

Makoto Kurano

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

1,247
citations

22
h-index

30
g-index

95
ext. papers

1,751
ext. citations

4.5
avg, IF

4.64
L-index

#	Paper	IF	Citations
87	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	8.4	4
86	Urine autotaxin levels reflect the disease activity of sarcoidosis.. <i>Scientific Reports</i> , 2022 , 12, 4372	4.9	0
85	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> , 2021 ,	2.2	3
84	Lysophosphatidylcholine mediates fast decline in kidney function in diabetic kidney disease. <i>Kidney International</i> , 2021 ,	9.9	4
83	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> , 2021 , 103, 108491	5.8	3
82	Glycation of HDL Polymerizes Apolipoprotein M and Attenuates Its Capacity to Bind to Sphingosine 1-Phosphate. <i>Journal of Atherosclerosis and Thrombosis</i> , 2021 , 28, 730-741	4	6
81	Inhibition of autotaxin activity ameliorates neuropathic pain derived from lumbar spinal canal stenosis. <i>Scientific Reports</i> , 2021 , 11, 3984	4.9	2
80	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	3.7	7
79	Clot waveform of APTT has abnormal patterns in subjects with COVID-19. <i>Scientific Reports</i> , 2021 , 11, 5190	4.9	8
78	Lysophosphatidylinositol, especially albumin-bound form, induces inflammatory cytokines in macrophages. <i>FASEB Journal</i> , 2021 , 35, e21673	0.9	4
77	Crosstalk between transforming growth factor β and Autotaxin in trabecular meshwork and different subtypes of glaucoma. <i>Journal of Biomedical Science</i> , 2021 , 28, 47	13.3	3
76	Neuroprotective role of sphingolipid rheostat in excitotoxic retinal ganglion cell death. <i>Experimental Eye Research</i> , 2021 , 208, 108623	3.7	2
75	Increase in serum levels of phosphatidylserine-specific phospholipase A in COVID-19 patients. <i>Cellular and Molecular Immunology</i> , 2021 , 18, 2275-2277	15.4	2
74	Higher serum levels of autotaxin and phosphatidylserine-specific phospholipase A in patients with lupus nephritis. <i>International Journal of Rheumatic Diseases</i> , 2021 , 24, 231-239	2.3	6
73	Aqueous autotaxin and TGF- β are promising diagnostic biomarkers for distinguishing open-angle glaucoma subtypes. <i>Scientific Reports</i> , 2021 , 11, 1408	4.9	8
72	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	4.9	17
71	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	2.2	1

70	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> , 2021 , e29332	3	1
69	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 , 100120	6.3	3
68	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	5.7	1
67	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, The</i> , 2020 , 5, 656-670	2	3
66	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	3.5	0
65	Urinary autotaxin concentrations are associated with kidney injury. <i>Clinica Chimica Acta</i> , 2020 , 509, 156-165		3
64	Possible involvement of PS-PLA1 and lysophosphatidylserine receptor (LPS1) in hepatocellular carcinoma. <i>Scientific Reports</i> , 2020 , 10, 2659	4.9	7
63	Elevated phosphatidylserine-specific phospholipase A1 level in hyperthyroidism. <i>Clinica Chimica Acta</i> , 2020 , 503, 99-106	6.2	6
62	Analysis of urinary sphingolipids using liquid chromatography-tandem mass spectrometry in diabetic nephropathy. <i>Journal of Diabetes Investigation</i> , 2020 , 11, 441-449	3.9	11
61	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	7.4	1
60	Modulation of sphingosine 1-phosphate by hepatobiliary cholesterol handling. <i>FASEB Journal</i> , 2020 , 34, 14655-14670	0.9	1
59	Protection Against Insulin Resistance by Apolipoprotein M/Sphingosine-1-Phosphate. <i>Diabetes</i> , 2020 , 69, 867-881	0.9	27
58	Involvement of autotaxin in the pathophysiology of elevated intraocular pressure in Posner-Schlossman syndrome. <i>Scientific Reports</i> , 2020 , 10, 6265	4.9	12
57	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	2.2	3
56	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	2.3	9
55	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	4.9	3
54	Serum autotaxin levels are associated with GravesTisease. <i>Endocrine Journal</i> , 2019 , 66, 409-422	2.9	5
53	Redox state of albumin affects its lipid mediator binding characteristics. <i>Free Radical Research</i> , 2019 , 53, 892-900	4	10

