

Alberto Valdes

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,502
citations

279798

23
h-index

330143

37
g-index

58
all docs

58
docs citations

58
times ranked

1810
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Foodomics strategy to investigate the health benefits of dietary constituents. <i>Journal of Chromatography A</i> , 2012, 1248, 139-153.	3.7	107
2	Metabolomics of Genetically Modified Crops. <i>International Journal of Molecular Sciences</i> , 2014, 15, 18941-18966.	4.1	81
3	Novel MS-based approaches and applications in food metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 52, 100-111.	11.4	80
4	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.	15.1	78
5	Effect of rosemary polyphenols on human colon cancer cells: transcriptomic profiling and functional enrichment analysis. <i>Genes and Nutrition</i> , 2013, 8, 43-60.	2.5	71
6	Foodomics evaluation of bioactive compounds in foods. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 96, 2-13.	11.4	68
7	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.	6.2	61
8	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> , 2015, 407, 2899-2911.	3.7	57
9	Recent transcriptomics advances and emerging applications in food science. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 52, 142-154.	11.4	54
10	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, 9807-9815.	6.5	54
11	Effect of dietary polyphenols on K562 leukemia cells: A Foodomics approach. <i>Electrophoresis</i> , 2012, 33, 2314-2327.	2.4	51
12	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.	3.3	50
13	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.	3.2	45
14	Foodomics strategies for the analysis of transgenic foods. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 52, 2-15.	11.4	44
15	Two-step sequential supercritical fluid extracts from rosemary with enhanced anti-proliferative activity. <i>Journal of Functional Foods</i> , 2014, 11, 293-303.	3.4	44
16	Foodomics: Analytical Opportunities and Challenges. <i>Analytical Chemistry</i> , 2022, 94, 366-381.	6.5	39
17	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, 1971-1985.	3.7	36
18	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.	3.4	34

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19	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.	2.8	30
20	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.	3.4	29
21	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.	3.8	27
22	Neuroprotective Effect of Terpenoids Recovered from Olive Oil By-Products. <i>Foods</i> , 2021, 10, 1507.	4.3	25
23	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, 1795-1804.	2.4	24
24	Comprehensive metabolomic study of the response of HK-2 cells to hyperglycemic hypoxic diabetic-like milieu. <i>Scientific Reports</i> , 2021, 11, 5058.	3.3	24
25	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> , 2020, 137, 109368.	6.2	22
26	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.	3.7	21
27	Time-resolved proteomics of adenovirus infected cells. <i>PLoS ONE</i> , 2018, 13, e0204522.	2.5	18
28	Foodomics evaluation of the anti-proliferative potential of <i>Passiflora mollissima</i> seeds. <i>Food Research International</i> , 2020, 130, 108938.	6.2	18
29	Blood-Brain Barrier Permeability Study of Potential Neuroprotective Compounds Recovered From Plants and Agri-Food by-Products. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	17
30	Parallel Proteomic Workflow for Mass Spectrometric Analysis of Tissue Samples Preserved by Different Methods. <i>Analytical Chemistry</i> , 2018, 90, 5841-5849.	6.5	14
31	Capillary electromigration methods for food analysis and Foodomics: Advances and applications in the period February 2019-February 2021. <i>Electrophoresis</i> , 2022, 43, 37-56.	2.4	14
32	CGE-laser induced fluorescence of double-stranded DNA fragments using green dye. <i>Electrophoresis</i> , 2013, 34, 1555-1562.	2.4	13
33	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.	5.4	13
34	Foodomics Applications. <i>Comprehensive Analytical Chemistry</i> , 2018, , 643-685.	1.3	12
35	In vitro Neuroprotective Potential and Lipidomics Study of Olive Leaves Extracts Enriched in Triterpenoids. <i>Frontiers in Nutrition</i> , 2021, 8, 769218.	3.7	12
36	Capillary Electrophoresis in Food and Foodomics. <i>Methods in Molecular Biology</i> , 2016, 1483, 471-507.	0.9	11

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37	Neuroprotective Potential of Tamarillo (<i>Cyphomandra betacea</i>) Epicarp Extracts Obtained by Sustainable Extraction Process. <i>Frontiers in Nutrition</i> , 2021, 8, 769617.	3.7	11
38	Transcriptomic and proteomic analyses reveal new insights into the regulation of immune pathways during adenovirus type 2 infection. <i>BMC Microbiology</i> , 2019, 19, 15.	3.3	10
39	Neuroprotective potential of terpenoid-rich extracts from orange juice by-products obtained by pressurized liquid extraction. <i>Food Chemistry: X</i> , 2022, 13, 100242.	4.3	10
40	Temporal characterization of the non-structural Adenovirus type 2 proteome and phosphoproteome using high-resolving mass spectrometry. <i>Virology</i> , 2017, 511, 240-248.	2.4	8
41	Development of MS-based methods for identification and quantification of proteins altered during early pregnancy in dogs. <i>Journal of Proteomics</i> , 2019, 192, 223-232.	2.4	8
42	Metataxonomic and metabolomic evidence of biofilm homeostasis disruption related to caries: An in vitro study. <i>Molecular Oral Microbiology</i> , 2022, 37, 81-96.	2.7	7
43	Study of the potential neuroprotective effect of <i>Dunaliella salina</i> extract in SH-SY5Y cell model. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5357-5371.	3.7	7
44	Proteomic comparison between different tissue preservation methods for identification of promising biomarkers of urothelial bladder cancer. <i>Scientific Reports</i> , 2021, 11, 7595.	3.3	6
45	Foodomics: LC and LC-MS-based omics strategies in food science and nutrition. , 2017, , 267-299.		5
46	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> , 2019, 18, 18-29.	3.7	5
47	Profiling of Genetically Modified Organisms Using Omics Technologies. <i>Comprehensive Analytical Chemistry</i> , 2014, , 349-373.	1.3	4
48	Time-series proteomic study of the response of HK-2 cells to hyperglycemic, hypoxic diabetic-like milieu. <i>PLoS ONE</i> , 2020, 15, e0235118.	2.5	4
49	Phosphorylation Timeâ€Course Study of the Response during Adenovirus Type 2 Infection. <i>Proteomics</i> , 2020, 20, e1900327.	2.2	4
50	Chapter 1. Foodomics â€“ Fundamentals, State of the Art and Future Trends. <i>Food Chemistry, Function and Analysis</i> , 2021, , 1-53.	0.2	4
51	Direct Mass Spectrometry-Based Approaches in Metabolomics. <i>Comprehensive Analytical Chemistry</i> , 2014, , 235-253.	1.3	3
52	Emerging RNA-Seq Applications in Food Science. <i>Comprehensive Analytical Chemistry</i> , 2014, , 107-128.	1.3	2
53	Metabolomics in the Study of Alzheimer's Disease. <i>Comprehensive Analytical Chemistry</i> , 2014, 64, 249-278.	1.3	2
54	Mass Spectrometryâ€Based Analysis of Timeâ€Resolved Proteome Quantification. <i>Proteomics</i> , 2020, 20, e1800425.	2.2	2

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55	Foodomics Strategies for the Analysis of Genetically Modified Crops. , 2014, , 15-44.		1
56	Front Cover: Phosphorylation Timeâ€Course Study of the Response during Adenovirus Type 2 Infection. Proteomics, 2020, 20, 2070041.	2.2	0