Tsuneo Imanaka

List of Publications by Year
in descending order

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70	1,551	331670	302126
papers	citations	21 h-index	39 g-index

72	72	72	1370
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proteomic Analysis of Rat Liver Peroxisome. Journal of Biological Chemistry, 2004, 279, 421-428.	3.4	243
2	Peroxisomal ABC transporters: Structure, function and role in disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1387-1396.	3.8	142
3	Insertion of the 70-kDa Peroxisomal Membrane Protein into Peroxisomal Membranes in Vivo and in Vitro. Journal of Biological Chemistry, 1996, 271, 3706-3713.	3.4	118
4	Characterization of the 70-kDa Peroxisomal Membrane Protein, an ATP Binding Cassette Transporter. Journal of Biological Chemistry, 1999, 274, 11968-11976.	3.4	82
5	Domain Architecture and Activity of Human Pex19p, a Chaperone-like Protein for Intracellular Trafficking of Peroxisomal Membrane Proteins. Journal of Biological Chemistry, 2004, 279, 38486-38494.	3.4	69
6	Insulin-Degrading Enzyme Exists Inside of Rat Liver Peroxisomes and Degrades Oxidized Proteins.. Cell Structure and Function, 2000, 25, 309-315.	1.1	65
7	70-kDa peroxisomal membrane protein related protein (P70R/ABCD4) localizes to endoplasmic reticulum not peroxisomes, and NH2-terminal hydrophobic property determines the subcellular localization of ABC subfamily D proteins. Experimental Cell Research, 2009, 315, 190-205.	2.6	63
8	ATP Binding/Hydrolysis by and Phosphorylation of Peroxisomal ATP-binding Cassette Proteins PMP70 (ABCD3) and Adrenoleukodystrophy Protein (ABCD1). Journal of Biological Chemistry, 2002, 277, 40142-40147.	3.4	62
9	Newly Identified Chinese Hamster Ovary Cell Mutants Are Defective in Biogenesis of Peroxisomal Membrane Vesicles (Peroxisomal Ghosts), Representing a Novel Complementation Group in Mammals. Journal of Biological Chemistry, 1998, 273, 24122-24130.	3.4	56
10	Structural basis for docking of peroxisomal membrane protein carrier Pex19p onto its receptor Pex3p. EMBO Journal, 2010, 29, 4083-4093.	7.8	54
11	Role of Pex19p in the targeting of PMP70 to peroxisome. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1746, 116-128.	4.1	47
12	Peroxisomal Membrane Protein Pmp47 Is Essential in the Metabolism of Middle-chain Fatty Acid in Yeast Peroxisomes and Is Associated with Peroxisome Proliferation. Journal of Biological Chemistry, 2000, 275, 3455-3461.	3.4	44
13	Translocation of the ABC transporter ABCD4 from the endoplasmic reticulum to lysosomes requires the escort protein LMBD1. Scientific Reports, 2016, 6, 30183.	3.3	43
14	Spatial and temporal pattern of smooth muscle cell differentiation during development of the vascular system in the mouse embryo. Anatomy and Embryology, 1996, 194, 515-26.	1.5	33
15	Characterization of human ATP-binding cassette protein subfamily D reconstituted into proteoliposomes. Biochemical and Biophysical Research Communications, 2018, 496, 1122-1127.	2.1	31
16	Nucleotide-Induced Conformational Changes of PMP70, an ATP Binding Cassette Transporter on Rat Liver Peroxisomal Membranes. Biochemical and Biophysical Research Communications, 2002, 291, 1245-1251.	2.1	25
17	Characterization of the Interaction between Recombinant Human Peroxin Pex3p and Pex19p. Journal of Biological Chemistry, 2008, 283, 6136-6144.	3.4	25
18	Baicalein 5,6,7-trimethyl ether, a flavonoid derivative, stimulates fatty acid Î²-oxidation in skin fibroblasts of X-linked adrenoleukodystrophy. FEBS Letters, 2005, 579, 409-414.	2.8	23

