Cristina Legido-Quigley

List of Publications by Year
in descending order

97 papers	4,887 citations	126907 33 h-index	110387 64 g-index
118 all docs	118 docs citations	118 times ranked	6907 citing authors

#	Article	IF	Citations
1	A topâ€down systems biology view of microbiomeâ€mammalian metabolic interactions in a mouse model. Molecular Systems Biology, 2007, 3, 112.	7.2	420
2	Metabolic network failures in Alzheimer's disease: A biochemical roadÂmap. Alzheimer's and Dementia, 2017, 13, 965-984.	0.8	362
3	Brain and blood metabolite signatures of pathology and progression in Alzheimer disease: A targeted metabolomics study. PLoS Medicine, 2018, 15, e1002482.	8.4	336
4	Evidence for brain glucose dysregulation in Alzheimer's disease. Alzheimer's and Dementia, 2018, 14, 318-329.	0.8	320
5	Evidence of altered phosphatidylcholine metabolism in Alzheimer's disease. Neurobiology of Aging, 2014, 35, 271-278.	3.1	256
6	Association between fatty acid metabolism in the brain and Alzheimer disease neuropathology and cognitive performance: A nontargeted metabolomic study. PLoS Medicine, 2017, 14, e1002266.	8.4	215
7	Advances in capillary electrochromatography and micro-high performance liquid chromatography monolithic columns for separation science. Electrophoresis, 2003, 24, 917-944.	2.4	212
8	Association of blood lipids with Alzheimer's disease: AÂcomprehensiveÂlipidomics analysis. Alzheimer's and Dementia, 2017, 13, 140-151.	0.8	144
9	Fast and sensitive high performance liquid chromatography analysis of cosmetic creams for hydroquinone, phenol and six preservatives. Journal of Chromatography A, 2011, 1218, 4307-4311.	3.7	99
10	In-Vial Dual Extraction for Direct LC-MS Analysis of Plasma for Comprehensive and Highly Reproducible Metabolic Fingerprinting.. Analytical Chemistry, 2012, 84, 5992-5999.	6.5	94
11	Dysregulation of multiple metabolic networks related to brain transmethylation and polyamine pathways in Alzheimer disease: A targeted metabolomic and transcriptomic study. PLoS Medicine, 2020, 17, e1003012.	8.4	90
12	A proposed metabolic strategy for monitoring disease progression in Alzheimer's disease. Electrophoresis, 2009, 30, 1235-1239.	2.4	82
13	Multidimensional LC-MS/MS Enables Simultaneous Quantification of Intact Human Insulin and Five Recombinant Analogs in Human Plasma. Analytical Chemistry, 2014, 86, 694-702.	6.5	79
14	Multi-omics profiling of living human pancreatic islet donors reveals heterogeneous beta cell trajectories towards type 2 diabetes. Nature Metabolism, 2021, 3, 1017-1031.	11.9	76
15	Association between Plasma Ceramides and Phosphatidylcholines and Hippocampal Brain Volume in Late Onset Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 60, 809-817.	2.6	72
16	A metaboliteâ€based machine learning approach to diagnose Alzheimerâ€type dementia in blood: Results from the European Medicalâ€‰Information Framework for Alzheimer disease biomarker discovery cohort. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2019, 5, 933-938.	3.7	70
17	Prognostic performance of 7 biomarkers compared to liver biopsy in early alcohol-related liver disease. Journal of Hepatology, 2021, 75, 1017-1025.	3.7	70
18	Primary fatty amides in plasma associated with brain amyloid burden, hippocampal volume, and memory in the European Medical Information Framework for Alzheimer's Disease biomarker discovery cohort. Alzheimer's and Dementia, 2019, 15, 817-827.	0.8	62

