potential antimicrobials. <i>Journal of Food Protection</i> , 2006 , 69, 2471-7	2.5	69
293	Optimization of clean extraction methods to isolate carotenoids from the microalga Neochloris oleoabundans and subsequent chemical characterization using liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 4607-16	4.4	68
292	Pressurized fluid extraction of bioactive compounds from Phormidium species. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 3517-23	5.7	68
291	A new metabolomic workflow for early detection of Alzheimer's disease. <i>Journal of Chromatography A</i> , 2013 , 1302, 65-71	4.5	67
290	Modified cyclodextrins for fast and sensitive chiral-capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 2009 , 30, 1734-42	3.6	67
289	New physically adsorbed polymer coating for reproducible separations of basic and acidic proteins by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2003 , 1012, 95-101	4.5	67
288	Capillary isoelectric focusing of erythropoietin glycoforms and its comparison with flat-bed isoelectric focusing and capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1999 , 830, 453-63	4.5	67
287	Recent advances in the application of capillary electromigration methods for food analysis and Foodomics. <i>Electrophoresis</i> , 2014 , 35, 147-69	3.6	66
286	Chiral MEKC-LIF of amino acids in foods: analysis of vinegars. <i>Electrophoresis</i> , 2006 , 27, 2551-7	3.6	65
285	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
284	Metabolomics of genetically modified crops. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 18941666	6.6	63
283	Analysis of carboxylic acids in biological fluids by capillary electrophoresis. <i>Electrophoresis</i> , 2005 , 26, 2622-36	3.6	63
282	Effect of rosemary polyphenols on human colon cancer cells: transcriptomic profiling and functional enrichment analysis. <i>Genes and Nutrition</i> , 2013 , 8, 43-60	4.3	62
281	Ion-trap versus time-of-flight mass spectrometry coupled to capillary electrophoresis to analyze biogenic amines in wine. <i>Journal of Chromatography A</i> , 2008 , 1195, 150-6	4.5	62

280	Chiral electromigration methods in food analysis. <i>Electrophoresis</i> , 2003 , 24, 2431-41	3.6	62
279	The role of direct high-resolution mass spectrometry in foodomics. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 6275-87	4.4	60
278	Detection of genetically modified maize by the polymerase chain reaction and capillary gel electrophoresis with UV detection and laser-induced fluorescence. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 1016-21	5.7	60
277	Recent advances in the application of capillary electromigration methods for food analysis and Foodomics. <i>Electrophoresis</i> , 2016 , 37, 111-41	3.6	59
276	Development of new green processes for the recovery of bioactives from <i>Phaeodactylum tricornutum</i> . <i>Food Research International</i> , 2017 , 99, 1056-1065	7	59
275	Response surface methodology to optimize supercritical carbon dioxide/co-solvent extraction of brown onion skin by-product as source of nutraceutical compounds. <i>Food Chemistry</i> , 2018 , 269, 495-502	8.5	59
274	DNA methylation dynamics and MET1a-like gene expression changes during stress-induced pollen reprogramming to embryogenesis. <i>Journal of Experimental Botany</i> , 2012 , 63, 6431-44	7	59
273	Green processes based on the extraction with pressurized fluids to obtain potent antimicrobials from <i>Haematococcus pluvialis</i> microalgae. <i>LWT - Food Science and Technology</i> , 2009 , 42, 1213-1218	5.4	59
272	Chiral capillary electrophoresis in food analysis. <i>Electrophoresis</i> , 2010 , 31, 2106-14	3.6	59
271	Food Analysis: Present, Future, and Foodomics 2012 , 2012, 1-16		58
270	Enrichment of vitamin E from <i>Spirulina platensis</i> microalga by SFE. <i>Journal of Supercritical Fluids</i> , 2008 , 43, 484-489	4.2	58
269	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
268	Separation and characterization of phlorotannins from brown algae <i>Cystoseira abies-marina</i> by comprehensive two-dimensional liquid chromatography. <i>Electrophoresis</i> , 2014 , 35, 1644-51	3.6	57
267	Beta-carotene isomer composition of sub- and supercritical carbon dioxide extracts. Antioxidant activity measurement. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 10585-90	5.7	57
266	Sensitive and simultaneous analysis of five transgenic maizes using multiplex polymerase chain reaction, capillary gel electrophoresis, and laser-induced fluorescence. <i>Electrophoresis</i> , 2004 , 25, 2219-26	3.6	57
265	Detection of genetically modified organisms in foods by DNA amplification techniques. <i>Critical Reviews in Food Science and Nutrition</i> , 2004 , 44, 425-36	11.5	57
264	Analysis of natural antioxidants by capillary electromigration methods. <i>Journal of Separation Science</i> , 2005 , 28, 883-97	3.4	56
263	Ultrasensitive detection of genetically modified maize DNA by capillary gel electrophoresis with laser-induced fluorescence using different fluorescent intercalating dyes. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 4497-502	5.7	56

262	High-efficiency capillary electrophoretic separation of basic proteins using coated capillaries and cationic buffer additives. <i>Journal of Chromatography A</i> , 1993 , 652, 161-170	4.5	56
261	Capillary electrophoresis of glutathione to monitor oxidative stress and response to antioxidant treatments in an animal model. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 822, 61-9	3.2	55
260	Liquid separation techniques coupled with mass spectrometry for chiral analysis of pharmaceuticals compounds and their metabolites in biological fluids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 40, 509-15	3.5	53
259	Simultaneous and sensitive detection of three foodborne pathogens by multiplex PCR, capillary gel electrophoresis, and laser-induced fluorescence. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 7180-6	5.7	53
258	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
257	Foodomics evaluation of bioactive compounds in foods. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 96, 2-13	14.6	52
256	Use of supercritical CO ₂ to obtain extracts with antimicrobial activity from <i>Chaetoceros muelleri</i> microalga. A correlation with their lipidic content. <i>European Food Research and Technology</i> , 2007 , 224, 505-510	3.4	52
255	Analysis of chiral amino acids in cerebrospinal fluid samples linked to different stages of Alzheimer disease. <i>Electrophoresis</i> , 2011 , 32, 2757-64	3.6	51
254	Recent applications of high resolution mass spectrometry for the characterization of plant natural products. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 112, 87-101	14.6	51
253	Metabolomic approach with LC-QTOF to study the effect of a nutraceutical treatment on urine of diabetic rats. <i>Journal of Proteome Research</i> , 2011 , 10, 837-44	5.6	50
252	Antimicrobial activity of sub- and supercritical CO ₂ extracts of the green alga <i>Dunaliella salina</i> . <i>Journal of Food Protection</i> , 2008 , 71, 2138-43	2.5	50
251	Recent advances in the application of capillary electromigration methods for food analysis and Foodomics. <i>Electrophoresis</i> , 2018 , 39, 136-159	3.6	49
250	Sample treatments prior to capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1153, 214-26	4.5	49
249	Sensitive micellar electrokinetic chromatography-laser-induced fluorescence method to analyze chiral amino acids in orange juices. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 5288-93	5.7	49
248	Preparation of linear polyacrylamide-coated capillaries: Study of the polymerization process and its effect on capillary electrophoresis performance. <i>Journal of Chromatography A</i> , 1999 , 830, 423-438	4.5	49
247	Analysis of Whey Proteins by Capillary Electrophoresis Using Buffer-Containing Polymeric Additives. <i>Journal of Dairy Science</i> , 1993 , 76, 1870-1875	4	49
246	Green compressed fluid technologies for downstream processing of <i>Scenedesmus obliquus</i> in a biorefinery approach. <i>Algal Research</i> , 2017 , 24, 111-121	5	48
245	Comprehensive foodomics study on the mechanisms operating at various molecular levels in cancer cells in response to individual rosemary polyphenols. <i>Analytical Chemistry</i> , 2014 , 86, 9807-15	7.8	48

