

# Amaury Cazenave-Gassiot

## List of Publications by Year in descending order

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54  
papers

3,214  
citations

257450

24  
h-index

168389

53  
g-index

59  
all docs

59  
docs citations

59  
times ranked

5047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mfsd2a is a transporter for the essential omega-3 fatty acid docosahexaenoic acid. Nature, 2014, 509, 503-506.	27.8	733
2	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950â€“Metabolites in Frozen Human Plasma. Journal of Lipid Research, 2017, 58, 2275-2288.	4.2	312
3	MS-based lipidomics of human blood plasma: a community-initiated position paper to develop accepted guidelines. Journal of Lipid Research, 2018, 59, 2001-2017.	4.2	231
4	Mfsd2b is essential for the sphingosine-1-phosphate export in erythrocytes and platelets. Nature, 2017, 550, 524-528.	27.8	189
5	Inactivating mutations in MFSD2A, required for omega-3 fatty acid transport in brain, cause a lethal microcephaly syndrome. Nature Genetics, 2015, 47, 809-813.	21.4	180
6	Deciphering lipid structures based on platform-independent decision rules. Nature Methods, 2017, 14, 1171-1174.	19.0	116
7	Mfsd2a Is a Transporter for the Essential Î‰-3 Fatty Acid Docosahexaenoic Acid (DHA) in Eye and Is Important for Photoreceptor Cell Development. Journal of Biological Chemistry, 2016, 291, 10501-10514.	3.4	112
8	A partially inactivating mutation in the sodium-dependent lysophosphatidylcholine transporter MFSD2A causes a non-lethal microcephaly syndrome. Nature Genetics, 2015, 47, 814-817.	21.4	108
9	Single-Cell Analysis of Blood-Brain Barrier Response to Pericyte Loss. Circulation Research, 2021, 128, e46-e62.	4.5	98
10	The lysolipid transporter Mfsd2a regulates lipogenesis in the developing brain. PLoS Biology, 2018, 16, e2006443.	5.6	75
11	Effect of increasing concentration of ammonium acetate as an additive in supercritical fluid chromatography using CO2â€“methanol mobile phase. Journal of Chromatography A, 2009, 1216, 6441-6450.	3.7	73
12	Lipidomic profiling of human serum enables detection of pancreatic cancer. Nature Communications, 2022, 13, 124.	12.8	68
13	Changes in Plasma Lipids during Exposure to Total Sleep Deprivation. Sleep, 2015, 38, 1683-1691.	1.1	65
14	Drug Synergy Slows Aging and Improves Healthspan through IGF and SREBP Lipid Signaling. Developmental Cell, 2018, 47, 67-79.e5.	7.0	60
15	A mutation of <i>EPT1 (SELENOI)</i> underlies a new disorder of Kennedy pathway phospholipid biosynthesis. Brain, 2017, 140, aww318.	7.6	58
16	Metabolic stress is a primary pathogenic event in transgenic Caenorhabditis elegans expressing pan-neuronal human amyloid beta. ELife, 2019, 8, .	6.0	55
17	Targeting Lipid Esterases in Mycobacteria Grown Under Different Physiological Conditions Using Activity-based Profiling with Tetrahydrolipstatin (THL). Molecular and Cellular Proteomics, 2014, 13, 435-448.	3.8	54
18	Comprehensive analysis of phospholipids and glycolipids in the opportunistic pathogen Enterococcus faecalis. PLoS ONE, 2017, 12, e0175886.	2.5	54