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19	Metabolic phenotyping reveals a reduction in the bioavailability of serotonin and kynurenine pathway metabolites in both the urine and serum of individuals living with Alzheimerâ€™s disease. Alzheimer's Research and Therapy, 2021, 13, 20.	6.2	60
20	Chromatographic comparison of bupivacaine imprinted polymers prepared in crushed monolith, microsphere, silica-based composite and capillary monolith formats. Journal of Chromatography A, 2007, 1160, 215-226.	3.7	59
21	Abnormal brain cholesterol homeostasis in Alzheimerâ€™s diseaseâ€”a targeted metabolomic and transcriptomic study. Npj Aging and Mechanisms of Disease, 2021, 7, 11.	4.5	59
22	Development of a fast method for direct analysis of intact synthetic insulins in human plasma: the large peptide challenge. Bioanalysis, 2013, 5, 65-81.	1.5	57
23	Advances in separation science applied to metabonomics. Electrophoresis, 2008, 29, 3724-3736.	2.4	53
24	Identification of metabolites in human hepatic bile using 800 MHz 1H NMR spectroscopy , HPLC-NMR/MS and UPLC-MS. Molecular BioSystems, 2009, 5, 180-190.	2.9	53
25	Blood metabolite markers of cognitive performance and brain function in aging. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1212-1223.	4.3	53
26	Metabolic fingerprinting of Schistosoma mansoni infection in mice urine with capillary electrophoresis. Electrophoresis, 2008, 29, 3201-3206.	2.4	50
27	Discovery and validation of plasma proteomic biomarkers relating to brain amyloid burden by SOMAscan assay. Alzheimer's and Dementia, 2019, 15, 1478-1488.	0.8	46
28	Replication and cross-validation of type 2 diabetes subtypes based on clinical variables: an IMI-RHAPSODY study. Diabetologia, 2021, 64, 1982-1989.	6.3	44
29	Neurotransmitter Imbalance in the Brain and Alzheimerâ€™s Disease Pathology. Journal of Alzheimer's Disease, 2019, 72, 35-43.	2.6	42
30	Comparison of reversed-phase and hydrophilic interaction liquid chromatography for the separation of ephedrines. Journal of Chromatography A, 2012, 1228, 329-337.	3.7	41
31	Metabolomic Assessment Reveals Alteration in Polyols and Branched Chain Amino Acids Associated With Present and Future Renal Impairment in a Discovery Cohort of 637 Persons With Type 1 Diabetes. Frontiers in Endocrinology, 2019, 10, 818.	3.5	40
32	Circulating Metabolites and Lipids Are Associated to Diabetic Retinopathy in Individuals With Type 1 Diabetes. Diabetes, 2020, 69, 2217-2226.	0.6	40
33	Bile UPLCâ€MS fingerprinting and bile acid fluxes during human liver transplantation. Electrophoresis, 2011, 32, 2063-2070.	2.4	38
34	Bile acid synthesis, modulation, and dementia: A metabolomic, transcriptomic, and pharmacoepidemiologic study. PLoS Medicine, 2021, 18, e1003615.	8.4	38
35	Influence of hydrogen bonding on â€˜softâ€™ coordination geometries: further examples. Polyhedron, 2003, 22, 769-774.	2.2	37
36	Integrated lipidomics and proteomics network analysis highlights lipid and immunity pathways associated with Alzheimerâ€™s disease. Translational Neurodegeneration, 2020, 9, 36.	8.0	37

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37	Liquid chromatographyâ€“mass spectrometry methods for urinary biomarker detection in metabonomic studies with application to nutritional studies. Biomedical Chromatography, 2010, 24, 737-743.	1.7	36
38	Comparison of styreneâ€“divinylbenzene-based monoliths and Vydac nano-liquid chromatography columns for protein analysis. Journal of Chromatography A, 2004, 1030, 195-200.	3.7	35
39	Mendelian randomization identifies blood metabolites previously linked to midlife cognition as causal candidates in Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	35
40	Investigating sub-2Î¼m particle stationary phase supercritical fluid chromatography coupled to mass spectrometry for chemical profiling of chamomile extracts. Analytica Chimica Acta, 2014, 847, 61-72.	5.4	31
41	Direct Monitoring of Exogenous Î³-Hydroxybutyric Acid in Body Fluids by NMR Spectroscopy. Analytical Chemistry, 2017, 89, 8343-8350.	6.5	31
42	Assessment of Chinese medicinal herb metabolite profiles by UPLC-MS-based methodology for the detection of aristolochic acids. Journal of Separation Science, 2007, 30, 1200-1206.	2.5	30
43	Urinary metabolic phenotyping for Alzheimerâ€™s disease. Scientific Reports, 2020, 10, 21745.	3.3	30
44	High sensitivity LC-MS profiling of antibody-drug conjugates with difluoroacetic acid ion pairing. MAbs, 2019, 11, 1358-1366.	5.2	28
45	The Impact of Ischemia/Reperfusion Injury on Liver Allografts from Deceased after Cardiac Death versus Deceased after Brain Death Donors. PLoS ONE, 2016, 11, e0148815.	2.5	28
46	In-vial dual extraction liquid chromatography coupled to mass spectrometry applied to streptozotocin-treated diabetic rats. Tips and pitfalls of the method. Journal of Chromatography A, 2013, 1304, 52-60.	3.7	27
47	Gut microbiota profile and selected plasma metabolites in type 1 diabetes without and with stratification by albuminuria. Diabetologia, 2020, 63, 2713-2724.	6.3	27
48	High sensitivity LCâ€“MS/MS method for direct quantification of human parathyroid 1â€“34 (teriparatide) in human plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 938, 96-104.	2.3	26
49	Guidelines for reporting the use of column chromatography in proteomics. Nature Biotechnology, 2010, 28, 654-654.	17.5	24
50	Guidelines for reporting the use of capillary electrophoresis in proteomics. Nature Biotechnology, 2010, 28, 654-655.	17.5	24
51	UV gradient combined with principal component analysis: Highly sensitive and specific high performance liquid chromatography analysis of cosmetic creams. Journal of Chromatography A, 2012, 1228, 324-328.	3.7	22
52	Lipidomics comparing DCD and DBD liver allografts uncovers lysophospholipids elevated in recipients undergoing early allograft dysfunction. Scientific Reports, 2015, 5, 17737.	3.3	22
53	Metabolomic Method: UPLC-q-ToF Polar and Non-Polar Metabolites in the Healthy Rat Cerebellum Using an In-Vial Dual Extraction. PLoS ONE, 2015, 10, e0122883.	2.5	20
54	Comprehensive lipidomics reveals phenotypic differences in hepatic lipid turnover in ALD and NAFLD during alcohol intoxication. JHEP Reports, 2021, 3, 100325.	4.9	20