244	Faecal metabolomic fingerprint after moderate consumption of red wine by healthy subjects. <i>Journal of Proteome Research</i> , 2015 , 14, 897-905	5.6	48
243	Chiral nano-liquid chromatography-mass spectrometry applied to amino acids analysis for orange juice profiling. <i>Food Chemistry</i> , 2008 , 108, 1114-21	8.5	48
242	Quantitation of transgenic Bt event-176 maize using double quantitative competitive polymerase chain reaction and capillary gel electrophoresis laser-induced fluorescence. <i>Analytical Chemistry</i> , 2004 , 76, 2306-13	7.8	48
241	Polyacrylamide-Coated Capillaries Probed by Atomic Force Microscopy: Correlation between Surface Topography and Electrophoretic Performance. <i>Analytical Chemistry</i> , 1998 , 70, 3458-3462	7.8	48
240	Selectivity change in the separation of proteins and peptides by capillary electrophoresis using high-molecular-mass polyethyleneimine. <i>Biomedical Applications</i> , 1996 , 681, 21-7		47
239	Effect of dietary polyphenols on K562 leukemia cells: a Foodomics approach. <i>Electrophoresis</i> , 2012 , 33, 2314-27	3.6	46
238	Analysis of chiral amino acids in conventional and transgenic maize. <i>Analytical Chemistry</i> , 2007 , 79, 5071-7.8		46
237	Pressurized liquid extracts from <i>Spirulina platensis</i> microalga. Determination of their antioxidant activity and preliminary analysis by micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2004 , 1047, 195-203	4.5	45
236	Hansen solubility parameters for selection of green extraction solvents. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 118, 227-237	14.6	44
235	New approaches for the selective extraction of bioactive compounds employing bio-based solvents and pressurized green processes. <i>Journal of Supercritical Fluids</i> , 2017 , 128, 112-120	4.2	43
234	Recovering bioactive compounds from olive oil filter cake by advanced extraction techniques. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 16270-83	6.3	43
233	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
232	The combined use of molecular techniques and capillary electrophoresis in food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 637-643	14.6	43
231	Capillary electrophoresis-mass spectrometry of peptides from enzymatic protein hydrolysis: simulation and optimization. <i>Electrophoresis</i> , 2003 , 24, 834-42	3.6	43
230	Separation of basic proteins by capillary electrophoresis using cross-linked polyacrylamide-coated capillaries and cationic buffer additives. <i>Journal of Chromatography A</i> , 1993 , 655, 63-72	4.5	43
229	On-line coupling of supercritical fluid extraction and chromatographic techniques. <i>Journal of Separation Science</i> , 2017 , 40, 213-227	3.4	42
228	Is metabolomics reachable? Different purification strategies of human colon cancer cells provide different CE-MS metabolite profiles. <i>Electrophoresis</i> , 2011 , 32, 1765-77	3.6	42
227	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

226	Characterization of proteins from <i>Spirulina platensis</i> microalga using capillary electrophoresis-ion trap-mass spectrometry and capillary electrophoresis-time of flight-mass spectrometry. <i>Electrophoresis</i> , 2005 , 26, 2674-83	3.6	42
225	Supercritical antisolvent fractionation of rosemary extracts obtained by pressurized liquid extraction to enhance their antiproliferative activity. <i>Journal of Supercritical Fluids</i> , 2016 , 107, 581-589	4.2	41
224	Application of stepwise discriminant analysis to classify commercial orange juices using chiral micellar electrokinetic chromatography-laser induced fluorescence data of amino acids. <i>Electrophoresis</i> , 2004 , 25, 2885-91	3.6	41
223	Improved capillary isoelectric focusing method for recombinant erythropoietin analysis. <i>Journal of Chromatography A</i> , 2002 , 968, 221-8	4.5	41
222	Nonaqueous and aqueous capillary electrophoresis of synthetic polymers. <i>Journal of Chromatography A</i> , 2005 , 1068, 59-73	4.5	41
221	Combined use of supercritical fluid extraction, micellar electrokinetic chromatography, and reverse phase high performance liquid chromatography for the analysis of antioxidants from rosemary (<i>Rosmarinus officinalis</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 4060-5	5.7	41
220	Micellar Electrokinetic Chromatography Applied to Copolymer Systems with Heterogeneous Distribution. <i>Macromolecules</i> , 1999 , 32, 610-617	5.5	41
219	Effect of pH and ionic strength of running buffer on peptide behavior in capillary electrophoresis: theoretical calculation and experimental evaluation. <i>Electrophoresis</i> , 1995 , 16, 516-24	3.6	41
218	Functional characterization of pressurized liquid extracts of <i>Spirulina platensis</i> . <i>European Food Research and Technology</i> , 2006 , 224, 75-81	3.4	40
217	Fast determination of procyanidins and other phenolic compounds in food samples by micellar electrokinetic chromatography using acidic buffers. <i>Electrophoresis</i> , 2001 , 22, 1561-7	3.6	40
216	Rectangular capillary electrophoresis: Some theoretical considerations. <i>Chromatographia</i> , 1994 , 39, 391-404	4.0	40
215	Anionic metabolite profiling by capillary electrophoresis-mass spectrometry using a noncovalent polymeric coating. Orange juice and wine as case studies. <i>Journal of Chromatography A</i> , 2016 , 1428, 326-335	4.5	39
214	Capillary electrophoresis using copolymers of different composition as physical coatings: a comparative study. <i>Electrophoresis</i> , 2006 , 27, 1041-9	3.6	39
213	Recent applications of on-line supercritical fluid extraction coupled to advanced analytical techniques for compounds extraction and identification. <i>Journal of Separation Science</i> , 2019 , 42, 243-257	4.4	39
212	A bioguided identification of the active compounds that contribute to the antiproliferative/cytotoxic effects of rosemary extract on colon cancer cells. <i>Food and Chemical Toxicology</i> , 2015 , 80, 215-222	4.7	38
211	Treatments of fused-silica capillaries and their influence on the electrophoretic characteristics of these columns before and after coating. <i>Journal of Chromatography A</i> , 1998 , 823, 561-571	4.5	38
210	Quantitation of chiral amino acids from microalgae by MEKC and LIF detection. <i>Electrophoresis</i> , 2007 , 28, 2701-9	3.6	38
209	Characterization by high-performance liquid chromatography/electrospray ionization quadrupole time-of-flight mass spectrometry of the lipid fraction of <i>Spirulina platensis</i> pressurized ethanol extract. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 1729-38	2.2	38