52	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	3.7	3
51	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,	6.3	3
50	Evaluation of Lysophospholipid Measurement in Cerebrospinal Fluid Samples using Liquid Chromatography-Tandem Mass Spectrometry. <i>Lipids</i> , 2019 , 54, 487-500	1.6	9
49	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	4.9	10
48	Serum phosphatidylserine-specific phospholipase A as a novel biomarker for monitoring systemic lupus erythematosus disease activity. <i>International Journal of Rheumatic Diseases</i> , 2019 , 22, 2059-2066	2.3	10
47	Regulation of plasma glycerol-lysophospholipid levels by lipoprotein metabolism. <i>Biochemical Journal</i> , 2019 , 476, 3565-3581	3.8	6
46	Sphingosine kinase-2 prevents macrophage cholesterol accumulation and atherosclerosis by stimulating autophagic lipid degradation. <i>Scientific Reports</i> , 2019 , 9, 18329	4.9	11
45	Apolipoprotein M suppresses the phenotypes of IgA nephropathy in hyper-IgA mice. <i>FASEB Journal</i> , 2019 , 33, 5181-5195	0.9	14
44	Association between serum autotaxin or phosphatidylserine-specific phospholipase A1 levels and melanoma. <i>Journal of Dermatology</i> , 2018 , 45, 571-579	1.6	16
43	Apolipoprotein M Protects Lipopolysaccharide-Treated Mice from Death and Organ Injury. <i>Thrombosis and Haemostasis</i> , 2018 , 118, 1021-1035	7	32
42	Evidence Suggests Sphingosine 1-Phosphate Might Be Actively Generated, Degraded, and Transported to Extracellular Spaces With Increased S1P and S1P Expression in Colon Cancer. <i>Clinical Colorectal Cancer</i> , 2018 , 17, e171-e182	3.8	15
41	Regulation of the metabolism of apolipoprotein M and sphingosine 1-phosphate by hepatic PPAR activity. <i>Biochemical Journal</i> , 2018 , 475, 2009-2024	3.8	9
40	Performance of autotaxin as a serum marker for liver fibrosis. <i>Annals of Clinical Biochemistry</i> , 2018 , 55, 469-477	2.2	15
39	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	4.9	12
38	Sitosterol prevents obesity-related chronic inflammation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 191-198	5	29
37	Lysophospholipids in laboratory medicine. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2018 , 94, 373-389	4	26
36	Lysophosphatidic acid is associated with neuropathic pain intensity in humans: An exploratory study. <i>PLoS ONE</i> , 2018 , 13, e0207310	3.7	22
35	Dihydro-sphingosine 1-phosphate interacts with carrier proteins in a manner distinct from that of sphingosine 1-phosphate. <i>Bioscience Reports</i> , 2018 , 38,	4.1	10

