

Makoto Kurano

List of Publications by Year in descending order

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92
papers

2,051
citations

218592

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docs citations

95
times ranked

2440
citing authors

#	ARTICLE	IF	CITATIONS
1	Sphingosine 1-Phosphate and Atherosclerosis. <i>Journal of Atherosclerosis and Thrombosis</i> , 2018, 25, 16-26.	0.9	110
2	Possible Involvement of Minor Lysophospholipids in the Increase in Plasma Lysophosphatidic Acid in Acute Coronary Syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 463-470.	1.1	72
3	Liver involvement in sphingosine 1-phosphate dynamism revealed by Adenoviral hepatic overexpression of apolipoprotein M. <i>Atherosclerosis</i> , 2013, 229, 102-109.	0.4	70
4	Protection Against Insulin Resistance by Apolipoprotein M/Sphingosine-1-Phosphate. <i>Diabetes</i> , 2020, 69, 867-881.	0.3	54
5	Autotaxin Lysophosphatidic Acid Pathway in Intraocular Pressure Regulation and Glaucoma Subtypes. , 2018, 59, 693.		52
6	Sphingosine 1-phosphate release from platelets during clot formation: close correlation between platelet count and serum sphingosine 1-phosphate concentration. <i>Lipids in Health and Disease</i> , 2013, 12, 20.	1.2	51
7	Induction of insulin secretion by apolipoprotein M, a carrier for sphingosine 1-phosphate. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1217-1226.	1.2	51
8	Increased mRNA Levels of Sphingosine Kinases and S1P Lyase and Reduced Levels of S1P Were Observed in Hepatocellular Carcinoma in Association with Poorer Differentiation and Earlier Recurrence. <i>PLoS ONE</i> , 2016, 11, e0149462.	1.1	48
9	Apolipoprotein M Protects Lipopolysaccharide-Treated Mice from Death and Organ Injury. <i>Thrombosis and Haemostasis</i> , 2018, 118, 1021-1035.	1.8	48
10	Sitosterol prevents obesity-related chronic inflammation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 191-198.	1.2	48
11	Sphingosine kinase-1, S1P transporter spinster homolog 2 and S1P2 mRNA expressions are increased in liver with advanced fibrosis in human. <i>Scientific Reports</i> , 2016, 6, 32119.	1.6	45
12	Autotaxin Lysophosphatidic acid LPA signaling at the embryo epithelial boundary controls decidualization pathways. <i>EMBO Journal</i> , 2017, 36, 2146-2160.	3.5	44
13	LDL Receptor and ApoE Are Involved in the Clearance of ApoM-associated Sphingosine 1-Phosphate. <i>Journal of Biological Chemistry</i> , 2015, 290, 2477-2488.	1.6	41
14	Time course of the sensitivity and specificity of anti-SARS-CoV-2 IgM and IgG antibodies for symptomatic COVID-19 in Japan. <i>Scientific Reports</i> , 2021, 11, 2776.	1.6	41
15	Genome-wide association study of serum lipids confirms previously reported associations as well as new associations of common SNPs within PCSK7 gene with triglyceride. <i>Journal of Human Genetics</i> , 2016, 61, 427-433.	1.1	39
16	Role of the Autotaxin-LPA Pathway in Dexamethasone-Induced Fibrotic Responses and Extracellular Matrix Production in Human Trabecular Meshwork Cells. , 2018, 59, 21.		39
17	Lysophospholipids in laboratory medicine. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2018, 94, 373-389.	1.6	38
18	Lysophosphatidic acid is associated with neuropathic pain intensity in humans: An exploratory study. <i>PLoS ONE</i> , 2018, 13, e0207310.	1.1	38

