Makoto Miyazaki

List of Publications by Citations

33 papers	1,469 citations	19 h-index	35 g-index
35 ext. papers	1,768 ext. citations	6.7 avg, IF	4.35 L-index

#	Paper	IF	Citations
33	Hepatic stearoyl-CoA desaturase-1 deficiency protects mice from carbohydrate-induced adiposity and hepatic steatosis. *Cell Metabolism*, **2007**, 6, 484-96	24.6	301
32	Role of stearoyl-coenzyme A desaturase in lipid metabolism. *Prostaglandins Leukotrienes and Essential Fatty Acids*, **2003**, 68, 113-21	2.8	207
31	Colocalization of SCD1 and DGAT2: implying preference for endogenous monounsaturated fatty acids in triglyceride synthesis. *Journal of Lipid Research*, **2006**, 47, 1928-39	6.3	143
30	PERK-eIF2ATF4-CHOP signaling contributes to TNFnduced vascular calcification. *Journal of the American Heart Association*, **2013**, 2, e000238	6	83
29	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	18	82
28	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 (-/-) mice. *Journal of Pharmacology and Experimental Therapeutics*, **2012**, 343, 556-67	4.7	81
27	Stearoyl-CoA desaturase-1 deficiency attenuates obesity and insulin resistance in leptin-resistant obese mice. *Biochemical and Biophysical Research Communications*, **2009**, 380, 818-22	3.4	77
26	Dual activation of the bile acid nuclear receptor FXR and G-protein-coupled receptor TGR5 protects mice against atherosclerosis. *PLoS ONE*, **2014**, 9, e108270	3.7	76
25	Farnesoid X receptor activation prevents the development of vascular calcification in ApoE-/- mice with chronic kidney disease. *Circulation Research*, **2010**, 106, 1807-17	15.7	66
24	Saturated phosphatidic acids mediate saturated fatty acid-induced vascular calcification and lipotoxicity. *Journal of Clinical Investigation*, **2015**, 125, 4544-58	15.9	40
23	Activating transcription factor 4 regulates stearate-induced vascular calcification. *Journal of Lipid Research*, **2012**, 53, 1543-52	6.3	37
22	Endoplasmic reticulum stress effector CCAAT/enhancer-binding protein homologous protein (CHOP) regulates chronic kidney disease-induced vascular calcification. *Journal of the American Heart Association*, **2014**, 3, e000949	6	36
21	Deoxycholic Acid, a Metabolite of Circulating Bile Acids, and Coronary Artery Vascular Calcification in CKD. *American Journal of Kidney Diseases*, **2018**, 71, 27-34	7.4	33
20	Lipidomic insight into cardiovascular diseases. *Biochemical and Biophysical Research Communications*, **2018**, 504, 590-595	3.4	30
19	Fatty acid desaturation and chain elongation in mammals **2008**, 191-211		27
18	Simultaneous inhibition of FXR and TGR5 exacerbates atherosclerotic formation. *Journal of Lipid Research*, **2018**, 59, 1709-1713	6.3	25
17	Activating transcription factor-4 promotes mineralization in vascular smooth muscle cells. *JCI Insight*, **2016**, 1, e88646	9.9	23

List of Publications

16	CD8 T cells modulate autosomal dominant polycystic kidney disease progression. *Kidney International*, **2018**, 94, 1127-1140	9.9	22
15	An N-terminal-truncated isoform of FAM134B (FAM134B-2) regulates starvation-induced hepatic selective ER-phagy. *Life Science Alliance*, **2019**, 2,	5.8	19
14	C/EBP□in bone marrow is essential for diet induced inflammation, cholesterol balance, and atherosclerosis. *Atherosclerosis*, **2016**, 250, 172-9	3.1	19
13	The CDK9-cyclin T1 complex mediates saturated fatty acid-induced vascular calcification by inducing expression of the transcription factor CHOP. *Journal of Biological Chemistry*, **2018**, 293, 17008-17020	5.4	18
12	GPAT4-Generated Saturated LPAs Induce Lipotoxicity through Inhibition of Autophagy by Abnormal Formation of Omegasomes. *IScience*, **2020**, 23, 101105	6.1	6
11	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	3.1	4
10	Randomized, Placebo-Controlled Trial of Rifaximin Therapy for Lowering Gut-Derived Cardiovascular Toxins and Inflammation in CKD. *Kidney360*, **2020**, 1, 1206-1216	1.8	4
9	All-trans retinoic acid reduces the transcriptional regulation of intestinal sodium-dependent phosphate co-transporter gene (Npt2b). *Biochemical Journal*, **2020**, 477, 817-831	3.8	3
8	Free Deoxycholic Acid Exacerbates Vascular Calcification in CKD through ER Stress-Mediated ATF4 Activation. *Kidney360*, **2021**, 2, 857-868	1.8	2
7	Deoxycholic Acid and Risks of Cardiovascular Events, ESKD, and Mortality in CKD: The CRIC Study.. *Kidney Medicine*, **2022**, 4, 100387	2.8	1
6	A Novel Treatment for Glomerular Disease: Targeting the Activated Macrophage Folate Receptor with a Trojan Horse Therapy in Rats. *Cells*, **2021**, 10,	7.9	1
5	MEF2D-NR4A1-FAM134B2-mediated reticulophagy contributes to amino acid homeostasis. *Autophagy*, **2021**, 1-13	10.2	1
4	Sulforaphane induces lipophagy through the activation of AMPK-mTOR-ULK1 pathway signaling in adipocytes.. *Journal of Nutritional Biochemistry*, **2022**, 109017	6.3	1
3	Stearoyl CoA desaturase-1 mediates the pro-lipogenic effects of dietary saturated fat. *FASEB Journal*, **2007**, 21, A109	0.9	
2	Role of bile acid receptors in the regulation of cardiovascular diseases **2020**, 413-426		
1	Deoxycholic Acid and Coronary Artery Calcification in the Chronic Renal Insufficiency Cohort.. *Journal of the American Heart Association*, **2022**, e022891	6	