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19	Hydrophobic Regions Adjacent to Transmembrane Domains 1 and 5 Are Important for the Targeting of the 70-kDa Peroxisomal Membrane Protein. Journal of Biological Chemistry, 2007, 282, 33831-33844.	3.4	22
20	LYSOSOMAL ACID CHOLESTERYL ESTERASE AND ATHEROSCLEROSIS IN CHOLESTEROL-FED RABBITS. Acta Histochemica Et Cytochemica, 1978, 11, 323-336.	1.6	21
21	A novel 57 kDa peroxisomal membrane polypeptide detected by monoclonal antibody (PXM1a/207B). Biochimica Et Biophysica Acta - Biomembranes, 1991, 1062, 264-270.	2.6	21
22	Purification and properties of rabbit liver acid lipase (4-methylumbelliferyl oleate hydrolase). Lipids and Lipid Metabolism, 1981, 665, 322-330.	2.6	19
23	Very Long Chain Fatty Acid Î²-Oxidation in Astrocytes: Contribution of the ABCD1-Dependent and -Independent Pathways. Biological and Pharmaceutical Bulletin, 2012, 35, 1972-1979.	1.4	19
24	Profiling and Imaging of Phospholipids in Brains of Abcd1â€Deficient Mice. Lipids, 2018, 53, 85-102.	1.7	19
25	JTT-553, a novel Acyl CoA:diacylglycerol acyltransferase (DGAT) 1 inhibitor, improves glucose metabolism in diet-induced obesity and genetic T2DM mice. Journal of Pharmacological Sciences, 2015, 129, 51-58.	2.5	18
26	Spatial pattern of smooth muscle differentiation is specified by the epithelium in the stomach of mouse embryo. , 1998, 212, 448-460.		15
27	Multiple organelle-targeting signals in the N-terminal portion of peroxisomal membrane protein PMP70. Journal of Biochemistry, 2010, 147, 581-590.	1.7	15
28	The lysosomal protein ABCD4 can transport vitamin B12 across liposomal membranes inÂvitro. Journal of Biological Chemistry, 2021, 296, 100654.	3.4	15
29	Positional Specificity of Lysosomal Acid Lipase Purified from Rabbit Liver1. Journal of Biochemistry, 1985, 98, 927-931.	1.7	14
30	A Novel Double Mutation in the ABCD1 Gene in a Patient with X-linked Adrenoleukodystrophy: Analysis of the Stability and Function of the Mutant ABCD1 Protein. JIMD Reports, 2012, 10, 95-102.	1.5	12
31	Role of NH2-terminal hydrophobic motif in the subcellular localization of ATP-binding cassette protein subfamily D: Common features in eukaryotic organisms. Biochemical and Biophysical Research Communications, 2014, 453, 612-618.	2.1	12
32	Biogenesis and Function of Peroxisomes in Human Disease with a Focus on the ABC Transporter. Biological and Pharmaceutical Bulletin, 2019, 42, 649-665.	1.4	12
33	Identification of a Substrate-binding Site in a Peroxisomal Î²-Oxidation Enzyme by Photoaffinity Labeling with a Novel Palmitoyl Derivative. Journal of Biological Chemistry, 2010, 285, 26315-26325.	3.4	11
34	Purification of acid lipase from rabbit liver. FEBS Letters, 1982, 137, 115-118.	2.8	8
35	Cinemicrophotographic observation of aortic foam cells containing anisotropic lipid inclusions.. Acta Histochemica Et Cytochemica, 1984, 17, 421-426.	1.6	8
36	Brain microsomal fatty acid elongation is increased in abcd1-deficient mouse during active myelination phase. Metabolic Brain Disease, 2015, 30, 1359-1367.	2.9	7

