

Alejandro Cifuentes

List of Publications by Year in Descending Order

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

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	Metabolomics study of COVID-19 patients in four different clinical stages.. <i>Scientific Reports</i> , 2022 , 12, 1650	4.9	7
350	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
349	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
348	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
347	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
346	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
345	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
344	Comparison of Four Oil Extraction Methods for Sinami Fruit (<i>Oenocarpus mapora</i> H. Karst): Evaluating Quality, Polyphenol Content and Antioxidant Activity. <i>Foods</i> , 2022 , 11, 1518	4.9	0
343	Foodomics: Analytical Opportunities and Challenges. <i>Analytical Chemistry</i> , 2021 ,	7.8	5
342	Neuroprotective Potential and Lipidomics Study of Olive Leaves Extracts Enriched in Triterpenoids. <i>Frontiers in Nutrition</i> , 2021 , 8, 769218	6.2	6
341	Comparison of different extraction methods of Brazilian "pacovã" (<i>Gagnep.</i>) 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
340	Comprehensive Phenolic and Free Amino Acid Analysis of Rosemary Infusions: Influence on the Antioxidant Potential. <i>Antioxidants</i> , 2021 , 10,	7.1	3
339	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
338	Phytosterol-rich compressed fluids extracts from <i>Phormidium autumnale</i> cyanobacteria with neuroprotective potential. <i>Algal Research</i> , 2021 , 55, 102264	5	5
337	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
336	Neuroprotective Effect of Terpenoids Recovered from Olive Oil By-Products. <i>Foods</i> , 2021 , 10,	4.9	8
335	Metabolomics as a Tool to Study Underused Soy Parts: In Search of Bioactive Compounds. <i>Foods</i> , 2021 , 10,	4.9	4

334	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
333	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
332	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
331	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
330	In vitro neuroprotective potential of terpenes from industrial orange juice by-products. <i>Food and Function</i> , 2021 , 12, 302-314	6.1	14
329	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
328	Hansen Solubility Parameters for Selection of Green Extraction Solvents 2021 , 710-724		0
327	Foodomics of Bioactive Compounds From Tropical Fruits By-Products 2021 , 672-688		2
326	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
325	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
324	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
323	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
322	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
321	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
320	Green food analysis: Current trends and perspectives. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 31, 100522	7.9	4
319	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
318	Natural products in drug discovery: advances and opportunities. <i>Nature Reviews Drug Discovery</i> , 2021 , 20, 200-216	64.1	522
317	Neuroprotective Potential of Tamarillo () Epicarp Extracts Obtained by Sustainable Extraction Process. <i>Frontiers in Nutrition</i> , 2021 , 8, 769617	6.2	1

316	Study of the potential neuroprotective effect of Dunaliella salina extract in SH-SY5Y cell model.. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	0
315	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
314	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
313	Foodomics evaluation of genetically modified organisms 2020 , 657-695		1
312	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
311	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
310	Foodomics evaluation of the anti-proliferative potential of Passiflora mollissima seeds. <i>Food Research International</i> , 2020 , 130, 108938	7	10
309	Chiral analysis in food science. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 123, 115761	14.6	31
308	Compressed CO2 Technologies for the Recovery of Carotenoid-Enriched Extracts from Dunaliella salina with Potential Neuroprotective Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11413-11423	8.3	10
307	Stability Studies of Starch Aerogel Formulations for Biomedical Applications. <i>Biomacromolecules</i> , 2020 , 21, 5336-5344	6.9	4
306	Chemical characterization of leaves and calli extracts of Rosmarinus officinalis by UHPLC-MS. <i>Electrophoresis</i> , 2020 , 41, 1776-1783	3.6	6
305	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
304	Current research in biotechnology: Exploring the biotech forefront. <i>Current Research in Biotechnology</i> , 2019 , 1, 34-40	4.8	9
303	Anti-proliferative bioactivity against HT-29 colon cancer cells of a withanolides-rich extract from golden berry (Physalis peruviana L.) calyx investigated by Foodomics. <i>Journal of Functional Foods</i> , 2019 , 63, 103567	5.1	9
302	Rosemary (Rosmarinus officinalis) extract causes ROS-induced necrotic cell death and inhibits tumor growth in vivo. <i>Scientific Reports</i> , 2019 , 9, 808	4.9	34
301	Development of a Green Downstream Process for the Valorization of Biomass. <i>Molecules</i> , 2019 , 24,	4.8	21
300	Hansen solubility parameters for selection of green extraction solvents. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 118, 227-237	14.6	44
299	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

298	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
297	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
296	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
295	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
294	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	3.4	39
293	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
292	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>) calyces extracts using hyphenated techniques. <i>Journal of Chromatography A</i> , 2019 , 1634, 116-124	4.5	24
291	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 , 1634, 125-134	4.5	19
290	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
289	Development of green extraction processes for <i>Nannochloropsis gaditana</i> biomass valorization. <i>Electrophoresis</i> , 2018 , 39, 1875	3.6	21
288	Determination of phenolic compounds in ancient and modern durum wheat genotypes. <i>Electrophoresis</i> , 2018 , 39, 2001	3.6	21
287	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
286	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
285	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
284	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
283	Recent advances in the application of capillary electromigration methods for food analysis and Foodomics. <i>Electrophoresis</i> , 2018 , 39, 136-159	3.6	49
282	Foodomics Applications. <i>Comprehensive Analytical Chemistry</i> , 2018 , 643-685	1.9	10
281	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