#	ARTICLE	IF	CITATIONS
19	Discovering and validating between-subject variations in plasma lipids in healthy subjects. <i>Scientific Reports</i> , 2016, 6, 19139.	3.3	45
20	Homozygous mutation in MFSD2A, encoding a lysolipid transporter for docosahexanoic acid, is associated with microcephaly and hypomyelination. <i>Neurogenetics</i> , 2018, 19, 227-235.	1.4	45
21	Using lipidomics to reveal details of lipid accumulation in developing seeds from oilseed rape ( <i>Brassica napus</i> L.). <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 339-348.	2.4	44
22	LRH-1 regulates hepatic lipid homeostasis and maintains arachidonoyl phospholipid pools critical for phospholipid diversity. <i>JCI Insight</i> , 2018, 3, .	5.0	42
23	The Iceman's Last Meal Consisted of Fat, Wild Meat, and Cereals. <i>Current Biology</i> , 2018, 28, 2348-2355.e9.	3.9	39
24	Global Mapping of Protein-Lipid Interactions by Using Modified Choline-Containing Phospholipids Metabolically Synthesized in Live Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5829-5833.	13.8	29
25	TDP-43 mediates SREBF2-regulated gene expression required for oligodendrocyte myelination. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	25
26	The Lysophosphatidylcholine Transporter MFSD2A Is Essential for CD8+ Memory T Cell Maintenance and Secondary Response to Infection. <i>Journal of Immunology</i> , 2019, 203, 117-126.	0.8	22
27	Changes in the Canine Plasma Lipidome after Short- and Long-Term Excess Glucocorticoid Exposure. <i>Scientific Reports</i> , 2019, 9, 6015.	3.3	19
28	Deletion of Mfsd2b impairs thrombotic functions of platelets. <i>Nature Communications</i> , 2021, 12, 2286.	12.8	18
29	LICAR: An Application for Isotopic Correction of Targeted Lipidomic Data Acquired with Class-Based Chromatographic Separations Using Multiple Reaction Monitoring. <i>Analytical Chemistry</i> , 2021, 93, 3163-3171.	6.5	17
30	Synthesis and pharmacological evaluation of Tic-hydantoin derivatives as selective $\text{5-HT}_1$ ligands. Part 1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4833-4837.	2.2	15
31	Remodeling of whole-body lipid metabolism and a diabetic-like phenotype caused by loss of CDK1 and hepatocyte division. <i>ELife</i> , 2020, 9, .	6.0	15
32	Novel phage display-derived mycolic acid-specific antibodies with potential for tuberculosis diagnosis. <i>Journal of Lipid Research</i> , 2013, 54, 2924-2932.	4.2	14
33	Phosphatidic acid is a major phospholipid class in reproductive organs of <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2015, 10, e1049790.	2.4	14
34	Prediction of retention for sulfonamides in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2008, 1189, 254-265.	3.7	13
35	Randomized, double-blind, placebo-controlled trial to examine the safety, pharmacokinetics and effects of Epimedium prenylflavonoids, on bone specific alkaline phosphatase and the osteoclast adaptor protein TRAF6 in post-menopausal women. <i>Phytomedicine</i> , 2021, 91, 153680.	5.3	13
36	Pharmacokinetics of Prenylflavonoids following Oral Ingestion of Standardized Epimedium Extract in Humans. <i>Planta Medica</i> , 2019, 85, 347-355.	1.3	12

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37	Investigation of Isoprostanes as Potential Biomarkers for Alzheimer's Disease Using Chiral LC-MS/MS and SFC-MS/MS. <i>Current Analytical Chemistry</i> , 2013, 10, 121-131.	1.2	11
38	A novel vibration-induced exercise paradigm improves fitness and lipid metabolism of <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2018, 8, 9420.	3.3	11
39	Metabolism of <sup>13</sup> C-Labeled Fatty Acids in Term Human Placental Explants by Liquid Chromatography-Mass Spectrometry. <i>Endocrinology</i> , 2019, 160, 1394-1408.	2.8	11
40	Synthesis and pharmacological evaluation of Tic-hydantoin derivatives as selective $\gamma$ 1 ligands. Part 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4828-4832.	2.2	10
41	Lipid profiling of <i>C. elegans</i> strains administered pro-longevity drugs and drug combinations. <i>Scientific Data</i> , 2018, 5, 180231.	5.3	10
42	Bacterial lipopolysaccharide core structures mediate effects of butanol ingress. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183150.	2.6	9
43	Myo-inositol alters <sup>13</sup> C-labeled fatty acid metabolism in human placental explants. <i>Journal of Endocrinology</i> , 2019, 243, 73-84.	2.6	9
44	The composition and function of <i>Enterococcus faecalis</i> membrane vesicles. <i>MicroLife</i> , 2021, 2, .	2.1	8
45	Active p38 $\beta$ causes macrovesicular fatty liver in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
46	Placental <sup>13</sup> C-DHA metabolism and relationship with maternal BMI, glycemia and birthweight. <i>Molecular Medicine</i> , 2021, 27, 84.	4.4	8
47	Gains and losses of metabolic function inferred from a phylotranscriptomic analysis of algae. <i>Scientific Reports</i> , 2019, 9, 10482.	3.3	7
48	Generation and Characterization of a Novel Recombinant Antibody Against 15-Ketocholestane Isolated by Phage-Display. <i>International Journal of Molecular Sciences</i> , 2012, 13, 4937-4948.	4.1	6
49	Predictors of circulating vitamin D levels in healthy mid-life Singaporean women. <i>Archives of Osteoporosis</i> , 2021, 16, 26.	2.4	6
50	Core features of triacylglyceride production in <i>Ettlia oleoabundans</i> revealed by lipidomic and gene expression profiling under distinct induction conditions. <i>Algal Research</i> , 2017, 26, 453-462.	4.6	3
51	Dual mass spectrometry as a tool to improve annotation and quantification in targeted plasma lipidomics. <i>Metabolomics</i> , 2020, 16, 53.	3.0	3
52	LipidClock: A Lipid-Based Predictor of Biological Age. <i>Frontiers in Aging</i> , 2022, 3, .	2.6	3
53	FasR Regulates Fatty Acid Biosynthesis and Is Essential for Virulence of <i>Mycobacterium tuberculosis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 586285.	3.5	1
54	A small-molecule Psora-4 acts as a caloric restriction mimetic to promote longevity in <i>C. elegans</i> . <i>GeroScience</i> , 2022, 44, 1029-1046.	4.6	1