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55	Chemometric analysis of urine fingerprints acquired by liquid chromatographyâ€mass spectrometry and capillary electrophoresis: Application to the schistosomiasis mouse model. Electrophoresis, 2010, 31, 2349-2355.	2.4	19
56	First example of hepatocyte transplantation to alleviate ornithine transcarbamylase deficiency, monitored by NMR-based metabonomics. Bioanalysis, 2009, 1, 1527-1535.	1.5	17
57	Current strategies in the discovery of small-molecule biomarkers for Alzheimerâ€™s disease. Bioanalysis, 2011, 3, 1121-1142.	1.5	17
58	Palmitate and Stearate are Increased in the Plasma in a 6-OHDA Model of Parkinsonâ€™s Disease. Metabolites, 2019, 9, 31.	2.9	17
59	Intravital imaging of islet Ca2+ dynamics reveals enhanced Î² cell connectivity after bariatric surgery in mice. Nature Communications, 2021, 12, 5165.	12.8	17
60	The autocorrelation matrix probing biochemical relationships after metabolic fingerprinting with CE. Electrophoresis, 2009, 30, 1221-1227.	2.4	16
61	Adenosine monophosphate is elevated in the bronchoalveolar lavage fluid of mice with acute respiratory toxicity induced by nanoparticles with high surface hydrophobicity. Nanotoxicology, 2015, 9, 106-115.	3.0	16
62	LC-MS-Based Metabolomics Discovers Purine Endogenous Associations with Low-Dose Salbutamol in Urine Collected for Antidoping Tests. Analytical Chemistry, 2016, 88, 2243-2249.	6.5	16
63	Plasma Proteomic Biomarkers Relating to Alzheimerâ€™s Disease: A Meta-Analysis Based on Our Own Studies. Frontiers in Aging Neuroscience, 2021, 13, 712545.	3.4	16
64	Evaluation of Chinese medicinal herbs fingerprinting by HPLCâ€ÐAD for the detection of toxic aristolochic acids. Journal of Separation Science, 2011, 34, 1111-1115.	2.5	15
65	Metabolic Phenotype of the Healthy Rodent Model Using In-Vial Extraction of Dried Serum, Urine, and Cerebrospinal Fluid Spots. Analytical Chemistry, 2013, 85, 7257-7263.	6.5	15
66	Lipidomics of human adipose tissue reveals diversity between body areas. PLoS ONE, 2020, 15, e0228521.	2.5	15
67	Blood Metabolite Signatures of Metabolic Syndrome in Two Cross-Cultural Older Adult Cohorts. International Journal of Molecular Sciences, 2020, 21, 1324.	4.1	15
68	Chemometric and biological validation of a capillary electrophoresis metabolomic experiment of Schistosoma mansoni infection in mice. Electrophoresis, 2010, 31, 2338-2348.	2.4	14
69	Ceramides and phospholipids are downregulated with liraglutide treatment: results from the LiraFlame randomized controlled trial. BMJ Open Diabetes Research and Care, 2021, 9, e002395.	2.8	14
70	A high-performance liquid chromatography and nuclear magnetic resonance spectroscopy-based analysis of commercially available praziquantel tablets. Journal of Pharmaceutical and Biomedical Analysis, 2007, 45, 263-267.	2.8	13
71	Fingerprinting of human bile during liver transplantation by capillary electrophoresis. Journal of Separation Science, 2008, 31, 3058-3064.	2.5	13
72	Validation of Plasma Proteomic Biomarkers Relating to Brain Amyloid Burden in the EMIF-Alzheimerâ€™s Disease Multimodal Biomarker Discovery Cohort. Journal of Alzheimer's Disease, 2020, 74, 213-225.	2.6	13

