

# Amaury Cazenave-Gassiot

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Lipidomic profiling of human serum enables detection of pancreatic cancer. <i>Nature Communications</i> , 2022, 13, 124.	12.8	68
3	LipidClock: A Lipid-Based Predictor of Biological Age. <i>Frontiers in Aging</i> , 2022, 3, .	2.6	3
4	The composition and function of <i>Enterococcus faecalis</i> membrane vesicles. <i>MicroLife</i> , 2021, 2, .	2.1	8
5	Single-Cell Analysis of Blood-Brain Barrier Response to Pericyte Loss. <i>Circulation Research</i> , 2021, 128, e46-e62.	4.5	98
6	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
7	Predictors of circulating vitamin D levels in healthy mid-life Singaporean women. <i>Archives of Osteoporosis</i> , 2021, 16, 26.	2.4	6
8	Deletion of <i>Mfsd2b</i> impairs thrombotic functions of platelets. <i>Nature Communications</i> , 2021, 12, 2286.	12.8	18
9	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
10	TDP-43 mediates SREBF2-regulated gene expression required for oligodendrocyte myelination. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	25
11	Placental 13C-DHA metabolism and relationship with maternal BMI, glycemia and birthweight. <i>Molecular Medicine</i> , 2021, 27, 84.	4.4	8
12	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
13	Bacterial lipopolysaccharide core structures mediate effects of butanol ingress. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183150.	2.6	9
14	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
15	Dual mass spectrometry as a tool to improve annotation and quantification in targeted plasma lipidomics. <i>Metabolomics</i> , 2020, 16, 53.	3.0	3
16	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
17	Gains and losses of metabolic function inferred from a phylotranscriptomic analysis of algae. <i>Scientific Reports</i> , 2019, 9, 10482.	3.3	7
18	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

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19	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
20	Changes in the Canine Plasma Lipidome after Short- and Long-Term Excess Glucocorticoid Exposure. <i>Scientific Reports</i> , 2019, 9, 6015.	3.3	19
21	Pharmacokinetics of Prenylflavonoids following Oral Ingestion of Standardized Epimedium Extract in Humans. <i>Planta Medica</i> , 2019, 85, 347-355.	1.3	12
22	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
23	Metabolic stress is a primary pathogenic event in transgenic <i>Caenorhabditis elegans</i> expressing pan-neuronal human amyloid beta. <i>ELife</i> , 2019, 8, .	6.0	55
24	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
25	Drug Synergy Slows Aging and Improves Healthspan through IGF and SREBP Lipid Signaling. <i>Developmental Cell</i> , 2018, 47, 67-79.e5.	7.0	60
26	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
27	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
28	The lysolipid transporter Mfsd2a regulates lipogenesis in the developing brain. <i>PLoS Biology</i> , 2018, 16, e2006443.	5.6	75
29	The Iceman’s Last Meal Consisted of Fat, Wild Meat, and Cereals. <i>Current Biology</i> , 2018, 28, 2348-2355.e9.	3.9	39
30	MS-based lipidomics of human blood plasma: a community-initiated position paper to develop accepted guidelines. <i>Journal of Lipid Research</i> , 2018, 59, 2001-2017.	4.2	231
31	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
32	LRH-1 regulates hepatic lipid homeostasis and maintains arachidonoyl phospholipid pools critical for phospholipid diversity. <i>JCI Insight</i> , 2018, 3, .	5.0	42
33	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
34	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950’s Metabolites in Frozen Human Plasma. <i>Journal of Lipid Research</i> , 2017, 58, 2275-2288.	4.2	312
35	Mfsd2b is essential for the sphingosine-1-phosphate export in erythrocytes and platelets. <i>Nature</i> , 2017, 550, 524-528.	27.8	189
36	Deciphering lipid structures based on platform-independent decision rules. <i>Nature Methods</i> , 2017, 14, 1171-1174.	19.0	116

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37	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
38	Comprehensive analysis of phospholipids and glycolipids in the opportunistic pathogen <i>Enterococcus faecalis</i> . <i>PLoS ONE</i> , 2017, 12, e0175886.	2.5	54
39	A mutation of <i>EPT1 (SELENOI)</i> underlies a new disorder of Kennedy pathway phospholipid biosynthesis. <i>Brain</i> , 2017, 140, aww318.	7.6	58
40	Mfsd2a Is a Transporter for the Essential $\omega$ -3 Fatty Acid Docosahexaenoic Acid (DHA) in Eye and Is Important for Photoreceptor Cell Development. <i>Journal of Biological Chemistry</i> , 2016, 291, 10501-10514.	3.4	112
41	Discovering and validating between-subject variations in plasma lipids in healthy subjects. <i>Scientific Reports</i> , 2016, 6, 19139.	3.3	45
42	Changes in Plasma Lipids during Exposure to Total Sleep Deprivation. <i>Sleep</i> , 2015, 38, 1683-1691.	1.1	65
43	A partially inactivating mutation in the sodium-dependent lysophosphatidylcholine transporter MFSD2A causes a non-lethal microcephaly syndrome. <i>Nature Genetics</i> , 2015, 47, 814-817.	21.4	108
44	Inactivating mutations in MFSD2A, required for omega-3 fatty acid transport in brain, cause a lethal microcephaly syndrome. <i>Nature Genetics</i> , 2015, 47, 809-813.	21.4	180
45	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
46	Mfsd2a is a transporter for the essential omega-3 fatty acid docosahexaenoic acid. <i>Nature</i> , 2014, 509, 503-506.	27.8	733
47	Targeting Lipid Esterases in Mycobacteria Grown Under Different Physiological Conditions Using Activity-based Profiling with Tetrahydrolipstatin (THL). <i>Molecular and Cellular Proteomics</i> , 2014, 13, 435-448.	3.8	54
48	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
49	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
50	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
51	Effect of increasing concentration of ammonium acetate as an additive in supercritical fluid chromatography using CO <sub>2</sub> -methanol mobile phase. <i>Journal of Chromatography A</i> , 2009, 1216, 6441-6450.	3.7	73
52	Prediction of retention for sulfonamides in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2008, 1189, 254-265.	3.7	13
53	Synthesis and pharmacological evaluation of Tic-hydantoin derivatives as selective $\beta$ 1 ligands. Part 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4828-4832.	2.2	10
54	Synthesis and pharmacological evaluation of Tic-hydantoin derivatives as selective $\beta$ 1 ligands. Part 1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4833-4837.	2.2	15