Juro Sakai

List of Publications by Citations

35 papers	1,993 citations	20 h-index	44 g-index
45 ext. papers	2,347 ext. citations	9.2 avg, IF	4.27 L-index

#	Paper	IF	Citations
35	Sterol-regulated release of SREBP-2 from cell membranes requires two sequential cleavages, one within a transmembrane segment. *Cell*, **1996**, 85, 1037-46	56.2	427
34	Transcriptional and epigenetic control of brown and beige adipose cell fate and function. *Nature Reviews Molecular Cell Biology*, **2016**, 17, 480-95	48.7	158
33	The peroxisome proliferator-activated receptor gamma/retinoid X receptor alpha heterodimer targets the histone modification enzyme PR-Set7/Setd8 gene and regulates adipogenesis through a positive feedback loop. *Molecular and Cellular Biology*, **2009**, 29, 3544-55	4.8	158
32	Obesity and metabolic syndrome in histone demethylase JHDM2a-deficient mice. *Genes To Cells*, **2009**, 14, 991-1001	2.3	146
31	COUP-TFII acts downstream of Wnt/beta-catenin signal to silence PPARgamma gene expression and repress adipogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 5819-24	11.5	140
30	H3K4/H3K9me3 Bivalent Chromatin Domains Targeted by Lineage-Specific DNA Methylation Pauses Adipocyte Differentiation. *Molecular Cell*, **2015**, 60, 584-96	17.6	126
29	Hairpin orientation of sterol regulatory element-binding protein-2 in cell membranes as determined by protease protection. *Journal of Biological Chemistry*, **1995**, 270, 29422-7	5.4	124
28	Global mapping of cell type-specific open chromatin by FAIRE-seq reveals the regulatory role of the NFI family in adipocyte differentiation. *PLoS Genetics*, **2011**, 7, e1002311	6	89
27	Extracellular Acidic pH Activates the Sterol Regulatory Element-Binding Protein 2 to Promote Tumor Progression. *Cell Reports*, **2017**, 18, 2228-2242	10.6	85
26	JMJD1A is a signal-sensing scaffold that regulates acute chromatin dynamics via SWI/SNF association for thermogenesis. *Nature Communications*, **2015**, 6, 7052	17.4	72
25	The KDM3A-KLF2-IRF4 axis maintains myeloma cell survival. *Nature Communications*, **2016**, 7, 10258	17.4	61
24	Sterol-mediated regulation of human lipin 1 gene expression in hepatoblastoma cells. *Journal of Biological Chemistry*, **2009**, 284, 22195-22205	5.4	55
23	Vitamin D Metabolite, 25-Hydroxyvitamin D, Regulates Lipid Metabolism by Inducing Degradation of SREBP/SCAP. *Cell Chemical Biology*, **2017**, 24, 207-217	8.2	53
22	Histone demethylase JMJD1A coordinates acute and chronic adaptation to cold stress via thermogenic phospho-switch. *Nature Communications*, **2018**, 9, 1566	17.4	33
21	Pemafibrate, a selective PPAR□modulator, prevents non-alcoholic steatohepatitis development without reducing the hepatic triglyceride content. *Scientific Reports*, **2020**, 10, 7818	4.9	28
20	Downregulation of ERG and FLI1 expression in endothelial cells triggers endothelial-to-mesenchymal transition. *PLoS Genetics*, **2018**, 14, e1007826	6	28
19	The FBXL10/KDM2B scaffolding protein associates with novel polycomb repressive complex-1 to regulate adipogenesis. *Journal of Biological Chemistry*, **2015**, 290, 4163-77	5.4	27

18	KDM3A coordinates actin dynamics with intraflagellar transport to regulate cilia stability. *Journal of Cell Biology*, **2017**, 216, 999-1013	7.3	21
17	QRFP-Deficient Mice Are Hypophagic, Lean, Hypoactive and Exhibit Increased Anxiety-Like Behavior. *PLoS ONE*, **2016**, 11, e0164716	3.7	21
16	The H3K9 methyltransferase Setdb1 regulates TLR4-mediated inflammatory responses in macrophages. *Scientific Reports*, **2016**, 6, 28845	4.9	21
15	PPAR activation of CD300a controls intestinal immunity. *Scientific Reports*, **2014**, 4, 5412	4.9	18
14	Analysis of the subcellular localization of the human histone methyltransferase SETDB1. *Biochemical and Biophysical Research Communications*, **2015**, 465, 725-31	3.4	16
13	Gene Expression Profiles Induced by a Novel Selective Peroxisome Proliferator-Activated Receptor Modulator (SPPARM) Pemafibrate. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	14
12	Ubiquitination of Lysine 867 of the Human SETDB1 Protein Upregulates Its Histone H3 Lysine 9 (H3K9) Methyltransferase Activity. *PLoS ONE*, **2016**, 11, e0165766	3.7	14
11	Phosphoethanolamine Accumulation Protects Cancer Cells under Glutamine Starvation through Downregulation of PCYT2. *Cell Reports*, **2019**, 29, 89-103.e7	10.6	12
10	Overexpression of p54/NONO induces differential splicing and contributes to castration-resistant prostate cancer growth. *Oncotarget*, **2018**, 9, 10510-10524	3.3	12
9	PPAR activation directly upregulates thrombomodulin in the diabetic retina. *Scientific Reports*, **2020**, 10, 10837	4.9	11
8	Discovery of peroxisome proliferator-activated receptor (PPAR) activators with a ligand-screening system using a human PPAR expressing cell line. *Journal of Biological Chemistry*, **2018**, 293, 10333-10343	5.4	7
7	Development of a Ligand Screening Tool Using Full-Length Human Peroxisome Proliferator-Activated Receptor-Expressing Cell Lines to Ameliorate Metabolic Syndrome. *Chemical and Pharmaceutical Bulletin*, **2019**, 67, 199-202	1.9	5
6	Degradation of human Lipin-1 by BTRC E3 ubiquitin ligase. *Biochemical and Biophysical Research Communications*, **2017**, 488, 159-164	3.4	4
5	Metabolic flexibility via mitochondrial BCAA carrier SLC25A44 is required for optimal fever. *ELife*, **2021**, 10,	8.9	2
4	Ubiquitination-dependent and -independent repression of target genes by SETDB1 reveal a context-dependent role for its methyltransferase activity during adipogenesis. *Genes To Cells*, **2021** , 26, 513-529	2.3	2
3	Loss of Down syndrome critical region-1 leads to cholesterol metabolic dysfunction that exaggerates hypercholesterolemia in ApoE-null background. *Journal of Biological Chemistry*, **2021**, 296, 100697	5.4	1
2	Spatiotemporal dynamics of SETD5-containing NCoR-HDAC3 complex determines enhancer activation for adipogenesis. *Nature Communications*, **2021**, 12, 7045	17.4	0
1	ERAD components Derlin-1 and Derlin-2 are essential for postnatal brain development and motor function. *IScience*, **2021**, 24, 102758	6.1	0