

Hector Gallart-Ayala

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,022
citations

293460

24
h-index

286692

43
g-index

51
all docs

51
docs citations

51
times ranked

3372
citing authors

#	ARTICLE	IF	CITATIONS
1	The Metabolic Signature of Cardiorespiratory Fitness: A Systematic Review. <i>Sports Medicine</i> , 2022, 52, 527-546.	3.1	5
2	Urinary metabolite profile of severe asthma evidences decreased carnitine metabolism independent of oral corticosteroid treatment in the U-BIOPRED study. <i>European Respiratory Journal</i> , 2022, 59, 2101733.	3.1	13
3	Inhibition of sphingolipid de novo synthesis counteracts muscular dystrophy. <i>Science Advances</i> , 2022, 8, eabh4423.	4.7	18
4	PERK is a critical metabolic hub for immunosuppressive function in macrophages. <i>Nature Immunology</i> , 2022, 23, 431-445.	7.0	72
5	Gut microbiota severely hampers the efficacy of NAD-lowering therapy in leukemia. <i>Cell Death and Disease</i> , 2022, 13, 320.	2.7	5
6	The metabolic signature of cardiorespiratory fitness: a protocol for a systematic review and meta-analysis. <i>BMJ Open Sport and Exercise Medicine</i> , 2021, 7, e001008.	1.4	5
7	Sex-specific alterations in NAD ⁺ metabolism in 3xTg Alzheimer's disease mouse brain assessed by quantitative targeted LC-MS. <i>Journal of Neurochemistry</i> , 2021, 159, 378-388.	2.1	21
8	Metabolic View on Human Healthspan: A Lipidome-Wide Association Study. <i>Metabolites</i> , 2021, 11, 287.	1.3	16
9	Hyperglycemia Induces Trained Immunity in Macrophages and Their Precursors and Promotes Atherosclerosis. <i>Circulation</i> , 2021, 144, 961-982.	1.6	109
10	The fate of orally administered sialic acid: First insights from patients with N-acetylneuraminic acid synthase deficiency and control subjects. <i>Molecular Genetics and Metabolism Reports</i> , 2021, 28, 100777.	0.4	7
11	How Ceramides Orchestrate Cardiometabolic Health? An Ode to Physically Active Living. <i>Metabolites</i> , 2021, 11, 675.	1.3	9
12	Tumor-induced reshuffling of lipid composition on the endoplasmic reticulum membrane sustains macrophage survival and pro-tumorigenic activity. <i>Nature Immunology</i> , 2021, 22, 1403-1415.	7.0	72
13	Metabolic Impairment in Coronary Artery Disease: Elevated Serum Acylcarnitines Under the Spotlights. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 792350.	1.1	11
14	Metabolomics meets lipidomics: Assessing the small molecule component of metabolism. <i>BioEssays</i> , 2020, 42, e2000052.	1.2	24
15	Single-Step Extraction Coupled with Targeted HILIC-MS/MS Approach for Comprehensive Analysis of Human Plasma Lipidome and Polar Metabolome. <i>Metabolites</i> , 2020, 10, 495.	1.3	46
16	Mechanistic insights into bacterial metabolic reprogramming from omics-integrated genome-scale models. <i>Npj Systems Biology and Applications</i> , 2020, 6, 1.	1.4	62
17	Merged Targeted Quantification and Untargeted Profiling for Comprehensive Assessment of Acylcarnitine and Amino Acid Metabolism. <i>Analytical Chemistry</i> , 2019, 91, 11757-11769.	3.2	34
18	MYCN-enhanced Oxidative and Glycolytic Metabolism Reveals Vulnerabilities for Targeting Neuroblastoma. <i>iScience</i> , 2019, 21, 188-204.	1.9	50