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73	Oxyresveratrol exerts ATF4- and Grp78-mediated neuroprotection against endoplasmic reticulum stress in experimental Parkinsonâ€™s disease. Nutritional Neuroscience, 2021, 24, 181-196.	3.1	13
74	Short polystyrene monolith-fritted micro-liquid chromatography columns for rapid isocratic analysis of pharmaceuticals direct from plasma. Analytical and Bioanalytical Chemistry, 2006, 385, 686-691.	3.7	12
75	Systematic evaluation of acetone and acetonitrile for use in hydrophilic interaction liquid chromatography coupled with electrospray ionization mass spectrometry of basic small molecules. Rapid Communications in Mass Spectrometry, 2011, 25, 3666-3674.	1.5	12
76	Circulating metabolites and molecular lipid species are associated with future cardiovascular morbidity and mortality in type 1 diabetes. Cardiovascular Diabetology, 2022, 21, .	6.8	11
77	Describing the fecal metabolome in cryogenically collected samples from healthy participants. Scientific Reports, 2020, 10, 885.	3.3	10
78	APOE Îµ4 alters associations between docosahexaenoic acid and preclinical markers of Alzheimerâ€™s disease. Brain Communications, 2021, 3, fcab085.	3.3	10
79	Rapid quantification of quinine and its major metabolite (3S)-3-hydroxyquinine in diluted urine by UPLCâ€“MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 494-499.	2.8	9
80	Changes in the lipidome in type 1 diabetes following low carbohydrate diet: Postâ€hoc analysis of a randomized crossover trial. Endocrinology, Diabetes and Metabolism, 2021, 4, e00213.	2.4	9
81	Metabolic correlates of late midlife cognitive outcomes: findings from the 1946 British Birth Cohort. Brain Communications, 2022, 4, fcab291.	3.3	9
82	Effects of Butyrate Supplementation on Inflammation and Kidney Parameters in Type 1 Diabetes: A Randomized, Double-Blind, Placebo-Controlled Trial. Journal of Clinical Medicine, 2022, 11, 3573.	2.4	9
83	Transient receptor potential canonical 5 channels plays an essential role in hepatic dyslipidemia associated with cholestasis. Scientific Reports, 2017, 7, 2338.	3.3	8
84	Cardiovascular Autonomic Neuropathy in Type 1 Diabetes Is Associated With Disturbances in TCA, Lipid, and Glucose Metabolism. Frontiers in Endocrinology, 2022, 13, 831793.	3.5	8
85	Dickkopf-1 Overexpression in vitro Nominates Candidate Blood Biomarkers Relating to Alzheimerâ€™s Disease Pathology. Journal of Alzheimer's Disease, 2020, 77, 1353-1368.	2.6	7
86	Precision diagnostic approach to predict 5-year risk for microvascular complications in type 1 diabetes. EBioMedicine, 2022, 80, 104032.	6.1	7
87	Assessment of Polygonum capitatum Buch.â€Ham. ex D.Don by metabolomics based on gas chromatography with mass spectrometry. Journal of Separation Science, 2016, 39, 1979-1986.	2.5	6
88	Metabolomics reveals immunomodulation as a possible mechanism for the antibiotic effect of Persicaria capitata (Buch.-Ham. ex D. Don) H.Gross. Metabolomics, 2018, 14, 91.	3.0	6
89	Prediction of Type 1 Diabetes at Birth: Cord Blood Metabolites vs Genetic Risk Score in the Norwegian Mother, Father, and Child Cohort. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e4062-e4071.	3.6	6
90	Disentangling Independent and Mediated Causal Relationships Between Blood Metabolites, Cognitive Factors, and Alzheimerâ€™s Disease. Biological Psychiatry Global Open Science, 2022, 2, 167-179.	2.2	6

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91	Small molecule biomarkers in Alzheimerâ€™s disease. OCL - Oilseeds and Fats, Crops and Lipids, 2018, 25, D404.	1.4	5
92	Deregulation of the Purine Pathway in Pre-Transplant Liver Biopsies Is Associated with Graft Function and Survival after Transplantation. Journal of Clinical Medicine, 2020, 9, 711.	2.4	5
93	Metabolic phenotyping in the mouse model of urinary tract infection shows that 3-hydroxybutyrate in plasma is associated with infection. PLoS ONE, 2017, 12, e0186497.	2.5	5
94	Exploration of Plasma Lipids in Mild Cognitive Impairment due to Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2020, 77, 1117-1127.	2.6	5
95	Lipidomics and the quest for brainy lipids. EBioMedicine, 2021, 65, 103256.	6.1	2
96	Association of TREM2 variants and sphingolipid levels with AD in blood and brain. Alzheimer's and Dementia, 2020, 16, e046579.	0.8	0
97	Liraglutide Lowers Palmitoleate Levels in Type 2 Diabetes. A Post Hoc Analysis of the LIRAFLAME Randomized Placebo-Controlled Trial. Frontiers in Clinical Diabetes and Healthcare, 2022, 3, .	0.8	0