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19	Lysophosphatidylcholine mediates fast decline in kidney function in diabetic kidney disease. <i>Kidney International</i> , 2022, 101, 510-526.	2.6	36
20	Modulation of sphingosine-1-phosphate and apolipoprotein M levels in the plasma, liver and kidneys in streptozotocin-induced diabetic mice. <i>Journal of Diabetes Investigation</i> , 2014, 5, 639-648.	1.1	33
21	Analysis of glycerol-lysophospholipids in gastric cancerous ascites. <i>Journal of Lipid Research</i> , 2017, 58, 763-771.	2.0	33
22	Higher LPA2 and LPA6 mRNA Levels in Hepatocellular Carcinoma Are Associated with Poorer Differentiation, Microvascular Invasion and Earlier Recurrence with Higher Serum Autotaxin Levels. <i>PLoS ONE</i> , 2016, 11, e0161825.	1.1	33
23	Lysophosphatidylserine has Bilateral Effects on Macrophages in the Pathogenesis of Atherosclerosis. <i>Journal of Atherosclerosis and Thrombosis</i> , 2015, 22, 518-526.	0.9	32
24	Plant Sterols Increased IL-6 and TNF- α Secretion from Macrophages, but to a Lesser Extent than Cholesterol. <i>Journal of Atherosclerosis and Thrombosis</i> , 2011, 18, 373-383.	0.9	28
25	Different origins of lysophospholipid mediators between coronary and peripheral arteries in acute coronary syndrome. <i>Journal of Lipid Research</i> , 2017, 58, 433-442.	2.0	28
26	Soluble CLEC-2 is generated independently of ADAM10 and is increased in plasma in acute coronary syndrome: comparison with soluble GPVI. <i>International Journal of Hematology</i> , 2019, 110, 285-294.	0.7	28
27	Blood levels of serotonin are specifically correlated with plasma lysophosphatidylserine among the glycerol-lysophospholipids. <i>BBA Clinical</i> , 2015, 4, 92-98.	4.1	27
28	Involvement of CETP (Cholesteryl Ester Transfer Protein) in the Shift of Sphingosine-1-Phosphate Among Lipoproteins and in the Modulation of its Functions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 506-514.	1.1	27
29	Evidence Suggests Sphingosine 1-Phosphate Might Be Actively Generated, Degraded, and Transported to Extracellular Spaces With Increased S1P2 and S1P3 Expression in Colon Cancer. <i>Clinical Colorectal Cancer</i> , 2018, 17, e171-e182.	1.0	25
30	Lysophosphatidylinositol, especially albumin-bound form, induces inflammatory cytokines in macrophages. <i>FASEB Journal</i> , 2021, 35, e21673.	0.2	24
31	Modulation of lipid metabolism with the overexpression of NPC1L1 in mouse liver. <i>Journal of Lipid Research</i> , 2012, 53, 2275-2285.	2.0	23
32	Performance of autotaxin as a serum marker for liver fibrosis. <i>Annals of Clinical Biochemistry</i> , 2018, 55, 469-477.	0.8	23
33	Sphingosine kinase-2 prevents macrophage cholesterol accumulation and atherosclerosis by stimulating autophagic lipid degradation. <i>Scientific Reports</i> , 2019, 9, 18329.	1.6	23
34	Apolipoprotein M suppresses the phenotypes of IgA nephropathy in hyper-IgA mice. <i>FASEB Journal</i> , 2019, 33, 5181-5195.	0.2	23
35	Analysis of urinary sphingolipids using liquid chromatography-tandem mass spectrometry in diabetic nephropathy. <i>Journal of Diabetes Investigation</i> , 2020, 11, 441-449.	1.1	23
36	LXR agonist increases apoE secretion from HepG2 spheroid, together with an increased production of VLDL and apoE-rich large HDL. <i>Lipids in Health and Disease</i> , 2011, 10, 134.	1.2	21

