Makoto Miyazaki

List of Publications by Year
in descending order

35 papers	2,025 citations	361045 20 h-index	414034 32 g-index
35 all docs	35 docs citations	35 times ranked	3883 citing authors

#	Article	IF	Citations
1	Hepatic Stearoyl-CoA Desaturase-1 Deficiency Protects Mice from Carbohydrate-Induced Adiposity and Hepatic Steatosis. Cell Metabolism, 2007, 6, 484-496.	7.2	367
2	Role of stearoyl-coenzyme A desaturase in lipid metabolism. Prostaglandins Leukotrienes and Essential Fatty Acids, 2003, 68, 113-121.	1.0	235
3	Single-Cell Analysis of the Liver Epithelium Reveals Dynamic Heterogeneity and an Essential Role for YAP in Homeostasis and Regeneration. Cell Stem Cell, 2019, 25, 23-38.e8.	5.2	176
4	Colocalization of SCD1 and DGAT2: implying preference for endogenous monounsaturated fatty acids in triglyceride synthesis. Journal of Lipid Research, 2006, 47, 1928-1939.	2.0	171
5	PERKâ€eIF2Î±â€ATF4â€CHOP Signaling Contributes to TNFÎ±â€Induced Vascular Calcification. Journal of the American Heart Association, 2013, 2, e000238.	1.6	106
6	Stearoyl-CoA desaturase-1 deficiency attenuates obesity and insulin resistance in leptin-resistant obese mice. Biochemical and Biophysical Research Communications, 2009, 380, 818-822.	1.0	98
7	Dual Activation of the Bile Acid Nuclear Receptor FXR and G-Protein-Coupled Receptor TGR5 Protects Mice against Atherosclerosis. PLoS ONE, 2014, 9, e108270.	1.1	98
8	Synthetic Farnesoid X Receptor Agonists Induce High-Density Lipoprotein-Mediated Transhepatic Cholesterol Efflux in Mice and Monkeys and Prevent Atherosclerosis in Cholesteryl Ester Transfer Protein Transgenic Low-Density Lipoprotein Receptor (âˆ'/âˆ') Mice. Journal of Pharmacology and Experimental Therapeutics, 2012, 343, 556-567.	1.3	90
9	Farnesoid X Receptor Activation Prevents the Development of Vascular Calcification in ApoE ^{âˆ'/âˆ'} Mice With Chronic Kidney Disease. Circulation Research, 2010, 106, 1807-1817.	2.0	85
10	Saturated phosphatidic acids mediate saturated fatty acidâ€“induced vascular calcification and lipotoxicity. Journal of Clinical Investigation, 2015, 125, 4544-4558.	3.9	59
11	CD8+ T cells modulate autosomal dominant polycystic kidney disease progression. Kidney International, 2018, 94, 1127-1140.	2.6	54
12	Activating transcription factor 4 regulates stearate-induced vascular calcification. Journal of Lipid Research, 2012, 53, 1543-1552.	2.0	51
13	Endoplasmic Reticulum Stress Effector CCAAT/Enhancerâ€binding Protein Homologous Protein (CHOP) Regulates Chronic Kidney Diseaseâ€“Induced Vascular Calcification. Journal of the American Heart Association, 2014, 3, e000949.	1.6	49
14	Lipidomic insight into cardiovascular diseases. Biochemical and Biophysical Research Communications, 2018, 504, 590-595.	1.0	47
15	Deoxycholic Acid, a Metabolite of Circulating Bile Acids, and Coronary Artery Vascular Calcification in CKD. American Journal of Kidney Diseases, 2018, 71, 27-34.	2.1	46
16	Simultaneous inhibition of FXR and TGR5 exacerbates atherosclerotic formation. Journal of Lipid Research, 2018, 59, 1709-1713.	2.0	44
17	An N-terminalâ€“truncated isoform of FAM134B (FAM134B-2) regulates starvation-induced hepatic selective ER-phagy. Life Science Alliance, 2019, 2, e201900340.	1.3	36
18	Activating transcription factor-4 promotes mineralization in vascular smooth muscle cells. JCI Insight, 2016, 1, e88646.	2.3	35

#	Article	IF	Citations
19	Fatty acid desaturation and chain elongation in mammals. , 2008, , 191-211.		34
20	The CDK9â€“cyclin T1 complex mediates saturated fatty acidâ€“induced vascular calcification by inducing expression of the transcription factor CHOP. Journal of Biological Chemistry, 2018, 293, 17008-17020.	1.6	25
21	C/EBPÎ² in bone marrow is essential for diet induced inflammation, cholesterol balance, and atherosclerosis. Atherosclerosis, 2016, 250, 172-179.	0.4	24
22	Sulforaphane induces lipophagy through the activation of AMPK-mTOR-ULK1 pathway signaling in adipocytes. Journal of Nutritional Biochemistry, 2022, 106, 109017.	1.9	14
23	GPAT4-Generated Saturated LPAs Induce Lipotoxicity through Inhibition of Autophagy by Abnormal Formation of Omegasomes. IScience, 2020, 23, 101105.	1.9	12
24	Reduction of stearoyl-CoA desaturase (SCD) contributes muscle atrophy through the excess endoplasmic reticulum stress in chronic kidney disease. Journal of Clinical Biochemistry and Nutrition, 2020, 67, 179-187.	0.6	12
25	Free Deoxycholic Acid Exacerbates Vascular Calcification in CKD through ER Stress-Mediated ATF4 Activation. Kidney360, 2021, 2, 857-868.	0.9	11
26	Randomized, Placebo-Controlled Trial of Rifaximin Therapy for Lowering Gut-Derived Cardiovascular Toxins and Inflammation in CKD. Kidney360, 2020, 1, 1206-1216.	0.9	10
27	MEF2D-NR4A1-FAM134B2-mediated reticulophagy contributes to amino acid homeostasis. Autophagy, 2022, 18, 1049-1061.	4.3	9
28	Deoxycholic Acid and Risks of Cardiovascular Events, ESKD, and Mortality in CKD: The CRIC Study. Kidney Medicine, 2022, 4, 100387.	1.0	8
29	All-trans retinoic acid reduces the transcriptional regulation of intestinal sodium-dependent phosphate co-transporter gene (<i>Npt2b</i>). Biochemical Journal, 2020, 477, 817-831.	1.7	7
30	Targeted Disruption of a Proximal Tubuleâ€“Specific TMEM174 Gene in Mice Causes Hyperphosphatemia and Vascular Calcification. Journal of the American Society of Nephrology: JASN, 2022, 33, 1477-1486.	3.0	6
31	A Novel Treatment for Glomerular Disease: Targeting the Activated Macrophage Folate Receptor with a Trojan Horse Therapy in Rats. Cells, 2021, 10, 2113.	1.8	2
32	Deoxycholic Acid and Coronary Artery Calcification in the Chronic Renal Insufficiency Cohort. Journal of the American Heart Association, 2022, 11, e022891.	1.6	2
33	Stearoyl CoA desaturaseâ€1 mediates the proâ€lipogenic effects of dietary saturated fat. FASEB Journal, 2007, 21, A109.	0.2	1
34	25-hydroxyvitamin D-1Î±-hydroxylase (CYP27B1) induces ectopic calcification. Journal of Clinical Biochemistry and Nutrition, 2022, , .	0.6	1
35	Role of bile acid receptors in the regulation of cardiovascular diseases. , 2020, , 413-426.		0