208	Capillary electrophoresis-mass spectrometry of <i>Spirulina platensis</i> proteins obtained by pressurized liquid extraction. <i>Electrophoresis</i> , 2005 , 26, 4215-24	3.6	38
207	Pressurized liquid extraction of <i>Neochloris oleoabundans</i> for the recovery of bioactive carotenoids with anti-proliferative activity against human colon cancer cells. <i>Food Research International</i> , 2017 , 99, 1048-1055	7	37
206	Highly reproducible capillary gel electrophoresis (CGE) of DNA fragments using uncoated columns. Detection of genetically modified maize by PCR-cGE. <i>Journal of Separation Science</i> , 2002 , 25, 577-583	3.4	37
205	Two-step sequential supercritical fluid extracts from rosemary with enhanced anti-proliferative activity. <i>Journal of Functional Foods</i> , 2014 , 11, 293-303	5.1	35
204	CE-MS of zein proteins from conventional and transgenic maize. <i>Electrophoresis</i> , 2007 , 28, 4192-201	3.6	35
203	Chiral analysis of pollutants and their metabolites by capillary electromigration methods. <i>Electrophoresis</i> , 2005 , 26, 3799-813	3.6	35
202	An integrated approach for the valorization of mango seed kernel: Efficient extraction solvent selection, phytochemical profiling and antiproliferative activity assessment. <i>Food Research International</i> , 2019 , 126, 108616	7	34
201	Rosemary (<i>Rosmarinus officinalis</i>) extract causes ROS-induced necrotic cell death and inhibits tumor growth in vivo. <i>Scientific Reports</i> , 2019 , 9, 808	4.9	34
200	Profiling of <i>Vitis vinifera</i> L. canes (poly)phenolic compounds using comprehensive two-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2018 , 1536, 205-215	4.5	34
199	Rosemary polyphenols induce unfolded protein response and changes in cholesterol metabolism in colon cancer cells. <i>Journal of Functional Foods</i> , 2015 , 15, 429-439	5.1	32
198	Theoretical description of the influence of external radial fields on the electroosmotic flow in capillary electrophoresis. <i>Analytical Chemistry</i> , 1996 , 68, 888-93	7.8	32
197	Comprehensive Proteomic Study of the Antiproliferative Activity of a Polyphenol-Enriched Rosemary Extract on Colon Cancer Cells Using Nanoliquid Chromatography-Orbitrap MS/MS. <i>Journal of Proteome Research</i> , 2016 , 15, 1971-85	5.6	32
196	Green Extraction of Bioactive Compounds from Microalgae. <i>Journal of Analysis and Testing</i> , 2018 , 2, 109-123	3.23	31
195	Time of flight versus ion trap MS coupled to CE to analyse intact proteins. <i>Journal of Separation Science</i> , 2008 , 31, 1810-8	3.4	31
194	Combining peptide modeling and capillary electrophoresis-mass spectrometry for characterization of enzymes cleavage patterns: recombinant versus natural bovine pepsin A. <i>Analytical Chemistry</i> , 2005 , 77, 7709-16	7.8	31
193	Drug delivery systems: polymers and drugs monitored by capillary electromigration methods. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 797, 37-49	3.2	31
192	Chiral analysis in food science. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 123, 115761	14.6	31
191	Nonaqueous capillary electrophoresis-mass spectrometry of synthetic polymers. <i>Analytical Chemistry</i> , 2004 , 76, 335-44	7.8	30

190	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	30
189	Chiral analysis of amino acids from conventional and transgenic yeasts. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 875, 243-7	3.2	29
188	Fast and easy coating for capillary electrophoresis based on a physically adsorbed cationic copolymer. <i>Journal of Chromatography A</i> , 2008 , 1204, 104-9	4.5	29
187	Simulation and optimization of peptide separation by capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 2002 , 23, 2288-95	3.6	29
186	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
185	Detection of microbial food contaminants and their products by capillary electromigration techniques. <i>Electrophoresis</i> , 2007 , 28, 4013-30	3.6	28
184	Application of Hansen solubility approach for the subcritical and supercritical selective extraction of phlorotannins from <i>Cystoseira abies-marina</i> . <i>RSC Advances</i> , 2016 , 6, 94884-94895	3.7	28
183	Formation and relevance of 5-hydroxymethylfurfural in bioactive subcritical water extracts from olive leaves. <i>Food Research International</i> , 2012 , 47, 31-37	7	27
182	Fast determination of Sudan dyes in chilli tomato sauces using partial filling micellar electrokinetic chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 11903-9	5.7	27
181	Chiral CE-MS. <i>Electrophoresis</i> , 2010 , 31, 1442-56	3.6	27
180	Profiling of different bioactive compounds in functional drinks by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2008 , 1188, 234-41	4.5	27
179	Comparison of different capillary electrophoresis methods for analysis of recombinant erythropoietin glycoforms. <i>Journal of Separation Science</i> , 2002 , 25, 1112-1118	3.4	27
178	Differences in capillary electrophoresis profiles of urinary and recombinant erythropoietin. <i>Electrophoresis</i> , 2003 , 24, 678-80	3.6	27
177	Controlled release of cyclosporine from VP-HEMA copolymer systems of adjustable resorption monitored by MEKC. <i>Biomaterials</i> , 2000 , 21, 915-21	15.6	27
176	Comparative Study of Green Sub- and Supercritical Processes to Obtain Carnosic Acid and Carnosol-Enriched Rosemary Extracts with in Vitro Anti-Proliferative Activity on Colon Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	27
175	Metabolomics of adherent mammalian cells by capillary electrophoresis-mass spectrometry: HT-29 cells as case study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 110, 83-92	3.5	26
174	GC-MS based metabolomics of colon cancer cells using different extraction solvents. <i>Analytica Chimica Acta</i> , 2017 , 986, 48-56	6.6	26
173	Development of a frit-free SPE-based in-column preconcentration system for capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 44, 471-6	3.5	26