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37	Association between serum autotaxin or phosphatidylserine-specific phospholipase A1 levels and melanoma. <i>Journal of Dermatology</i> , 2018, 45, 571-579.	0.6	21
38	Aqueous autotaxin and TGF- β 2s are promising diagnostic biomarkers for distinguishing open-angle glaucoma subtypes. <i>Scientific Reports</i> , 2021, 11, 1408.	1.6	21
39	Evaluation of Lysophospholipid Measurement in Cerebrospinal Fluid Samples using Liquid Chromatography-Tandem Mass Spectrometry. <i>Lipids</i> , 2019, 54, 487-500.	0.7	20
40	Simultaneous Quantification of Sphingolipids in Small Quantities of Liver by LC-MS/MS. <i>Mass Spectrometry</i> , 2014, 3, S0046-S0046.	0.2	19
41	Resveratrol exerts a biphasic effect on apolipoprotein M. <i>British Journal of Pharmacology</i> , 2016, 173, 222-233.	2.7	19
42	Serum phosphatidylserine-specific phospholipase A 1 as a novel biomarker for monitoring systemic lupus erythematosus disease activity. <i>International Journal of Rheumatic Diseases</i> , 2019, 22, 2059-2066.	0.9	19
43	Possible involvement of PS-PLA1 and lysophosphatidylserine receptor (LPS1) in hepatocellular carcinoma. <i>Scientific Reports</i> , 2020, 10, 2659.	1.6	19
44	Involvement of autotaxin in the pathophysiology of elevated intraocular pressure in Posner-Schlossman syndrome. <i>Scientific Reports</i> , 2020, 10, 6265.	1.6	19
45	Serologic Survey of IgG Against SARS-CoV-2 Among Hospital Visitors Without a History of SARS-CoV-2 Infection in Tokyo, 2020-2021. <i>Journal of Epidemiology</i> , 2022, 32, 105-111.	1.1	19
46	Vehicle-dependent Effects of Sphingosine 1-phosphate on Plasminogen Activator Inhibitor-1 Expression. <i>Journal of Atherosclerosis and Thrombosis</i> , 2017, 24, 954-969.	0.9	18
47	Redox state of albumin affects its lipid mediator binding characteristics. <i>Free Radical Research</i> , 2019, 53, 892-900.	1.5	18
48	Increased aqueous autotaxin and lysophosphatidic acid levels are potential prognostic factors after trabeculectomy in different types of glaucoma. <i>Scientific Reports</i> , 2018, 8, 11304.	1.6	17
49	Clot waveform of APTT has abnormal patterns in subjects with COVID-19. <i>Scientific Reports</i> , 2021, 11, 5190.	1.6	17
50	Detection of Novel Visible-Light Region Absorbance Peaks in the Urine after Alkalization in Patients with Alkaptonuria. <i>PLoS ONE</i> , 2014, 9, e86606.	1.1	17
51	Glycation of HDL Polymerizes Apolipoprotein M and Attenuates Its Capacity to Bind to Sphingosine 1-Phosphate. <i>Journal of Atherosclerosis and Thrombosis</i> , 2020, 28, 730-741.	0.9	17
52	Response kinetics of different classes of antibodies to SARS-CoV2 infection in the Japanese population: The IgA and IgG titers increased earlier than the IgM titers. <i>International Immunopharmacology</i> , 2022, 103, 108491.	1.7	17
53	Establishment of a Measurement System for Sphingolipids in the Cerebrospinal Fluid Based on Liquid Chromatography-Tandem Mass Spectrometry, and Its Application in the Diagnosis of Carcinomatous Meningitis. <i>Journal of applied laboratory medicine</i> , The, 2020, 5, 656-670.	0.6	16
54	Crosstalk between transforming growth factor β 2 and Autotaxin in trabecular meshwork and different subtypes of glaucoma. <i>Journal of Biomedical Science</i> , 2021, 28, 47.	2.6	16

