Cristina Legido-Quigley

List of Publications by Year
in descending order

97 papers	4,887 citations	145106 33 h-index	124990 64 g-index
118 all docs	118 docs citations	118 times ranked	7534 citing authors

#	Article	IF	Citations
1	Disentangling Independent and Mediated Causal Relationships Between Blood Metabolites, Cognitive Factors, and Alzheimerâ€™s Disease. Biological Psychiatry Global Open Science, 2022, 2, 167-179.	1.0	6
2	Metabolic correlates of late midlife cognitive outcomes: findings from the 1946 British Birth Cohort. Brain Communications, 2022, 4, fcab291.	1.5	9
3	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, .	0.3	0
4	Cardiovascular Autonomic Neuropathy in Type 1 Diabetes Is Associated With Disturbances in TCA, Lipid, and Glucose Metabolism. Frontiers in Endocrinology, 2022, 13, 831793.	1.5	8
5	Precision diagnostic approach to predict 5-year risk for microvascular complications in type 1 diabetes. EBioMedicine, 2022, 80, 104032.	2.7	7
6	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.	1.0	9
7	Circulating metabolites and molecular lipid species are associated with future cardiovascular morbidity and mortality in type 1 diabetes. Cardiovascular Diabetology, 2022, 21, .	2.7	11
8	Oxyresveratrol exerts ATF4- and Grp78-mediated neuroprotection against endoplasmic reticulum stress in experimental Parkinsonâ€™s disease. Nutritional Neuroscience, 2021, 24, 181-196.	1.5	13
9	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.	1.0	9
10	Lipidomics and the quest for brainy lipids. EBioMedicine, 2021, 65, 103256.	2.7	2
11	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, .	3.3	35
12	APOE Îµ4 alters associations between docosahexaenoic acid and preclinical markers of Alzheimerâ€™s disease. Brain Communications, 2021, 3, fcab085.	1.5	10
13	Bile acid synthesis, modulation, and dementia: A metabolomic, transcriptomic, and pharmacoepidemiologic study. PLoS Medicine, 2021, 18, e1003615.	3.9	38
14	Replication and cross-validation of type 2 diabetes subtypes based on clinical variables: an IMI-RHAPSODY study. Diabetologia, 2021, 64, 1982-1989.	2.9	44
15	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.	1.8	6
16	Multi-omics profiling of living human pancreatic islet donors reveals heterogeneous beta cell trajectories towards type 2 diabetes. Nature Metabolism, 2021, 3, 1017-1031.	5.1	76
17	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
18	Prognostic performance of 7 biomarkers compared to liver biopsy in early alcohol-related liver disease. Journal of Hepatology, 2021, 75, 1017-1025.	1.8	70

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19	Plasma Proteomic Biomarkers Relating to Alzheimerâ€™s Disease: A Meta-Analysis Based on Our Own Studies. Frontiers in Aging Neuroscience, 2021, 13, 712545.	1.7	16
20	Intravital imaging of islet Ca2+ dynamics reveals enhanced Î² cell connectivity after bariatric surgery in mice. Nature Communications, 2021, 12, 5165.	5.8	17
21	Ceramides and phospholipids are downregulated with liraglutide treatment: results from the LiraFlame randomized controlled trial. BMJ Open Diabetes Research and Care, 2021, 9, e002395.	1.2	14
22	Comprehensive lipidomics reveals phenotypic differences in hepatic lipid turnover in ALD and NAFLD during alcohol intoxication. JHEP Reports, 2021, 3, 100325.	2.6	20
23	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.	3.0	60
24	Circulating Metabolites and Lipids Are Associated to Diabetic Retinopathy in Individuals With Type 1 Diabetes. Diabetes, 2020, 69, 2217-2226.	0.3	40
25	Gut microbiota profile and selected plasma metabolites in type 1 diabetes without and with stratification by albuminuria. Diabetologia, 2020, 63, 2713-2724.	2.9	27
26	Integrated lipidomics and proteomics network analysis highlights lipid and immunity pathways associated with Alzheimerâ€™s disease. Translational Neurodegeneration, 2020, 9, 36.	3.6	37
27	Dickkopf-1 Overexpression in vitro Nominates Candidate Blood Biomarkers Relating to Alzheimerâ€™s Disease Pathology. Journal of Alzheimer's Disease, 2020, 77, 1353-1368.	1.2	7
28	Association of TREM2 variants and sphingolipid levels with AD in blood and brain. Alzheimer's and Dementia, 2020, 16, e046579.	0.4	0
29	Urinary metabolic phenotyping for Alzheimerâ€™s disease. Scientific Reports, 2020, 10, 21745.	1.6	30
30	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.	1.2	13
31	Lipidomics of human adipose tissue reveals diversity between body areas. PLoS ONE, 2020, 15, e0228521.	1.1	15
32	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.	1.0	5
33	Blood Metabolite Signatures of Metabolic Syndrome in Two Cross-Cultural Older Adult Cohorts. International Journal of Molecular Sciences, 2020, 21, 1324.	1.8	15
34	Describing the fecal metabolome in cryogenically collected samples from healthy participants. Scientific Reports, 2020, 10, 885.	1.6	10
35	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.	3.9	90
36	Exploration of Plasma Lipids in Mild Cognitive Impairment due to Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2020, 77, 1117-1127.	1.2	5