172	Large-volume sample stacking-capillary electrophoresis used for the determination of 3-nitrotyrosine in rat urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004 , 809, 147-52	3.2	26
171	Optimum conditions for preparative operation of capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1995 , 716, 141-156	4.5	26
170	Evolution of oxidative stress parameters and response to oral vitamins E and C in streptozotocin-induced diabetic rats. <i>Journal of Pharmacy and Pharmacology</i> , 2008 , 60, 871-8	4.8	25
169	Quantitation of active ingredients and excipients in nasal sprays by high-performance liquid chromatography, capillary electrophoresis and UV spectroscopy. <i>Journal of Chromatography A</i> , 1998 , 823, 423-31	4.5	25
168	Combining microsatellite markers and capillary gel electrophoresis with laser-induced fluorescence to identify the grape (<i>Vitis vinifera</i>) variety of musts. <i>European Food Research and Technology</i> , 2006 , 223, 625-631	3.4	25
167	Fast and sensitive capillary electrophoresis method to quantitatively monitor ibuprofen enantiomers released from polymeric drug delivery systems. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002 , 767, 35-43	3.2	25
166	Isolation of antioxidant compounds from orange juice by using countercurrent supercritical fluid extraction (CC-SFE). <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 6039-44	5.7	25
165	Optimization of pressurized liquid extraction by response surface methodology of Goji berry (<i>Lycium barbarum</i> L.) phenolic bioactive compounds. <i>Electrophoresis</i> , 2018 , 39, 1673-1682	3.6	24
164	Dunaliella salina extract effect on diabetic rats: metabolic fingerprinting and target metabolite analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009 , 49, 786-92	3.5	24
163	Characterization and differentiation of diverse transgenic and nontransgenic soybean varieties from CE protein profiles. <i>Electrophoresis</i> , 2007 , 28, 2314-23	3.6	24
162	A multi-analytical platform based on pressurized-liquid extraction, in vitro assays and liquid chromatography/gas chromatography coupled to high resolution mass spectrometry for food by-products valorisation. Part 2: Characterization of bioactive compounds from goldenberry (<i>Physalis peruviana</i> L.) calyx extracts using hyphenated techniques. <i>Journal of Chromatography A</i> , 2014 , 1269, 360-5	4.5	24
161	Chiral separation of amino acids derivatised with fluorescein isothiocyanate by single isomer derivatives 3-monodeoxy-3-monoamino- β - and γ -cyclodextrins: the effect of the cavity size. <i>Journal of Chromatography A</i> , 2012 , 1269, 360-5	4.5	23
160	Mass distribution and focusing properties of carrier ampholytes for isoelectric focusing: I. Novel and unexpected results. <i>Electrophoresis</i> , 2006 , 27, 3919-34	3.6	23
159	Characterization of protein fractions from Bt-transgenic and non-transgenic maize varieties using perfusion and monolithic RP-HPLC. Maize differentiation by multivariate analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 3835-42	5.7	22
158	Development of a Green Downstream Process for the Valorization of Biomass. <i>Molecules</i> , 2019 , 24,	4.8	21
157	Development of green extraction processes for <i>Nannochloropsis gaditana</i> biomass valorization. <i>Electrophoresis</i> , 2018 , 39, 1875	3.6	21
156	Determination of phenolic compounds in ancient and modern durum wheat genotypes. <i>Electrophoresis</i> , 2018 , 39, 2001	3.6	21
155	Nano-liquid Chromatography-orbitrap MS-based Quantitative Proteomics Reveals Differences Between the Mechanisms of Action of Carnosic Acid and Carnosol in Colon Cancer Cells. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 8-22	7.6	21

