

# Alberto Valdes

## 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.

54  
papers

1,040  
citations

20  
h-index

31  
g-index

58  
ext. papers

1,246  
ext. citations

5.4  
avg, IF

4.56  
L-index

#	Paper	IF	Citations
54	Neuroprotective potential of terpenoid-rich extracts from orange juice by-products obtained by pressurized liquid extraction.. <i>Food Chemistry: X</i> , <b>2022</b> , 13, 100242	4.7	0
53	Foodomics: Analytical Opportunities and Challenges. <i>Analytical Chemistry</i> , <b>2021</b> ,	7.8	5
52	Neuroprotective Potential and Lipidomics Study of Olive Leaves Extracts Enriched in Triterpenoids. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 769218	6.2	6
51	Comprehensive metabolomic study of the response of HK-2 cells to hyperglycemic hypoxic diabetic-like milieu. <i>Scientific Reports</i> , <b>2021</b> , 11, 5058	4.9	5
50	Proteomic comparison between different tissue preservation methods for identification of promising biomarkers of urothelial bladder cancer. <i>Scientific Reports</i> , <b>2021</b> , 11, 7595	4.9	0
49	Neuroprotective Effect of Terpenoids Recovered from Olive Oil By-Products. <i>Foods</i> , <b>2021</b> , 10,	4.9	8
48	Chapter 1:Foodomics Fundamentals, State of the Art and Future Trends. <i>Food Chemistry, Function and Analysis</i> , <b>2021</b> , 1-53	0.6	4
47	Food by-products and food wastes: are they safe enough for their valorization?. <i>Trends in Food Science and Technology</i> , <b>2021</b> , 114, 133-147	15.3	21
46	Capillary electromigration methods for food analysis and Foodomics: Advances and applications in the period February 2019-February 2021. <i>Electrophoresis</i> , <b>2021</b> ,	3.6	3
45	Neuroprotective Potential of Tamarillo () Epicarp Extracts Obtained by Sustainable Extraction Process. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 769617	6.2	1
44	Study of the potential neuroprotective effect of Dunaliella salina extract in SH-SY5Y cell model.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 1	4.4	0
43	Isolation of proteins from spent coffee grounds. Polyphenol removal and peptide identification in the protein hydrolysates by RP-HPLC-ESI-Q-TOF. <i>Food Research International</i> , <b>2020</b> , 137, 109368	7	7
42	Time-series proteomic study of the response of HK-2 cells to hyperglycemic, hypoxic diabetic-like milieu. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235118	3.7	3
41	Phosphorylation Time-Course Study of the Response during Adenovirus Type 2 Infection. <i>Proteomics</i> , <b>2020</b> , 20, e1900327	4.8	3
40	Mass Spectrometry-Based Analysis of Time-Resolved Proteome Quantification. <i>Proteomics</i> , <b>2020</b> , 20, e1800425	4.8	
39	Foodomics evaluation of the anti-proliferative potential of Passiflora mollissima seeds. <i>Food Research International</i> , <b>2020</b> , 130, 108938	7	10
38	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> , <b>2019</b> , 63, 103567	5.1	9

