

Juro Sakai

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,675
citations

279798

23
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

4557
citing authors

#	ARTICLE	IF	CITATIONS
1	Sterol-Regulated Release of SREBP-2 from Cell Membranes Requires Two Sequential Cleavages, One Within a Transmembrane Segment. <i>Cell</i> , 1996, 85, 1037-1046.	28.9	486
2	Transcriptional and epigenetic control of brown and beige adipose cell fate and function. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 480-495.	37.0	243
3	H3K4/H3K9me3 Bivalent Chromatin Domains Targeted by Lineage-Specific DNA Methylation Pauses Adipocyte Differentiation. <i>Molecular Cell</i> , 2015, 60, 584-596.	9.7	180
4	The Peroxisome Proliferator-Activated Receptor β /Retinoid X Receptor β Heterodimer Targets the Histone Modification Enzyme PR-Set7/Setd8 Gene and Regulates Adipogenesis through a Positive Feedback Loop. <i>Molecular and Cellular Biology</i> , 2009, 29, 3544-3555.	2.3	175
5	Obesity and metabolic syndrome in histone demethylase JHDM2a-deficient mice. <i>Genes To Cells</i> , 2009, 14, 991-1001.	1.2	167
6	COUP-TFII acts downstream of Wnt/ β -catenin signal to silence PPAR β gene expression and repress adipogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5819-5824.	7.1	158
7	Hairpin Orientation of Sterol Regulatory Element-binding Protein-2 in Cell Membranes as Determined by Protease Protection. <i>Journal of Biological Chemistry</i> , 1995, 270, 29422-29427.	3.4	136
8	Extracellular Acidic pH Activates the Sterol Regulatory Element-Binding Protein 2 to Promote Tumor Progression. <i>Cell Reports</i> , 2017, 18, 2228-2242.	6.4	129
9	Global Mapping of Cell Type-Specific Open Chromatin by FAIRE-seq Reveals the Regulatory Role of the NFI Family in Adipocyte Differentiation. <i>PLoS Genetics</i> , 2011, 7, e1002311.	3.5	103
10	Vitamin D Metabolite, 25-Hydroxyvitamin D, Regulates Lipid Metabolism by Inducing Degradation of SREBP/SCAP. <i>Cell Chemical Biology</i> , 2017, 24, 207-217.	5.2	96
11	JMJD1A is a signal-sensing scaffold that regulates acute chromatin dynamics via SWI/SNF association for thermogenesis. <i>Nature Communications</i> , 2015, 6, 7052.	12.8	87
12	The KDM3A-KLF2-IRF4 axis maintains myeloma cell survival. <i>Nature Communications</i> , 2016, 7, 10258.	12.8	87
13	Histone demethylase JMJD1A coordinates acute and chronic adaptation to cold stress via thermogenic phospho-switch. <i>Nature Communications</i> , 2018, 9, 1566.	12.8	68
14	Sterol-mediated Regulation of Human Lipin 1 Gene Expression in Hepatoblastoma Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 22195-22205.	3.4	66
15	Pemafibrate, a selective PPAR α modulator, prevents non-alcoholic steatohepatitis development without reducing the hepatic triglyceride content. <i>Scientific Reports</i> , 2020, 10, 7818.	3.3	60
16	Downregulation of ERG and FLI1 expression in endothelial cells triggers endothelial-to-mesenchymal transition. <i>PLoS Genetics</i> , 2018, 14, e1007826.	3.5	54
17	The H3K9 methyltransferase Setdb1 regulates TLR4-mediated inflammatory responses in macrophages. <i>Scientific Reports</i> , 2016, 6, 28845.	3.3	35
18	The FBXL10/KDM2B Scaffolding Protein Associates with Novel Polycomb Repressive Complex-1 to Regulate Adipogenesis. <i>Journal of Biological Chemistry</i> , 2015, 290, 4163-4177.	3.4	33

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19	KDM3A coordinates actin dynamics with intraflagellar transport to regulate cilia stability. <i>Journal of Cell Biology</i> , 2017, 216, 999-1013.	5.2	33
20	Phosphoethanolamine Accumulation Protects Cancer Cells under Glutamine Starvation through Downregulation of PCYT2. <i>Cell Reports</i> , 2019, 29, 89-103.e7.	6.4	29
21	QRFP-Deficient Mice Are Hypophagic, Lean, Hypoactive and Exhibit Increased Anxiety-Like Behavior. <i>PLoS ONE</i> , 2016, 11, e0164716.	2.5	28
22	Gene Expression Profiles Induced by a Novel Selective Peroxisome Proliferator-Activated Receptor α Modulator (SPPARM α) Pemafibrate. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5682.	4.1	26
23	PPAR α activation of CD300a controls intestinal immunity. <i>Scientific Reports</i> , 2014, 4, 5412.	3.3	24
24	Analysis of the subcellular localization of the human histone methyltransferase SETDB1. <i>Biochemical and Biophysical Research Communications</i> , 2015, 465, 725-731.	2.1	24
25	Ubiquitination of Lysine 867 of the Human SETDB1 Protein Upregulates Its Histone H3 Lysine 9 (H3K9) Methyltransferase Activity. <i>PLoS ONE</i> , 2016, 11, e0165766.	2.5	22
26	Overexpression of p54nrb/NONO induces differential <i>EPHA6</i> splicing and contributes to castration-resistant prostate cancer growth. <i>Oncotarget</i> , 2018, 9, 10510-10524.	1.8	22
27	PPAR α activation directly upregulates thrombomodulin in the diabetic retina. <i>Scientific Reports</i> , 2020, 10, 10837.	3.3	18
28	Metabolic flexibility via mitochondrial BCAA carrier SLC25A44 is required for optimal fever. <i>ELife</i> , 2021, 10, .	6.0	15
29	Selective PPAR α Modulator Pemafibrate and Sodium-Glucose Cotransporter 2 Inhibitor Tofogliflozin Combination Treatment Improved Histopathology in Experimental Mice Model of Non-Alcoholic Steatohepatitis. <i>Cells</i> , 2022, 11, 720.	4.1	13
30	Discovery of peroxisome proliferator-activated receptor α (PPAR α) activators with a ligand-screening system using a human PPAR α -expressing cell line. <i>Journal of Biological Chemistry</i> , 2018, 293, 10333-10343.	3.4	11
31	ERAD components Derlin-1 and Derlin-2 are essential for postnatal brain development and motor function. <i>Science</i> , 2021, 24, 102758.	4.1	11
32	Spatiotemporal dynamics of SETD5-containing NCoR-HDAC3 complex determines enhancer activation for adipogenesis. <i>Nature Communications</i> , 2021, 12, 7045.	12.8	10
33	Degradation of human Lipin-1 by BTRC E3 ubiquitin ligase. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 159-164.	2.1	6
34	Ubiquitination-dependent and -independent repression of target genes by SETDB1 reveal a context-dependent role for its methyltransferase activity during adipogenesis. <i>Genes To Cells</i> , 2021, 26, 513-529.	1.2	6
35	Development of a Ligand Screening Tool Using Full-Length Human Peroxisome Proliferator-Activated Receptor-Expressing Cell Lines to Ameliorate Metabolic Syndrome. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 199-202.	1.3	5
36	Epigenetic and environmental regulation of adipocyte function. <i>Journal of Biochemistry</i> , 2022, 172, 9-16.	1.7	3

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37	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.	3.4	2
38	Measurement of the nuclear concentration of α -ketoglutarate during adipocyte differentiation by using a fluorescence resonance energy transfer-based biosensor with nuclear localization signals. Endocrine Journal, 2021, 68, 1429-1438.	1.6	2