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37	Characterization of the interaction between Trypanosoma brucei Pex5p and its receptor Pex14p. FEBS Letters, 2016, 590, 242-250.	2.8	7
38	Characterization of Vitronectins in Atherosclerotic Lesions. Journal of Atherosclerosis and Thrombosis, 1996, 3, 25-31.	2.0	7
39	Generation of an immortalized astrocytic cell line from Abcd1-deficient H-2KbtsA58 mice to facilitate the study of the role of astrocytes in X-linked adrenoleukodystrophy. Heliyon, 2021, 7, e06228.	3.2	6
40	Characterization of Two Chinese Hamster Ovary Cell Lines Expressing the COOH-terminal Domains of Sterol Regulatory Element-binding Protein (SREBP)-1.. Cell Structure and Function, 1998, 23, 187-192.	1.1	4
41	An HTRF based high-throughput screening for discovering chemical compounds that inhibit the interaction between Trypanosoma brucei Pex5p and Pex14p. Biochemistry and Biophysics Reports, 2016, 6, 260-265.	1.3	4
42	Stability of the ABCD1 Protein with a Missense Mutation: A Novel Approach to Finding Therapeutic Compounds for X-Linked Adrenoleukodystrophy. JIMD Reports, 2018, 44, 23-31.	1.5	4
43	Accumulation of Vitronectin in Atherosclerotic Lesions where Lipids Deposited. Journal of Atherosclerosis and Thrombosis, 1994, 1, S50-S54.	2.0	4
44	Monoclonal Antibody EMR1a/212D Recognizing the Extracellular Matrix in Atherosclerosis.. Annals of the New York Academy of Sciences, 1990, 598, 517-519.	3.8	3
45	Sorting of the 70-kDa Peroxisomal Membrane Protein into Rat Liver Peroxisomes in Vitro. Annals of the New York Academy of Sciences, 1996, 804, 663-665.	3.8	3
46	Effect of Lorenzoâ€™s Oil on Hepatic Gene Expression and the Serum Fatty Acid Level in abcd1-Deficient Mice. JIMD Reports, 2017, 38, 67-74.	1.5	3
47	A novel method for determining peroxisomal fatty acid Î²â€oxidation. Journal of Inherited Metabolic Disease, 2016, 39, 725-731.	3.6	2
48	A New Anti-oxidized LDL Monoclonal Antibody that Recognizes Foam Cells. The Journal of Japan Atherosclerosis Society, 1994, 22, 275-280.	0.0	1
49	Involvement of von Willebrand Factor and PGI2 in Platelet Binding to a Partially Denuded Endothelial Monolayer. Journal of Atherosclerosis and Thrombosis, 1995, 2, 37-40.	2.0	1
50	The Function of the Peroxisome. , 2019, , 59-104.		1
51	Transcellular Transport of Angiotensin II through Arterial Endothelial Cells in Monolayer Culture. Annals of the New York Academy of Sciences, 1990, 598, 546-547.	3.8	0
52	Peroxisomal ABC Proteins and Fatty Acid Metabolism.. Membrane, 2003, 28, 263-270.	0.0	0
53	Subcellular Distribution of MU-Oleate Hydrolase (Acid Cholesteryl Esterase) in Rat Liver. The Journal of Japan Atherosclerosis Society, 1978, 6, 157-161.	0.0	0
54	Purification and Properties of MU-Oleate Hydrolase (Acid Cholesteryl Esterase) from Rabbit Liver. The Journal of Japan Atherosclerosis Society, 1978, 6, 163-167.	0.0	0

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55	Properties of Lysosomes in Atherosclerotic Lesions of Human Aorta. The Journal of Japan Atherosclerosis Society, 1980, 8, 321-327.	0.0	0
56	Lipid Composition of Light Lysosomal Membranes in Atherosclerotic Aorta. The Journal of Japan Atherosclerosis Society, 1981, 9, 49-52.	0.0	0
57	Fatty Acid Composition of Phospholipids of Lysosomal Membranes from Rabbit Atheromatous Aorta. The Journal of Japan Atherosclerosis Society, 1982, 10, 725-729.	0.0	0
58	Purification and Properties of Lysosomal Cholesterol Esterase from Rabbit Liver. The Journal of Japan Atherosclerosis Society, 1982, 10, 747-750.	0.0	0
59	Accumulation of Cholesterol Ester in Cultured Smooth Muscle Cells Treated with Esterastin (Inhibitor of Lysosomal Cholesterol Esterase). The Journal of Japan Atherosclerosis Society, 1984, 12, 615-618.	0.0	0
60	The Effect of Phosphatidylcholine Liposomes on the Activity of Acid Lipase. The Journal of Japan Atherosclerosis Society, 1985, 13, 163-165.	0.0	0
61	Electron Microscopic Observation of Lipid Droplets in Foam Cells of WHHL Rabbit Atheromatous Aorta. The Journal of Japan Atherosclerosis Society, 1985, 12, 1525-1527.	0.0	0
62	Effect of Phospholipids on the Hydrolysis of Cholesterol Oleate Liquid Crystals by Lysosomal Acid Lipase. The Journal of Japan Atherosclerosis Society, 1986, 14, 443-445.	0.0	0
63	Involvement of Lysosomal Phospholipid and its Polyunsaturated Fatty Acid in Accumulation of Cholesterol Ester in Atherosclerosis. The Journal of Japan Atherosclerosis Society, 1987, 15, 37-41.	0.0	0
64	Mechanism of Lipid Accumulation in Arterial Walls. The Journal of Japan Atherosclerosis Society, 1994, 21, 633-637.	0.0	0
65	Lysosomal Acid Lipase (Acid Cholesterol Ester Hydrolase). The Journal of Japan Atherosclerosis Society, 1996, 23, 479-483.	0.0	0
66	Monoclonal Antibodies Recognizing Atherosclerotic Lesions. The Journal of Japan Atherosclerosis Society, 1996, 23, 351-355.	0.0	0
67	Function of Peroxisome in Mammal and Analysis of the Fatty Acid Oxidation System by Photoaffinity Labeling. , 2017, , 197-223.		0
68	The History of Peroxisomal Research. , 2019, , 3-13.		0
69	The Isolation of Peroxisomes. , 2019, , 203-219.		0
70	Peroxisome Biogenesis. , 2019, , 15-42.		0