154	Detection and quantitation of a bioactive compound in <i>Vicia narbonensis</i> L. seeds by capillary electrophoresis-mass spectrometry: a comparative study with UV detection. <i>Electrophoresis</i> , 2005 , 26, 2351-9	3.6	21
153	Rapid analysis of whey proteins from different animal species by reversed-phase high-performance liquid chromatography. <i>Zeitschrift Fur Lebensmittel-Untersuchung Und -Forschung</i> , 1992 , 195, 326-31		21
152	Food by-products and food wastes: are they safe enough for their valorization?. <i>Trends in Food Science and Technology</i> , 2021 , 114, 133-147	15.3	21
151	Polymethoxylated Flavones Target Cancer Stemness and Improve the Antiproliferative Effect of 5-Fluorouracil in a 3D Cell Model of Colorectal Cancer. <i>Nutrients</i> , 2019 , 11,	6.7	20
150	Simultaneous detection of genetically modified organisms by multiplex ligation-dependent genome amplification and capillary gel electrophoresis with laser-induced fluorescence. <i>Electrophoresis</i> , 2010 , 31, 2249-59	3.6	20
149	Compositional changes induced by UV-B radiation treatment of common bean and soybean seedlings monitored by capillary electrophoresis with diode array detection. <i>Journal of Separation Science</i> , 2007 , 30, 604-11	3.4	20
148	Identification and quantitation of cis-ketoconazole impurity by capillary zone electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2006 , 1114, 170-7	4.5	20
147	Analysis of antioxidants from orange juice obtained by countercurrent supercritical fluid extraction, using micellar electrokinetic chromatography and reverse-phase liquid chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 6648-52	5.7	20
146	Application of HPLC for the detection of proteins in whey mixtures from different animal species. <i>Journal of High Resolution Chromatography</i> , 1991 , 14, 289-291		20
145	Foodomics study on the effects of extracellular production of hydrogen peroxide by rosemary polyphenols on the anti-proliferative activity of rosemary polyphenols against HT-29 cells. <i>Electrophoresis</i> , 2016 , 37, 1795-804	3.6	20
144	Focusing and non-focusing modulation strategies for the improvement of on-line two-dimensional hydrophilic interaction chromatography. Reversed phase profiling of complex food samples. <i>Analytica Chimica Acta</i> , 2017 , 985, 202-212	6.6	19
143	Bioactives Obtained From Plants, Seaweeds, Microalgae and Food By-Products Using Pressurized Liquid Extraction and Supercritical Fluid Extraction. <i>Comprehensive Analytical Chemistry</i> , 2017 , 76, 27-51	1.9	19
142	Design of natural food antioxidant ingredients through a chemometric approach. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 787-92	5.7	19
141	A simple capillary gel electrophoresis approach for efficient and reproducible DNA separations. Analysis of genetically modified soy and maize. <i>Journal of Separation Science</i> , 2007 , 30, 579-85	3.4	19
140	Mass distribution, polydispersity and focusing properties of carrier ampholytes for IEF II: pH 4-6 intervals. <i>Electrophoresis</i> , 2006 , 27, 4849-58	3.6	19
139	Ultrafast sodium dodecyl sulfate micellar electrokinetic chromatography with very acidic running buffers. <i>Analytical Chemistry</i> , 2002 , 74, 257-60	7.8	19
138	A multi-analytical platform based on pressurized-liquid extraction, in vitro assays and liquid chromatography/gas chromatography coupled to high resolution mass spectrometry for food by-products valorisation. Part 1: Withanolides-rich fractions from goldenberry (<i>Physalis peruviana</i> L.) calyces obtained after extraction optimization as case study. <i>Journal of Chromatography A</i> , 2019 ,	4.5	19
137	Shotgun proteomic analysis to study the decrease of xenograft tumor growth after rosemary extract treatment. <i>Journal of Chromatography A</i> , 2017 , 1499, 90-100	4.5	18

136	Integrated strategy for the extraction and profiling of bioactive metabolites from <i>Passiflora mollissima</i> seeds combining pressurized-liquid extraction and gas/liquid chromatography-high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1595, 144-157	4.5	18
135	Foodomics, foodome and modern food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 96, 1	14.6	18
134	Sensitive and fast determination of Sudan dyes in chili powder by partial-filling micellar electrokinetic chromatography-tandem mass spectrometry. <i>Electrophoresis</i> , 2012 , 33, 705-12	3.6	18
133	Poly(N,N-dimethylacrylamide-co-4-(ethyl)-morpholine methacrylamide) copolymer as coating for CE. <i>Journal of Separation Science</i> , 2009 , 32, 605-12	3.4	18
132	Selective extraction of high-value phenolic compounds from distillation wastewater of basil (<i>Ocimum basilicum</i> L.) by pressurized liquid extraction. <i>Electrophoresis</i> , 2018 , 39, 1884	3.6	17
131	Fast and sensitive detection of genetically modified yeasts in wine. <i>Journal of Chromatography A</i> , 2011 , 1218, 7550-6	4.5	17
130	Multiple Peaks in HPLC of Proteins: Bovine Serum Albumin Eluted in a Reversed-Phase System. <i>Journal of High Resolution Chromatography</i> , 1998 , 21, 18-24		17
129	Simplified 2-D CE-MS mapping: analysis of proteolytic digests. <i>Electrophoresis</i> , 2007 , 28, 1335-44	3.6	17
128	Field amplified separation in capillary electrophoresis: a capillary electrophoresis mode. <i>Analytical Chemistry</i> , 2006 , 78, 7557-62	7.8	17
127	Modulated release of cyclosporine from soluble vinyl pyrrolidone--hydroxyethyl methacrylate copolymer hydrogels. A correlation of <i>Sn vitro</i> and <i>Sn vivo</i> experiments. <i>Journal of Controlled Release</i> , 2001 , 72, 1-11	11.7	17
126	Recent advances in mass spectrometry studies of non-covalent complexes of macrocycles - A review. <i>Analytica Chimica Acta</i> , 2019 , 1081, 32-50	6.6	16
125	A Foodomics approach: CE-MS for comparative metabolomics of colon cancer cells treated with dietary polyphenols. <i>Methods in Molecular Biology</i> , 2012 , 869, 185-95	1.4	16
124	Rapid characterisation of (glyphosate tolerant) transgenic and non-transgenic soybeans using chromatographic protein profiles. <i>Food Chemistry</i> , 2009 , 113, 1212-1217	8.5	16
123	Simultaneous confirmatory analysis of different transgenic maize (<i>zea mays</i>) lines using multiplex polymerase chain reaction-restriction analysis and capillary gel electrophoresis with laser induced fluorescence detection. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 8280-6	5.7	16
122	Mass distribution, polydispersity and focusing properties of carrier ampholytes for IEF. III: pH 2.5-4 intervals. <i>Electrophoresis</i> , 2007 , 28, 715-23	3.6	16
121	Meat-based functional foods for dietary equilibrium omega-6/omega-3. <i>Molecular Nutrition and Food Research</i> , 2008 , 52, 1153-61	5.9	16
120	Coelectroosmotic capillary electrophoresis of phenolic acids and derivatized amino acids using N,N-dimethylacrylamide-ethylpyrrolidine methacrylate physically coated capillaries. <i>Talanta</i> , 2007 , 71, 397-405	6.2	16
119	Recombinant growth hormone delivery systems based on vinylpyrrolidone-hydroxyethyl methacrylate copolymer matrices: monitoring optimization by capillary zone electrophoresis. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000 , 11, 993-1005	3.5	16