280	Electrophoretic Technique: Capillary Zone Electrophoresis 2018 , 659-685		1
279	Green Extraction of Bioactive Compounds from Microalgae. <i>Journal of Analysis and Testing</i> , 2018 , 2, 109-123	3.23	31
278	Omics Foodomics: Overview 2018 , 53-53		1
277	Pressurized Liquid Extraction of Pigments from <i>Chlamydomonas</i> sp. and Chemical Characterization by HPLC/MS/MS. <i>Journal of Analysis and Testing</i> , 2018 , 2, 149-157	3.2	8
276	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
275	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
274	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
273	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
272	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
271	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
270	Compositional analysis of foods 2017 , 359-380		3
269	Foodomics, foodome and modern food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 96, 1	14.6	18
268	GC-MS based metabolomics of colon cancer cells using different extraction solvents. <i>Analytica Chimica Acta</i> , 2017 , 986, 48-56	6.6	26
267	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
266	Foodomics evaluation of bioactive compounds in foods. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 96, 2-13	14.6	52
265	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
264	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
263	On-line coupling of supercritical fluid extraction and chromatographic techniques. <i>Journal of Separation Science</i> , 2017 , 40, 213-227	3.4	42

262	Foodomics: LC and LC-MS-based omics strategies in food science and nutrition 2017 , 267-299		5
261	Recent advances in the application of capillary electromigration methods for food analysis and Foodomics. <i>Electrophoresis</i> , 2016 , 37, 111-41	3.6	59
260	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
259	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
258	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, 326-35	4.5	39
257	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
256	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
255	CE-MS in Food Analysis and Foodomics 2016 , 193-215		
254	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
253	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
252	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
251	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
250	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
249	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
248	Capillary Electrophoresis in Food and Foodomics. <i>Methods in Molecular Biology</i> , 2016 , 1483, 471-507	1.4	10
247	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
246	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
245	Green extraction techniques 2015. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 71, 1	14.6	7

244	Downstream processing of <i>Isochrysis galbana</i> : a step towards microalgal biorefinery. <i>Green Chemistry</i> , 2015 , 17, 4599-4609	10	113
243	Recent advances and applications of metabolomics to investigate neurodegenerative diseases. <i>International Review of Neurobiology</i> , 2015 , 122, 95-132	4.4	12
242	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
241	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
240	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
239	The role of direct high-resolution mass spectrometry in foodomics. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 6275-87	4.4	60
238	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
237	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
236	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
235	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
234	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
233	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
232	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
231	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
230	Foodomics Strategies for the Analysis of Genetically Modified Crops 2014 , 15-44		1
229	Foodomics. <i>Comprehensive Analytical Chemistry</i> , 2014 , 395-440	1.9	8
228	Metabolomics of genetically modified crops. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 18941666		63
227	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

226	Recent advances in the application of capillary electromigration methods for food analysis and Foodomics. <i>Electrophoresis</i> , 2014 , 35, 147-69	3.6	66
225	Optimization of clean extraction methods to isolate carotenoids from the microalga <i>Neochloris oleoabundans</i> and subsequent chemical characterization using liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 4607-16	4.4	68
224	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
223	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
222	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
221	Foodomics: Principles and Applications 2013 , 1-13		7
220	Next Generation Instruments and Methods for Proteomics 2013 , 15-67		4
219	Proteomic-based Techniques for the Characterization of Food Allergens 2013 , 69-99		2
218	Proteomics in Food Science 2013 , 125-165		8
217	Proteomics in Nutritional Systems Biology: Defining Health 2013 , 167-189		
216	MS-Based Methodologies for Transgenic Foods Development and Characterization 2013 , 191-220		
215	Ms-Based Metabolomics in Nutrition and Health Research 2013 , 245-270		1
214	Shaping the Future of Personalized Nutrition with Metabolomics 2013 , 271-301		
213	How Does Foodomics Impact Optimal Nutrition? 2013 , 303-349		
212	Lipidomics 2013 , 351-379		
211	Ms-based Omics Evaluation of Phenolic Compounds as Functional Ingredients 2013 , 415-427		1
210	Chemometrics, Mass Spectrometry, and Foodomics 2013 , 507-538		
209	Green Foodomics 2013 , 471-506		2

208	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
207	Metabolomics in Alzheimer's disease research. <i>Electrophoresis</i> , 2013 , 34, n/a-n/a	3.6	3
206	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
205	A new metabolomic workflow for early detection of Alzheimer's disease. <i>Journal of Chromatography A</i> , 2013 , 1302, 65-71	4.5	67
204	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
203	CGE-laser induced fluorescence of double-stranded DNA fragments using GelGreen dye. <i>Electrophoresis</i> , 2013 , 34, 1555-62	3.6	11
202	Recent advances in the application of capillary electromigration methods for food analysis and Foodomics. <i>Electrophoresis</i> , 2012 , 33, 147-67	3.6	77
201	Foodomics: MS-based strategies in modern food science and nutrition. <i>Mass Spectrometry Reviews</i> , 2012 , 31, 49-69	11	291
200	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
199	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
198	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
197	Present and future challenges in food analysis: foodomics. <i>Analytical Chemistry</i> , 2012 , 84, 10150-9	7.8	196
196	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, 245-253	5.4	79
195	Global Foodomics strategy to investigate the health benefits of dietary constituents. <i>Journal of Chromatography A</i> , 2012 , 1248, 139-53	4.5	96
194	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
193	Effect of dietary polyphenols on K562 leukemia cells: a Foodomics approach. <i>Electrophoresis</i> , 2012 , 33, 2314-27	3.6	46
192	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
191	A Particular Case of Novel Food 2012 , 575-597		

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