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37	Discovery and validation of plasma proteomic biomarkers relating to brain amyloid burden by SOMAscan assay. Alzheimer's and Dementia, 2019, 15, 1478-1488.	0.4	46
38	High sensitivity LC-MS profiling of antibody-drug conjugates with difluoroacetic acid ion pairing. MAbs, 2019, 11, 1358-1366.	2.6	28
39	Neurotransmitter Imbalance in the Brain and Alzheimerâ€™s Disease Pathology. Journal of Alzheimer's Disease, 2019, 72, 35-43.	1.2	42
40	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.	0.4	62
41	Palmitate and Stearate are Increased in the Plasma in a 6-OHDA Model of Parkinsonâ€™s Disease. Metabolites, 2019, 9, 31.	1.3	17
42	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.	1.8	70
43	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.	1.5	40
44	Evidence for brain glucose dysregulation in Alzheimer's disease. Alzheimer's and Dementia, 2018, 14, 318-329.	0.4	320
45	Small molecule biomarkers in Alzheimerâ€™s disease. OCL - Oilseeds and Fats, Crops and Lipids, 2018, 25, D404.	0.6	5
46	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.	1.4	6
47	Brain and blood metabolite signatures of pathology and progression in Alzheimer disease: A targeted metabolomics study. PLoS Medicine, 2018, 15, e1002482.	3.9	336
48	Transient receptor potential canonical 5 channels plays an essential role in hepatic dyslipidemia associated with cholestasis. Scientific Reports, 2017, 7, 2338.	1.6	8
49	Metabolic network failures in Alzheimer's disease: A biochemical roadÂmap. Alzheimer's and Dementia, 2017, 13, 965-984.	0.4	362
50	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.	1.2	72
51	Direct Monitoring of Exogenous Î³-Hydroxybutyric Acid in Body Fluids by NMR Spectroscopy. Analytical Chemistry, 2017, 89, 8343-8350.	3.2	31
52	Association of blood lipids with Alzheimer's disease: AÂcomprehensiveÂlipidomics analysis. Alzheimer's and Dementia, 2017, 13, 140-151.	0.4	144
53	Association between fatty acid metabolism in the brain and Alzheimer disease neuropathology and cognitive performance: A nontargeted metabolomic study. PLoS Medicine, 2017, 14, e1002266.	3.9	215
54	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.	1.1	5