34	Role of the Autotaxin-LPA Pathway in Dexamethasone-Induced Fibrotic Responses and Extracellular Matrix Production in Human Trabecular Meshwork Cells 2018 , 59, 21-30		27
33	Autotaxin-Lysophosphatidic Acid Pathway in Intraocular Pressure Regulation and Glaucoma Subtypes 2018 , 59, 693-701		30
32	Sphingosine 1-Phosphate and Atherosclerosis. <i>Journal of Atherosclerosis and Thrombosis</i> , 2018 , 25, 16-264		59
31	Different origins of lysophospholipid mediators between coronary and peripheral arteries in acute coronary syndrome. <i>Journal of Lipid Research</i> , 2017 , 58, 433-442	6.3	23
30	Analysis of glycerol-lysophospholipids in gastric cancerous ascites. <i>Journal of Lipid Research</i> , 2017 , 58, 763-771	6.3	21
29	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	9.4	21
28	Autotaxin-lysophosphatidic acid-LPA signaling at the embryo-epithelial boundary controls decidualization pathways. <i>EMBO Journal</i> , 2017 , 36, 2146-2160	13	29
27	Facilitatory effect of insulin treatment on hepatocellular carcinoma development in diabetes. <i>BMC Research Notes</i> , 2017 , 10, 478	2.3	7
26	Vehicle-dependent Effects of Sphingosine 1-phosphate on Plasminogen Activator Inhibitor-1 Expression. <i>Journal of Atherosclerosis and Thrombosis</i> , 2017 , 24, 954-969	4	15
25	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	3	11
24	Involvement of Band3 in the efflux of sphingosine 1-phosphate from erythrocytes. <i>PLoS ONE</i> , 2017 , 12, e0177543	3.7	8
23	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, 427-33	4.3	31
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	3.7	25
21	Possible involvement of minor lysophospholipids in the pathogenesis of acute coronary syndrome. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2016 , 27, 460-465	0	
20	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	3.7	37
19	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	4.9	34
18	Resveratrol exerts a biphasic effect on apolipoprotein M. <i>British Journal of Pharmacology</i> , 2016 , 173, 222-33	8.6	16
17	LDL receptor and ApoE are involved in the clearance of ApoM-associated sphingosine 1-phosphate. <i>Journal of Biological Chemistry</i> , 2015 , 290, 2477-88	5.4	30

16	Possible involvement of sphingomyelin in the regulation of the plasma sphingosine 1-phosphate level in human subjects. <i>Clinical Biochemistry</i> , 2015 , 48, 690-7	3.5	5
15	Hepatic NPC1L1 overexpression ameliorates glucose metabolism in diabetic mice via suppression of gluconeogenesis. <i>Metabolism: Clinical and Experimental</i> , 2015 , 64, 588-96	12.7	10
14	Blood levels of serotonin are specifically correlated with plasma lysophosphatidylserine among the glycerol-lysophospholipids. <i>BBA Clinical</i> , 2015 , 4, 92-8		22
13	Lysophosphatidylserine has Bilateral Effects on Macrophages in the Pathogenesis of Atherosclerosis. <i>Journal of Atherosclerosis and Thrombosis</i> , 2015 , 22, 518-26	4	23
12	A New Enzyme Immunoassay for the Quantitative Determination of Classical Autotaxins (ATX α and ATX β) and Novel Autotaxins (ATX γ and ATX δ). <i>PLoS ONE</i> , 2015 , 10, e0130074	3.7	12
11	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, 463-70	9.4	58
10	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, 1217-26	5	40
9	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, 639-48	3.9	29
8	Simultaneous Quantification of Sphingolipids in Small Quantities of Liver by LC-MS/MS. <i>Mass Spectrometry</i> , 2014 , 3, S0046	1.7	15
7	Detection of novel visible-light region absorbance peaks in the urine after alkalization in patients with alkaptonuria. <i>PLoS ONE</i> , 2014 , 9, e86606	3.7	14
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	4.4	33
5	Liver involvement in sphingosine 1-phosphate dynamism revealed by adenoviral hepatic overexpression of apolipoprotein M. <i>Atherosclerosis</i> , 2013 , 229, 102-9	3.1	57
4	Modulation of lipid metabolism with the overexpression of NPC1L1 in mouse liver. <i>Journal of Lipid Research</i> , 2012 , 53, 2275-85	6.3	18
3	Plant sterols increased IL-6 and TNF- β secretion from macrophages, but to a lesser extent than cholesterol. <i>Journal of Atherosclerosis and Thrombosis</i> , 2011 , 18, 373-83	4	27
2	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	4.4	15
1	Validation of a new automated chemiluminescent anti-SARS-CoV-2 IgM and IgG antibody assay system detecting both N and S proteins in Japan		2