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55	Prognostic impact of homocysteine levels and homocysteine thiolactonase activity on long-term clinical outcomes in patients undergoing percutaneous coronary intervention. <i>Journal of Cardiology</i> , 2017, 69, 830-835.	0.8	15
56	Regulation of the metabolism of apolipoprotein M and sphingosine 1-phosphate by hepatic PPAR β activity. <i>Biochemical Journal</i> , 2018, 475, 2009-2024.	1.7	15
57	Alteration of the lysophosphatidic acid and its precursor lysophosphatidylcholine levels in spinal cord stenosis: A study using a rat cauda equina compression model. <i>Scientific Reports</i> , 2019, 9, 16578.	1.6	15
58	A New Enzyme Immunoassay for the Quantitative Determination of Classical Autotaxins (ATX 1 , ATX 2 , and Tj ETQq 0 0 rgBT /Overlock	1.1	14
59	Dihydro-sphingosine 1-phosphate interacts with carrier proteins in a manner distinct from that of sphingosine 1-phosphate. <i>Bioscience Reports</i> , 2018, 38, .	1.1	14
60	Validation of a new automated chemiluminescent anti-SARS-CoV-2 IgM and IgG antibody assay system detecting both N and S proteins in Japan. <i>PLoS ONE</i> , 2021, 16, e0247711.	1.1	14
61	Neuroprotective role of sphingolipid rheostat in excitotoxic retinal ganglion cell death. <i>Experimental Eye Research</i> , 2021, 208, 108623.	1.2	13
62	Inhibition of autotaxin activity ameliorates neuropathic pain derived from lumbar spinal canal stenosis. <i>Scientific Reports</i> , 2021, 11, 3984.	1.6	13
63	Hepatic NPC1L1 Overexpression Ameliorates Glucose Metabolism in Diabetic Mice Via Suppression of Gluconeogenesis. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 588-596.	1.5	12
64	Higher serum levels of autotaxin and phosphatidylserine-specific phospholipase A 1 in patients with lupus nephritis. <i>International Journal of Rheumatic Diseases</i> , 2021, 24, 231-239.	0.9	12
65	Simultaneous analyses of urinary eicosanoids and related mediators identified tetranor-prostaglandin E metabolite as a novel biomarker of diabetic nephropathy. <i>Journal of Lipid Research</i> , 2021, 62, 100120.	2.0	11
66	Elevated phosphatidylserine-specific phospholipase A1 level in hyperthyroidism. <i>Clinica Chimica Acta</i> , 2020, 503, 99-106.	0.5	11
67	Facilitatory effect of insulin treatment on hepatocellular carcinoma development in diabetes. <i>BMC Research Notes</i> , 2017, 10, 478.	0.6	10
68	Involvement of Band3 in the efflux of sphingosine 1-phosphate from erythrocytes. <i>PLoS ONE</i> , 2017, 12, e0177543.	1.1	10
69	Light Stress-Induced Increase of Sphingosine 1-Phosphate in Photoreceptors and Its Relevance to Retinal Degeneration. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3670.	1.8	9
70	Measurement of SARS-CoV-2 Antibody Titers Improves the Prediction Accuracy of COVID-19 Maximum Severity by Machine Learning in Non-Vaccinated Patients. <i>Frontiers in Immunology</i> , 2022, 13, 811952.	2.2	9
71	Serum GM3(d18:1-16:0) and GM3(d18:1-24:1) levels may be associated with lymphoma: An exploratory study with haematological diseases. <i>Scientific Reports</i> , 2019, 9, 6308.	1.6	8
72	Serum autotaxin levels are associated with Graves' disease. <i>Endocrine Journal</i> , 2019, 66, 409-422.	0.7	8