118	Capillary electrophoresis of peptides using rectangular and cylindrical geometries: a comparative study. <i>Electrophoresis</i> , 1995 , 16, 2051-9	3.6	16
117	Microwave-assisted extraction of phenolic compounds with antioxidant and anti-proliferative activities from supercritical CO ₂ pre-extracted mango peel as valorization strategy. <i>LWT - Food Science and Technology</i> , 2021 , 137, 110414	5.4	16
116	Capillary electrophoretic profiling of tryptic digests of water soluble proteins from <i>Bacillus thuringiensis</i> -transgenic and non-transgenic maize species. <i>Food Chemistry</i> , 2012 , 134, 1607-15	8.5	15
115	Detection of <i>Clostridium botulinum</i> neurotoxin coding genes: analysis of PCR products by real time versus capillary gel electrophoresis methods. <i>European Food Research and Technology</i> , 2008 , 227, 495-502	3.4	15
114	Estimation of the percentage of transgenic Bt maize in maize flour mixtures using perfusion and monolithic reversed-phase high-performance liquid chromatography and chemometric tools. <i>Food Chemistry</i> , 2008 , 111, 483-9	8.5	15
113	Capillary electrophoresis separation of rosemary antioxidants from subcritical water extracts. <i>European Food Research and Technology</i> , 2004 , 219, 549-556	3.4	15
112	Detection and differentiation of several food-spoilage lactic acid bacteria by multiplex polymerase chain reaction, capillary gel electrophoresis, and laser-induced fluorescence. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 5583-7	5.7	15
111	Micellar Electrokinetic Chromatography: A Powerful Analytical Tool To Study Copolymerization Reactions Involving Ionic Species. <i>Macromolecules</i> , 2002 , 35, 8315-8322	5.5	14
110	Rectangular capillary electrophoresis: study of some dispersive effects. <i>Journal of Chromatography A</i> , 1996 , 737, 243-253	4.5	14
109	In vitro neuroprotective potential of terpenes from industrial orange juice by-products. <i>Food and Function</i> , 2021 , 12, 302-314	6.1	14
108	Capillary electrophoresis-mass spectrometry for Peptide analysis: target-based approaches and proteomics/peptidomics strategies. <i>Methods in Molecular Biology</i> , 2013 , 984, 139-51	1.4	13
107	Monitoring ibuprofen enantiomers released from polymeric systems. <i>European Journal of Pharmaceutical Sciences</i> , 2002 , 16, 75-82	5.1	13
106	Recent advances and applications of metabolomics to investigate neurodegenerative diseases. <i>International Review of Neurobiology</i> , 2015 , 122, 95-132	4.4	12
105	Reproducible and efficient separation of aggregatable zein proteins by CZE using a volatile background electrolyte. <i>Electrophoresis</i> , 2007 , 28, 2988-97	3.6	12
104	Capillary electrophoresis-mass spectrometry of citrus endophytic bacteria siderophores. <i>Electrophoresis</i> , 2006 , 27, 2567-74	3.6	12
103	Potential of prodendronic polyamines with modulated segmental charge density as novel coating for fast and efficient analysis of peptides and basic proteins by CE and CE-MS. <i>Electrophoresis</i> , 2015 , 36, 1564-71	3.6	11
102	Supercritical antisolvent fractionation as a tool for enhancing antiproliferative activity of mango seed kernel extracts against colon cancer cells. <i>Journal of Supercritical Fluids</i> , 2019 , 152, 104563	4.2	11
101	CGE-laser induced fluorescence of double-stranded DNA fragments using GelGreen dye. <i>Electrophoresis</i> , 2013 , 34, 1555-62	3.6	11

100	Fast analysis of proteins in wines by capillary gel electrophoresis. <i>European Food Research and Technology</i> , 2002 , 214, 536-540	3.4	11
99	Foodomics Applications. <i>Comprehensive Analytical Chemistry</i> , 2018 , 643-685	1.9	10
98	Extraction and separation of water-soluble proteins from <i>Bacillus thuringiensis</i> -transgenic and non-transgenic maize species by CZE. <i>Journal of Separation Science</i> , 2009 , 32, 3801-8	3.4	10
97	Connections between structure and performance of four cationic copolymers used as physically adsorbed coatings in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2010 , 1217, 7586-92	4.5	10
96	Multiple peaks in high-performance liquid chromatography of proteins. beta-Lactoglobulins eluted in a hydrophobic interaction chromatography system. <i>Journal of Chromatography A</i> , 1997 , 778, 43-52	4.5	10
95	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
94	New pseudopeptidic cross-linker containing urea bonds: study of its degradation routes in aqueous media using capillary electrophoresis-mass spectrometry. <i>Biomacromolecules</i> , 2006 , 7, 720-7	6.9	10
93	Foodomics evaluation of the anti-proliferative potential of <i>Passiflora mollissima</i> seeds. <i>Food Research International</i> , 2020 , 130, 108938	7	10
92	Compressed CO ₂ Technologies for the Recovery of Carotenoid-Enriched Extracts from <i>Dunaliella salina</i> with Potential Neuroprotective Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11413-11423	8.3	10
91	Capillary Electrophoresis in Food and Foodomics. <i>Methods in Molecular Biology</i> , 2016 , 1483, 471-507	1.4	10
90	Background correction in separation techniques hyphenated to high-resolution mass spectrometry - Thorough correction with mass spectrometry scans recorded as profile spectra. <i>Journal of Chromatography A</i> , 2017 , 1492, 98-105	4.5	9
89	Current research in biotechnology: Exploring the biotech forefront. <i>Current Research in Biotechnology</i> , 2019 , 1, 34-40	4.8	9
88	Anti-proliferative bioactivity against HT-29 colon cancer cells of a withanolides-rich extract from golden berry (<i>Physalis peruviana</i> L.) calyx investigated by Foodomics. <i>Journal of Functional Foods</i> , 2019 , 63, 103567	5.1	9
87	Comparison of Extraction Techniques and Surfactants for the Isolation of Total Polyphenols and Phlorotannins from the Brown Algae <i>Lobophora variegata</i> . <i>Analytical Letters</i> , 2019 , 52, 2724-2740	2.2	9
86	Combining ligation reaction and capillary gel electrophoresis to obtain reliable long DNA probes. <i>Journal of Separation Science</i> , 2011 , 34, 1011-9	3.4	9
85	Capillary electrophoresis using air and helium as cooling fluids. <i>Journal of Separation Science</i> , 1995 , 7, 365-374		9
84	Cherry stem infusions: antioxidant potential and phenolic profile by UHPLC-ESI-QTOF-MS. <i>Food and Function</i> , 2020 , 11, 3471-3482	6.1	8
83	Metabolomics study of early metabolic changes in hepatic HepaRG cells in response to rosemary diterpenes exposure. <i>Analytica Chimica Acta</i> , 2018 , 1037, 140-151	6.6	8