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55	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.	1.3	6
56	LC-MS-Based Metabolomics Discovers Purine Endogenous Associations with Low-Dose Salbutamol in Urine Collected for Antidoping Tests. Analytical Chemistry, 2016, 88, 2243-2249.	3.2	16
57	Blood metabolite markers of cognitive performance and brain function in aging. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1212-1223.	2.4	53
58	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.	1.1	28
59	Lipidomics comparing DCD and DBD liver allografts uncovers lysophospholipids elevated in recipients undergoing early allograft dysfunction. Scientific Reports, 2015, 5, 17737.	1.6	22
60	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.	1.1	20
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.	1.6	16
62	Evidence of altered phosphatidylcholine metabolism in Alzheimer's disease. Neurobiology of Aging, 2014, 35, 271-278.	1.5	256
63	Multidimensional LC-MS/MS Enables Simultaneous Quantification of Intact Human Insulin and Five Recombinant Analogs in Human Plasma. Analytical Chemistry, 2014, 86, 694-702.	3.2	79
64	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.	2.6	31
65	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.	1.2	26
66	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.	1.8	27
67	Development of a fast method for direct analysis of intact synthetic insulins in human plasma: the large peptide challenge. Bioanalysis, 2013, 5, 65-81.	0.6	57
68	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.	3.2	15
69	In-Vial Dual Extraction for Direct LC-MS Analysis of Plasma for Comprehensive and Highly Reproducible Metabolic Fingerprinting.. Analytical Chemistry, 2012, 84, 5992-5999.	3.2	94
70	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.	1.8	22
71	Comparison of reversed-phase and hydrophilic interaction liquid chromatography for the separation of ephedrines. Journal of Chromatography A, 2012, 1228, 329-337.	1.8	41
72	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.	0.7	12

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73	Evaluation of Chinese medicinal herbs fingerprinting by HPLCâ€DAD for the detection of toxic aristolochic acids. Journal of Separation Science, 2011, 34, 1111-1115.	1.3	15
74	Bile UPLCâ€MS fingerprinting and bile acid fluxes during human liver transplantation. Electrophoresis, 2011, 32, 2063-2070.	1.3	38
75	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.	1.8	99
76	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.	1.4	9
77	Current strategies in the discovery of small-molecule biomarkers for Alzheimerâ€™s disease. Bioanalysis, 2011, 3, 1121-1142.	0.6	17
78	Liquid chromatographyâ€“mass spectrometry methods for urinary biomarker detection in metabonomic studies with application to nutritional studies. Biomedical Chromatography, 2010, 24, 737-743.	0.8	36
79	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.	1.3	19
80	Chemometric and biological validation of a capillary electrophoresis metabolomic experiment of Schistosoma mansoni infection in mice. Electrophoresis, 2010, 31, 2338-2348.	1.3	14
81	Guidelines for reporting the use of column chromatography in proteomics. Nature Biotechnology, 2010, 28, 654-654.	9.4	24
82	Guidelines for reporting the use of capillary electrophoresis in proteomics. Nature Biotechnology, 2010, 28, 654-655.	9.4	24
83	First example of hepatocyte transplantation to alleviate ornithine transcarbamylase deficiency, monitored by NMR-based metabonomics. Bioanalysis, 2009, 1, 1527-1535.	0.6	17
84	The autocorrelation matrix probing biochemical relationships after metabolic fingerprinting with CE. Electrophoresis, 2009, 30, 1221-1227.	1.3	16
85	A proposed metabolic strategy for monitoring disease progression in Alzheimer's disease. Electrophoresis, 2009, 30, 1235-1239.	1.3	82
86	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
87	Fingerprinting of human bile during liver transplantation by capillary electrophoresis. Journal of Separation Science, 2008, 31, 3058-3064.	1.3	13
88	Advances in separation science applied to metabonomics. Electrophoresis, 2008, 29, 3724-3736.	1.3	53
89	Metabolic fingerprinting of Schistosoma mansoni infection in mice urine with capillary electrophoresis. Electrophoresis, 2008, 29, 3201-3206.	1.3	50
90	A topâ€down systems biology view of microbiomeâ€mammalian metabolic interactions in a mouse model. Molecular Systems Biology, 2007, 3, 112.	3.2	420

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91	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.	1.3	30
92	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.	1.8	59
93	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.	1.4	13
94	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.	1.9	12
95	Comparison of styreneâ€“divinylbenzene-based monoliths and Vydac nano-liquid chromatography columns for protein analysis. Journal of Chromatography A, 2004, 1030, 195-200.	1.8	35
96	Advances in capillary electrochromatography and micro-high performance liquid chromatography monolithic columns for separation science. Electrophoresis, 2003, 24, 917-944.	1.3	212
97	Influence of hydrogen bonding on â€˜softâ€™ coordination geometries: further examples. Polyhedron, 2003, 22, 769-774.	1.0	37