

Yoshihiro Matsumura

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,118
citations

279798

23
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

3076
citing authors

#	ARTICLE	IF	CITATIONS
1	Overt nephrogenic diabetes insipidus in mice lacking the CLC-K1 chloride channel. <i>Nature Genetics</i> , 1999, 21, 95-98.	21.4	250
2	Reduced histone deacetylase 7 activity restores function to misfolded CFTR in cystic fibrosis. <i>Nature Chemical Biology</i> , 2010, 6, 25-33.	8.0	237
3	ABCA3 as a Lipid Transporter in Pulmonary Surfactant Biogenesis. <i>Journal of Biological Chemistry</i> , 2007, 282, 9628-9634.	3.4	193
4	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
5	Characterization and Classification of ATP-binding Cassette Transporter ABCA3 Mutants in Fatal Surfactant Deficiency. <i>Journal of Biological Chemistry</i> , 2006, 281, 34503-34514.	3.4	109
6	Inhibition of Geranylgeranyl Diphosphate Synthase by Bisphosphonates and Diphosphates: A Potential Route to New Bone Antiresorption and Antiparasitic Agents. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 2185-2196.	6.4	89
7	Stepwise Insertion and Inversion of a Type II Signal Anchor Sequence in the Ribosome-Sec61 Translocon Complex. <i>Cell</i> , 2011, 146, 134-147.	28.9	89
8	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
9	Transcriptome Analysis of K-877 (a Novel Selective PPAR α Modulator (SPPARM α))-Regulated Genes in Primary Human Hepatocytes and the Mouse Liver. <i>Journal of Atherosclerosis and Thrombosis</i> , 2015, 22, 754-772.	2.0	81
10	Aberrant catalytic cycle and impaired lipid transport into intracellular vesicles in ABCA3 mutants associated with nonfatal pediatric interstitial lung disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L698-L707.	2.9	69
11	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
12	ABCA3-mediated choline-phospholipids uptake into intracellular vesicles in A549 cells. <i>FEBS Letters</i> , 2007, 581, 3139-3144.	2.8	62
13	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
14	Sequence-specific Retention and Regulated Integration of a Nascent Membrane Protein by the Endoplasmic Reticulum Sec61 Translocon. <i>Molecular Biology of the Cell</i> , 2009, 20, 685-698.	2.1	56
15	ABCA2 Deficiency Results in Abnormal Sphingolipid Metabolism in Mouse Brain. <i>Journal of Biological Chemistry</i> , 2007, 282, 19692-19699.	3.4	55
16	Endoplasmic Reticulum Protein Quality Control Is Determined by Cooperative Interactions between Hsp/c70 Protein and the CHIP E3 Ligase. <i>Journal of Biological Chemistry</i> , 2013, 288, 31069-31079.	3.4	55
17	Downregulation of ERG and FLI1 expression in endothelial cells triggers endothelial-to-mesenchymal transition. <i>PLoS Genetics</i> , 2018, 14, e1007826.	3.5	54
18	Role of Hsc70 binding cycle in CFTR folding and endoplasmic reticulum-associated degradation. <i>Molecular Biology of the Cell</i> , 2011, 22, 2797-2809.	2.1	36

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19	The H3K9 methyltransferase Setdb1 regulates TLR4-mediated inflammatory responses in macrophages. <i>Scientific Reports</i> , 2016, 6, 28845.	3.3	35
20	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
21	Phosphoethanolamine Accumulation Protects Cancer Cells under Glutamine Starvation through Downregulation of PCYT2. <i>Cell Reports</i> , 2019, 29, 89-103.e7.	6.4	29
22	Heterozygous ABCA3 mutation associated with non-fatal evolution of respiratory distress. <i>European Journal of Pediatrics</i> , 2008, 167, 691-693.	2.7	27
23	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
24	Overexpression of p53/NONO induces differential EPHA6 splicing and contributes to castration-resistant prostate cancer growth. <i>Oncotarget</i> , 2018, 9, 10510-10524.	1.8	22
25	Human Geranylgeranyl Diphosphate Synthase is an Octamer in Solution. <i>Journal of Biochemistry</i> , 2007, 142, 377-381.	1.7	19
26	PPAR α activation directly upregulates thrombomodulin in the diabetic retina. <i>Scientific Reports</i> , 2020, 10, 10837.	3.3	18
27	Identification and characterization of a novel ABCA3 mutation. <i>Physiological Genomics</i> , 2010, 40, 94-99.	2.3	17
28	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
29	In Vitro Methods for CFTR Biogenesis. <i>Methods in Molecular Biology</i> , 2011, 741, 233-253.	0.9	11
30	Spatiotemporal dynamics of SETD5-containing NCoR-HDAC3 complex determines enhancer activation for adipogenesis. <i>Nature Communications</i> , 2021, 12, 7045.	12.8	10
31	Glutamine deficiency in solid tumor cells confers resistance to ribosomal RNA synthesis inhibitors. <i>Nature Communications</i> , 2022, 13, .	12.8	10
32	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
33	Formation of lipid droplets induced by 2,3-dihydrogeranylgeranoic acid distinct from geranylgeranoic acid. <i>Acta Biochimica Polonica</i> , 2007, 54, 777-782.	0.5	5
34	Epigenetic and environmental regulation of adipocyte function. <i>Journal of Biochemistry</i> , 2022, 172, 9-16.	1.7	3
35	Relationship between Intron 4b Splicing of the Rat Geranylgeranyl Diphosphate Synthase Gene and the Active Enzyme Expression Level. <i>Journal of Biochemistry</i> , 2004, 136, 301-312.	1.7	2
36	The Carboxyl-terminal Region of the Geranylgeranyl Diphosphate Synthase is Indispensable for the Stabilization of the Region Involved in Substrate Binding and Catalysis. <i>Journal of Biochemistry</i> , 2007, 142, 533-537.	1.7	1

#	ARTICLE	IF	CITATIONS
37	Abca3. The AFCS-nature Molecule Pages, 0, , .	0.2	0