37	Rosemary ( <i>Rosmarinus officinalis</i> ) extract causes ROS-induced necrotic cell death and inhibits tumor growth in vivo. <i>Scientific Reports</i> , <b>2019</b> , 9, 808	4.9	34
36	Development of MS-based methods for identification and quantification of proteins altered during early pregnancy in dogs. <i>Journal of Proteomics</i> , <b>2019</b> , 192, 223-232	3.9	5
35	Transcriptomic and proteomic analyses reveal new insights into the regulation of immune pathways during adenovirus type 2 infection. <i>BMC Microbiology</i> , <b>2019</b> , 19, 15	4.5	5
34	Development of a Parallel Reaction Monitoring-MS Method To Quantify IGF Proteins in Dogs and a Case of Nonislet Cell Tumor Hypoglycemia. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 18-29	5.6	3
33	Parallel Proteomic Workflow for Mass Spectrometric Analysis of Tissue Samples Preserved by Different Methods. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5841-5849	7.8	11
32	Metabolomics study of early metabolic changes in hepatic HepaRG cells in response to rosemary diterpenes exposure. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1037, 140-151	6.6	8
31	Foodomics Applications. <i>Comprehensive Analytical Chemistry</i> , <b>2018</b> , 643-685	1.9	10
30	Time-resolved proteomics of adenovirus infected cells. <i>PLoS ONE</i> , <b>2018</b> , 13, e0204522	3.7	12
29	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> , <b>2017</b> , 99, 1048-1055	7	37
28	Shotgun proteomic analysis to study the decrease of xenograft tumor growth after rosemary extract treatment. <i>Journal of Chromatography A</i> , <b>2017</b> , 1499, 90-100	4.5	18
27	Temporal characterization of the non-structural Adenovirus type 2 proteome and phosphoproteome using high-resolving mass spectrometry. <i>Virology</i> , <b>2017</b> , 511, 240-248	3.6	6
26	Foodomics evaluation of bioactive compounds in foods. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 96, 2-13	14.6	52
25	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> , <b>2017</b> , 16, 8-22	7.6	21
24	Foodomics: LC and LC-MS-based omics strategies in food science and nutrition <b>2017</b> , 267-299		5
23	Supercritical antisolvent fractionation of rosemary extracts obtained by pressurized liquid extraction to enhance their antiproliferative activity. <i>Journal of Supercritical Fluids</i> , <b>2016</b> , 107, 581-589	4.2	41
22	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> , <b>2016</b> , 37, 1795-804	3.6	20
21	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> , <b>2016</b> , 15, 1971-85	5.6	32
20	Capillary Electrophoresis in Food and Foodomics. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1483, 471-507	1.4	10

19	A fully automated method for simultaneous determination of aflatoxins and ochratoxin A in dried fruits by pressurized liquid extraction and online solid-phase extraction cleanup coupled to ultra-high-pressure liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 2899-911	4.4	45
18	Metabolomics of adherent mammalian cells by capillary electrophoresis-mass spectrometry: HT-29 cells as case study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 110, 83-92	3.5	26
17	Rosemary polyphenols induce unfolded protein response and changes in cholesterol metabolism in colon cancer cells. <i>Journal of Functional Foods</i> , <b>2015</b> , 15, 429-439	5.1	32
16	Direct Mass Spectrometry-Based Approaches in Metabolomics. <i>Comprehensive Analytical Chemistry</i> , <b>2014</b> , 235-253	1.9	3
15	Two-step sequential supercritical fluid extracts from rosemary with enhanced anti-proliferative activity. <i>Journal of Functional Foods</i> , <b>2014</b> , 11, 293-303	5.1	35
14	Comprehensive foodomics study on the mechanisms operating at various molecular levels in cancer cells in response to individual rosemary polyphenols. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 9807-15	7.8	48
13	Foodomics Strategies for the Analysis of Genetically Modified Crops <b>2014</b> , 15-44		1
12	Profiling of Genetically Modified Organisms Using Omics Technologies. <i>Comprehensive Analytical Chemistry</i> , <b>2014</b> , 349-373	1.9	1
11	Emerging RNA-Seq Applications in Food Science. <i>Comprehensive Analytical Chemistry</i> , <b>2014</b> , 107-128	1.9	2
10	Metabolomics in the Study of Alzheimer's Disease. <i>Comprehensive Analytical Chemistry</i> , <b>2014</b> , 64, 249-278	8.9	1
9	Metabolomics of genetically modified crops. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 18941666	6.6	63
8	Foodomics strategies for the analysis of transgenic foods. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 52, 2-15	14.6	39
7	Recent transcriptomics advances and emerging applications in food science. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 52, 142-154	14.6	44
6	MS-Based Methodologies for Transgenic Foods Development and Characterization <b>2013</b> , 191-220		
5	Novel MS-based approaches and applications in food metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 52, 100-111	14.6	68
4	Effect of rosemary polyphenols on human colon cancer cells: transcriptomic profiling and functional enrichment analysis. <i>Genes and Nutrition</i> , <b>2013</b> , 8, 43-60	4.3	62
3	CGE-laser induced fluorescence of double-stranded DNA fragments using GelGreen dye. <i>Electrophoresis</i> , <b>2013</b> , 34, 1555-62	3.6	11
2	Global Foodomics strategy to investigate the health benefits of dietary constituents. <i>Journal of Chromatography A</i> , <b>2012</b> , 1248, 139-53	4.5	96

1 Effect of dietary polyphenols on K562 leukemia cells: a Foodomics approach. *Electrophoresis*, **2012**, 33, 2314-27 3.6 46