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19	Molecular Profiling and Functional Analysis of Macrophage-Derived Tumor Extracellular Vesicles. <i>Cell Reports</i> , 2019, 27, 3062-3080.e11.	2.9	118
20	OP0053â€¦CERAMIDES AND DIHYDROCERAMIDES LEVELS ARE ASSOCIATED WITH THE INFLAMMATORY RESPONSE IN A MURINE MODEL OF GOUT. , 2019, , .		0
21	Systemic and central nervous system metabolic alterations in Alzheimerâ€™s disease. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 93.	3.0	143
22	A global HILIC-MS approach to measure polar human cerebrospinal fluid metabolome: Exploring gender-associated variation in a cohort of elderly cognitively healthy subjects. <i>Analytica Chimica Acta</i> , 2018, 1037, 327-337.	2.6	53
23	LC-HRMS data as a result of untargeted metabolomic profiling of human cerebrospinal fluid. <i>Data in Brief</i> , 2018, 21, 1358-1362.	0.5	2
24	Metabolic reprogramming of acute lymphoblastic leukemia cells in response to glucocorticoid treatment. <i>Cell Death and Disease</i> , 2018, 9, 846.	2.7	44
25	New in vitro model derived from brain-specific Mut ^{-/-} mice confirms cerebral ammonium accumulation in methylmalonic aciduria. <i>Molecular Genetics and Metabolism</i> , 2018, 124, 266-277.	0.5	6
26	Data Analysis in Transcriptomics and Metabolomics Clinical Applications. <i>Comprehensive Analytical Chemistry</i> , 2018, 82, 613-641.	0.7	0
27	Metabolomics: a tool to characterize the effect of phthalates and bisphenol A. <i>Environmental Reviews</i> , 2018, 26, 351-357.	2.1	15
28	Development of a Liquid Chromatographyâ€“High Resolution Mass Spectrometry Metabolomics Method with High Specificity for Metabolite Identification Using All Ion Fragmentation Acquisition. <i>Analytical Chemistry</i> , 2017, 89, 7933-7942.	3.2	107
29	Metabolomics analysis identifies different metabotypes of asthma severity. <i>European Respiratory Journal</i> , 2017, 49, 1601740.	3.1	143
30	A Method for Measuring Metabolism in Sorted Subpopulations of Complex Cell Communities Using Stable Isotope Tracing. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	2
31	Ultra-high-performance liquid chromatography-high-resolution mass spectrometry based metabolomics as a strategy for beer characterization. <i>Journal of the Institute of Brewing</i> , 2016, 122, 430-436.	0.8	13
32	Told through the wine: A liquid chromatographyâ€“mass spectrometry interplatform comparison reveals the influence of the global approach on the final annotated metabolites in non-targeted metabolomics. <i>Journal of Chromatography A</i> , 2016, 1433, 90-97.	1.8	32
33	Metabolite Profiling and Stable Isotope Tracing in Sorted Subpopulations of Mammalian Cells. <i>Analytical Chemistry</i> , 2016, 88, 2707-2713.	3.2	30
34	Potential of mass spectrometry metabolomics for chemical food safety. <i>Bioanalysis</i> , 2015, 7, 133-146.	0.6	30
35	Hydrophilic Interaction Liquid Chromatography (HILIC) and Perfluorinated Stationary Phases. , 2015, , 149-184.		0
36	Core-Shell Column Technology in Fast Liquid Chromatography. , 2015, , 33-56.		1

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37	New branches in the degradation pathway of monochlorocatechols by <i>Aspergillus nidulans</i> : A metabolomics analysis. <i>Journal of Hazardous Materials</i> , 2014, 268, 264-272.	6.5	21
38	State-of-the-art in fast liquid chromatography-mass spectrometry for bio-analytical applications. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 927, 3-21.	1.2	49
39	Recent advances in LC-MS analysis of food-packaging contaminants. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 42, 99-124.	5.8	117
40	Liquid Chromatography Coupled to Electrochemical Detection and Mass Spectrometry for the Determination of Phenolic Compounds in Food and Beverages. <i>Current Analytical Chemistry</i> , 2012, 8, 436-455.	0.6	14
41	Atmospheric Pressure Photoionization Mass Spectrometry of Fullerenes. <i>Analytical Chemistry</i> , 2012, 84, 5316-5326.	3.2	38
42	Strategies for the multi-residue analysis of 100 pesticides by liquid chromatography-triple quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1249, 164-180.	1.8	47
43	New trends in fast liquid chromatography for food and environmental analysis. <i>Journal of Chromatography A</i> , 2012, 1228, 298-323.	1.8	211
44	Degradation pathway of pentachlorophenol by <i>Mucor plumbeus</i> involves phase II conjugation and oxidation-reduction reactions. <i>Journal of Hazardous Materials</i> , 2011, 198, 133-142.	6.5	29
45	Analysis of UV ink photoinitiators in packaged food by fast liquid chromatography at sub-ambient temperature coupled to tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 459-466.	1.8	72
46	Field-amplified sample injection-micellar electrokinetic capillary chromatography for the analysis of bisphenol A, bisphenol F, and their diglycidyl ethers and derivatives in canned soft drinks. <i>Electrophoresis</i> , 2010, 31, 1550-1559.	1.3	39
47	Liquid chromatography/multi-stage mass spectrometry of bisphenol A and its halogenated derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 4039-4048.	0.7	60