82	Proteomics in Food Science 2013 , 125-165		8
81	Foodomics. <i>Comprehensive Analytical Chemistry</i> , 2014 , 395-440	1.9	8
80	Modification of Resolution in Capillary Electrophoresis for Protein Profiling in Identification of Genetic Modification in Foods. <i>Croatica Chemica Acta</i> , 2011 , 84, 375-382	0.8	8
79	Improved methodology for the characterisation of transgenic Bt-11 maize cultivars using RP-HPLC profiles of albumin, globulin, prolamin, and glutelin protein fractions and chemometric analysis. <i>Food Chemistry</i> , 2010 , 120, 1229-1237	8.5	8
78	Capillary electrophoresis-mass spectrometry of a new cross-linker with acrylic functionality. <i>Electrophoresis</i> , 2006 , 27, 2250-8	3.6	8
77	Neuroprotective Effect of Terpenoids Recovered from Olive Oil By-Products. <i>Foods</i> , 2021 , 10,	4.9	8
76	Impact of Extreme Obesity and Diet-Induced Weight Loss on the Fecal Metabolome and Gut Microbiota. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2000030	5.9	8
75	Phytochemical and Functional Characterization of Phenolic Compounds from Cowpea (<i>Vigna unguiculata</i> (L.) Walp.) Obtained by Green Extraction Technologies. <i>Agronomy</i> , 2021 , 11, 162	3.6	8
74	Pressurized Liquid Extraction of Pigments from <i>Chlamydomonas</i> sp. and Chemical Characterization by HPLCMS/MS. <i>Journal of Analysis and Testing</i> , 2018 , 2, 149-157	3.2	8
73	Green extraction techniques 2015. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 71, 1	14.6	7
72	Editorial overview: Foodomics technologies: Foodomics: exploring safety, quality and bioactivity of foods in the 21st century. <i>Current Opinion in Food Science</i> , 2015 , 4, 136-138	9.8	7
71	Preventive potential and mechanism of dietary polyphenols on the formation of heterocyclic aromatic amines. <i>Food Frontiers</i> , 2020 , 1, 134-151	4.2	7
70	Non-invasive metabolomics for improved determination of embryonic sex markers in chemically defined culture medium. <i>Journal of Chromatography A</i> , 2016 , 1474, 138-144	4.5	7
69	Introducing the concept of centergram. A new tool to squeeze data from separation techniques-mass spectrometry couplings. <i>Journal of Chromatography A</i> , 2014 , 1330, 89-96	4.5	7
68	Foodomics: Principles and Applications 2013 , 1-13		7
67	Accelerated Solvent Extraction: A New Procedure To Obtain Functional Ingredients from Natural Sources. <i>ACS Symposium Series</i> , 2006 , 65-78	0.4	7
66	Metabolomics study of COVID-19 patients in four different clinical stages.. <i>Scientific Reports</i> , 2022 , 12, 1650	4.9	7
65	Compressed fluids and phytochemical profiling tools to obtain and characterize antiviral and anti-inflammatory compounds from natural sources. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 129, 115942	14.6	6

64	Use of detergents and high contents of organic solvents for simultaneous quantitation of ionic and nonionic drugs by electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1998 , 824, 99-108	4.5	6
63	Neuroprotective Potential and Lipidomics Study of Olive Leaves Extracts Enriched in Triterpenoids. <i>Frontiers in Nutrition</i> , 2021 , 8, 769218	6.2	6
62	Finnee [A Matlab toolbox for separation techniques hyphenated high resolution mass spectrometry dataset. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016 , 155, 138-144	3.8	6
61	Chemical characterization of leaves and calli extracts of <i>Rosmarinus officinalis</i> by UHPLC-MS. <i>Electrophoresis</i> , 2020 , 41, 1776-1783	3.6	6
60	Foodomics: LC and LC-MS-based omics strategies in food science and nutrition 2017 , 267-299		5
59	Foodomics: Analytical Opportunities and Challenges. <i>Analytical Chemistry</i> , 2021 ,	7.8	5
58	Phytosterol-rich compressed fluids extracts from <i>Phormidium autumnale</i> cyanobacteria with neuroprotective potential. <i>Algal Research</i> , 2021 , 55, 102264	5	5
57	Extraction and Mass Spectrometric Characterization of Terpenes Recovered from Olive Leaves Using a New Adsorbent-Assisted Supercritical CO Process. <i>Foods</i> , 2021 , 10,	4.9	5
56	Recovery of ascorbic acid, phenolic compounds and carotenoids from acerola by-products: An opportunity for their valorization. <i>LWT - Food Science and Technology</i> , 2021 , 146, 111654	5.4	5
55	Algorithm for comprehensive analysis of datasets from hyphenated high resolution mass spectrometric techniques using single ion profiles and cluster analysis. <i>Journal of Chromatography A</i> , 2016 , 1429, 134-41	4.5	4
54	Decreased cerebrospinal fluid levels of L-carnitine in non-apolipoprotein E4 carriers at early stages of Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2014 , 41, 223-32	4.3	4
53	Next Generation Instruments and Methods for Proteomics 2013 , 15-67		4
52	Characterization of cheese proteolysis by capillary electrophoresis and reverse-phase HPLC analyses of peptides. <i>European Food Research and Technology</i> , 1998 , 206, 259-263		4
51	A systematic study on the interactions between carnosic acid and ethylpyrrolidine methacrylate-methyl methacrylate copolymer in supercritical media. <i>Journal of Supercritical Fluids</i> , 2007 , 41, 452-460	4.2	4
50	Mass spectrometry detection in capillary electrophoresis. <i>Comprehensive Analytical Chemistry</i> , 2005 , 45, 441-517	1.9	4
49	Behavior of whey proteins in hydrophobic interaction chromatography. <i>Journal of High Resolution Chromatography</i> , 1996 , 19, 521-526		4
48	Stability Studies of Starch Aerogel Formulations for Biomedical Applications. <i>Biomacromolecules</i> , 2020 , 21, 5336-5344	6.9	4
47	Metabolomics as a Tool to Study Underused Soy Parts: In Search of Bioactive Compounds. <i>Foods</i> , 2021 , 10,	4.9	4