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73	Regulation of plasma glycerol-lysophospholipid levels by lipoprotein metabolism. <i>Biochemical Journal</i> , 2019, 476, 3565-3581.	1.7	8
74	Association of the Serum Levels of the Nucleocapsid Antigen of SARS-CoV-2 With the Diagnosis, Disease Severity, and Antibody Titers in Patients With COVID-19: A Retrospective Cross-Sectional Study. <i>Frontiers in Microbiology</i> , 2021, 12, 791489.	1.5	8
75	Differences in the Distribution of Ceramides and Sphingosine among Lipoprotein and Lipoprotein-Depleted Fractions in Patients with Type 2 Diabetes Mellitus. <i>Journal of Atherosclerosis and Thrombosis</i> , 2022, 29, 1727-1758.	0.9	7
76	Possible involvement of sphingomyelin in the regulation of the plasma sphingosine 1-phosphate level in human subjects. <i>Clinical Biochemistry</i> , 2015, 48, 690-697.	0.8	6
77	Use of gas chromatography mass spectrometry to elucidate metabolites predicting the phenotypes of IgA nephropathy in hyper IgA mice. <i>PLoS ONE</i> , 2019, 14, e0219403.	1.1	6
78	Modulation of sphingosine 1-phosphate by hepatobiliary cholesterol handling. <i>FASEB Journal</i> , 2020, 34, 14655-14670.	0.2	6
79	Urinary autotaxin concentrations are associated with kidney injury. <i>Clinica Chimica Acta</i> , 2020, 509, 156-165.	0.5	6
80	Interpretations of SARS-CoV-2 IgM and IgG antibody titers in the seroepidemiological study of asymptomatic healthy volunteers. <i>Journal of Infection and Chemotherapy</i> , 2022, 28, 266-272.	0.8	6
81	Urine autotaxin levels reflect the disease activity of sarcoidosis. <i>Scientific Reports</i> , 2022, 12, 4372.	1.6	5
82	Autotaxin and soluble IL-2 receptor concentrations in cerebrospinal fluids are useful for the diagnosis of central nervous system invasion caused by haematological malignancies. <i>Annals of Clinical Biochemistry</i> , 2019, 56, 240-246.	0.8	4
83	Increase in serum levels of phosphatidylserine-specific phospholipase A1 in COVID-19 patients. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2275-2277.	4.8	4
84	Urine sediment findings were milder in patients with COVID-19-associated renal injuries than in those with non-COVID-19-associated renal injuries. <i>International Journal of Infectious Diseases</i> , 2022, 117, 302-311.	1.5	4
85	Clinical usefulness of multigene screening with phenotype-driven bioinformatics analysis for the diagnosis of patients with monogenic diabetes or severe insulin resistance. <i>Diabetes Research and Clinical Practice</i> , 2020, 169, 108461.	1.1	3
86	Epidemiological study using IgM and IgG antibody titers against SARS-CoV-2 in The University of Tokyo, Japan (UT-CATS). <i>Journal of Infection and Chemotherapy</i> , 2021, 27, 1342-1349.	0.8	3
87	COVID-19 in an adolescent with aplastic anemia undergoing immunosuppressive therapy: A case report and details of antibody testing for SARS-CoV-2. <i>Pediatric Blood and Cancer</i> , 2022, 69, e29332.	0.8	3
88	Understanding modulations of lipid mediators in cancer using a murine model of carcinomatous peritonitis. <i>Cancer Medicine</i> , 2022, 11, 3491-3507.	1.3	3
89	Midstream urine sampling is necessary for accurate measurement of the urinary level of neutrophil gelatinase-associated lipocalin in healthy female subjects. <i>Clinical Biochemistry</i> , 2020, 79, 70-74.	0.8	2
90	Suppression of sphingosine 1-phosphate lyase retards the liver regeneration in mice after partial hepatectomy. <i>Bioscience Reports</i> , 2020, 40, .	1.1	1

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91	Isoform-Dependent Effects of Apolipoprotein E on Sphingolipid Metabolism in Neural Cells. Journal of Alzheimer's Disease, 2022, 85, 1529-1544.	1.2	1
92	Possible involvement of minor lysophospholipids in the pathogenesis of acute coronary syndrome. Japanese Journal of Thrombosis and Hemostasis, 2016, 27, 460-465.	0.1	0