46	Mycotoxin extraction from edible insects with natural deep eutectic solvents: a green alternative to conventional methods. <i>Journal of Chromatography A</i> , 2021 , 1648, 462180	4.5	4
45	Green food analysis: Current trends and perspectives. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 31, 100522	7.9	4
44	Compositional analysis of foods 2017 , 359-380		3
43	Metabolomics in Alzheimer's disease research. <i>Electrophoresis</i> , 2013 , 34, n/a-n/a	3.6	3
42	Measuring the length of hydrodynamically injected plugs in capillary electrophoresis using the electrical current monitoring. <i>Electrophoresis</i> , 2006 , 27, 4166-73	3.6	3
41	Pressurized liquid extracts from <i>Spirulina platensis</i> microalga. <i>Journal of Chromatography A</i> , 2004 , 1047, 195-203	4.5	3
40	Comprehensive Phenolic and Free Amino Acid Analysis of Rosemary Infusions: Influence on the Antioxidant Potential. <i>Antioxidants</i> , 2021 , 10,	7.1	3
39	Extraction and Characterization of the Polar Lipid Fraction of Blackberry and Passion Fruit Seeds Oils Using Supercritical Fluid Extraction. <i>Food Analytical Methods</i> , 2021 , 14, 2026-2037	3.4	3
38	Capillary electromigration methods for food analysis and Foodomics: Advances and applications in the period February 2019-February 2021. <i>Electrophoresis</i> , 2021 ,	3.6	3
37	Proteomic-based Techniques for the Characterization of Food Allergens 2013 , 69-99		2
36	Green Foodomics 2013 , 471-506		2
35	Ultrarapid quantitation of maize proteins by perfusion and monolithic reversed-phase high-performance liquid chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 3014-21	5.7	2
34	Selective Extraction of Piceatannol from by-Products: Application of HSPs Strategy and Inhibition of Neurodegenerative Enzymes. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
33	Foodomics of Bioactive Compounds From Tropical Fruits By-Products 2021 , 672-688		2
32	Study of the reaction between genipin and amino acids, dairy proteins, and milk to form a blue colorant ingredient. <i>Food Research International</i> , 2022 , 157, 111240	7	2
31	Foodomics evaluation of genetically modified organisms 2020 , 657-695		1
30	Electrophoretic Technique: Capillary Zone Electrophoresis 2018 , 659-685		1
29	Foodomics Strategies for the Analysis of Genetically Modified Crops 2014 , 15-44		1

28	Ms-Based Metabolomics in Nutrition and Health Research 2013 , 245-270		1
27	Ms-based Omics Evaluation of Phenolic Compounds as Functional Ingredients 2013 , 415-427		1
26	A Foodomics Approach: CE-MS for Comparative Metabolomics of Colon Cancer Cells Treated with Dietary Polyphenols. <i>Methods in Molecular Biology</i> , 2019 , 1855, 303-313	1.4	1
25	Omics Foodomics: Overview 2018 , 53-53		1
24	Metabolite Profiling of Rosemary Cell Lines with Antiproliferative Potential against Human HT-29 Colon Cancer Cells. <i>Plant Foods for Human Nutrition</i> , 2021 , 76, 319-325	3.9	1
23	Integrated green-based methods to recover bioactive compounds from by-product of acerola processing. <i>LWT - Food Science and Technology</i> , 2021 , 151, 112104	5.4	1
22	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
21	Neuroprotective Potential of Tamarillo () Epicarp Extracts Obtained by Sustainable Extraction Process. <i>Frontiers in Nutrition</i> , 2021 , 8, 769617	6.2	1
20	One-step sustainable extraction of Silymarin compounds of wild Algerian milk thistle (<i>Silybum marianum</i>) seeds using Gas Expanded Liquids.. <i>Journal of Chromatography A</i> , 2022 , 463147	4.5	1
19	Effect of the formation of capsules of tetra(propyl) pyrogallol[4]arene on the host-guest interaction with neurotransmitters. <i>Journal of Molecular Structure</i> , 2020 , 1210, 128063	3.4	0
18	Protein valorization from ora-pro-nobis leaves by compressed fluids biorefinery extractions. <i>Innovative Food Science and Emerging Technologies</i> , 2022 , 76, 102926	6.8	0
17	Neuroprotective potential of terpenoid-rich extracts from orange juice by-products obtained by pressurized liquid extraction.. <i>Food Chemistry: X</i> , 2022 , 13, 100242	4.7	0
16	Comparison of different extraction methods of Brazilian "pacov" (Gagnep.) oilseeds for the determination of lipid and terpene composition, antioxidant capacity, and inhibitory effect on neurodegenerative enzymes. <i>Food Chemistry: X</i> , 2021 , 12, 100140	4.7	0
15	Hansen Solubility Parameters for Selection of Green Extraction Solvents 2021 , 710-724		0
14	Carotenogenesis of <i>Staphylococcus aureus</i> : New insights and impact on membrane biophysical properties. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021 , 1866, 158941	5	0
13	HPLC-DAD-APCI-MS as a Tool for Carotenoid Assessment of Wild and Cultivated Cherry Tomatoes. <i>Horticulturae</i> , 2021 , 7, 272	2.5	0
12	Neuroprotective potential of extracts from leaves of ora-pro-nobis (<i>Pereskia aculeata</i>) recovered by clean compressed fluids. <i>Journal of Supercritical Fluids</i> , 2022 , 179, 105390	4.2	0
11	Study of the potential neuroprotective effect of <i>Dunaliella salina</i> extract in SH-SY5Y cell model.. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	0

- 10 Comparison of Four Oil Extraction Methods for Sinami Fruit (*Oenocarpus mapora* H. Karst): Evaluating Quality, Polyphenol Content and Antioxidant Activity. *Foods*, **2022**, 11, 1518 4.9 ○
- 9 CE-MS in Food Analysis and Foodomics **2016**, 193-215
- 8 Proteomics in Nutritional Systems Biology: Defining Health **2013**, 167-189
- 7 MS-Based Methodologies for Transgenic Foods Development and Characterization **2013**, 191-220
- 6 Shaping the Future of Personalized Nutrition with Metabolomics **2013**, 271-301
- 5 How Does Foodomics Impact Optimal Nutrition? **2013**, 303-349
- 4 Lipidomics **2013**, 351-379
- 3 Chemometrics, Mass Spectrometry, and Foodomics **2013**, 507-538
- 2 A Particular Case of Novel Food **2012**, 575-597
- 1 Chemometric Methods for the Optimization of CE and CE-MS in Pharmaceutical, Environmental, and Food Analysis **2012**, 133-168