

# Tsuneo Imanaka

## List of Publications by Year in descending order

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70  
papers

1,551  
citations

331670

21  
h-index

302126

39  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1370  
citing authors

#	ARTICLE	IF	CITATIONS
1	The lysosomal protein ABCD4 can transport vitamin B12 across liposomal membranes in vitro. Journal of Biological Chemistry, 2021, 296, 100654.	3.4	15
2	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
3	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
4	The History of Peroxisomal Research. , 2019, , 3-13.		0
5	The Isolation of Peroxisomes. , 2019, , 203-219.		0
6	Peroxisome Biogenesis. , 2019, , 15-42.		0
7	The Function of the Peroxisome. , 2019, , 59-104.		1
8	Profiling and Imaging of Phospholipids in Brains of <i>Abcd1</i> -Deficient Mice. Lipids, 2018, 53, 85-102.	1.7	19
9	Characterization of human ATP-binding cassette protein subfamily D reconstituted into proteoliposomes. Biochemical and Biophysical Research Communications, 2018, 496, 1122-1127.	2.1	31
10	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
11	Effect of Lorenzo's Oil on Hepatic Gene Expression and the Serum Fatty Acid Level in <i>abcd1</i> -Deficient Mice. JIMD Reports, 2017, 38, 67-74.	1.5	3
12	Function of Peroxisome in Mammal and Analysis of the Fatty Acid Oxidation System by Photoaffinity Labeling. , 2017, , 197-223.		0
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	An HTRF based high-throughput screening for discovering chemical compounds that inhibit the interaction between <i>Trypanosoma brucei</i> Pex5p and Pex14p. Biochemistry and Biophysics Reports, 2016, 6, 260-265.	1.3	4
15	Characterization of the interaction between <i>Trypanosoma brucei</i> Pex5p and its receptor Pex14p. FEBS Letters, 2016, 590, 242-250.	2.8	7
16	A novel method for determining peroxisomal fatty acid $\beta$ -oxidation. Journal of Inherited Metabolic Disease, 2016, 39, 725-731.	3.6	2
17	Brain microsomal fatty acid elongation is increased in <i>abcd1</i> -deficient mouse during active myelination phase. Metabolic Brain Disease, 2015, 30, 1359-1367.	2.9	7
18	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

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19	Role of NH <sub>2</sub> -terminal hydrophobic motif in the subcellular localization of ATP-binding cassette protein subfamily D: Common features in eukaryotic organisms. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 612-618.	2.1	12
20	Very Long Chain Fatty Acid $\beta$ -Oxidation in Astrocytes: Contribution of the ABCD1-Dependent and -Independent Pathways. <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 1972-1979.	1.4	19
21	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. <i>JIMD Reports</i> , 2012, 10, 95-102.	1.5	12
22	Peroxisomal ABC transporters: Structure, function and role in disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1387-1396.	3.8	142
23	Structural basis for docking of peroxisomal membrane protein carrier Pex19p onto its receptor Pex3p. <i>EMBO Journal</i> , 2010, 29, 4083-4093.	7.8	54
24	Multiple organelle-targeting signals in the N-terminal portion of peroxisomal membrane protein PMP70. <i>Journal of Biochemistry</i> , 2010, 147, 581-590.	1.7	15
25	Identification of a Substrate-binding Site in a Peroxisomal $\beta$ -Oxidation Enzyme by Photoaffinity Labeling with a Novel Palmitoyl Derivative. <i>Journal of Biological Chemistry</i> , 2010, 285, 26315-26325.	3.4	11
26	70-kDa peroxisomal membrane protein related protein (P70R/ABCD4) localizes to endoplasmic reticulum not peroxisomes, and NH <sub>2</sub> -terminal hydrophobic property determines the subcellular localization of ABC subfamily D proteins. <i>Experimental Cell Research</i> , 2009, 315, 190-205.	2.6	63
27	Characterization of the Interaction between Recombinant Human Peroxin Pex3p and Pex19p. <i>Journal of Biological Chemistry</i> , 2008, 283, 6136-6144.	3.4	25
28	Hydrophobic Regions Adjacent to Transmembrane Domains 1 and 5 Are Important for the Targeting of the 70-kDa Peroxisomal Membrane Protein. <i>Journal of Biological Chemistry</i> , 2007, 282, 33831-33844.	3.4	22
29	Role of Pex19p in the targeting of PMP70 to peroxisome. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1746, 116-128.	4.1	47
30	Baicalein 5,6,7-trimethyl ether, a flavonoid derivative, stimulates fatty acid $\beta$ -oxidation in skin fibroblasts of X-linked adrenoleukodystrophy. <i>FEBS Letters</i> , 2005, 579, 409-414.	2.8	23
31	Proteomic Analysis of Rat Liver Peroxisome. <i>Journal of Biological Chemistry</i> , 2004, 279, 421-428.	3.4	243
32	Domain Architecture and Activity of Human Pex19p, a Chaperone-like Protein for Intracellular Trafficking of Peroxisomal Membrane Proteins. <i>Journal of Biological Chemistry</i> , 2004, 279, 38486-38494.	3.4	69
33	Peroxisomal ABC Proteins and Fatty Acid Metabolism.. <i>Membrane</i> , 2003, 28, 263-270.	0.0	0
34	ATP Binding/Hydrolysis by and Phosphorylation of Peroxisomal ATP-binding Cassette Proteins PMP70 (ABCD3) and Adrenoleukodystrophy Protein (ABCD1). <i>Journal of Biological Chemistry</i> , 2002, 277, 40142-40147.	3.4	62
35	Nucleotide-Induced Conformational Changes of PMP70, an ATP Binding Cassette Transporter on Rat Liver Peroxisomal Membranes. <i>Biochemical and Biophysical Research Communications</i> , 2002, 291, 1245-1251.	2.1	25
36	Insulin-Degrading Enzyme Exists Inside of Rat Liver Peroxisomes and Degrades Oxidized Proteins.. <i>Cell Structure and Function</i> , 2000, 25, 309-315.	1.1	65

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37	Peroxisomal Membrane Protein Pmp47 Is Essential in the Metabolism of Middle-chain Fatty Acid in Yeast Peroxisomes and Is Associated with Peroxisome Proliferation. <i>Journal of Biological Chemistry</i> , 2000, 275, 3455-3461.	3.4	44
38	Characterization of the 70-kDa Peroxisomal Membrane Protein, an ATP Binding Cassette Transporter. <i>Journal of Biological Chemistry</i> , 1999, 274, 11968-11976.	3.4	82
39	Spatial pattern of smooth muscle differentiation is specified by the epithelium in the stomach of mouse embryo. , 1998, 212, 448-460.		15
40	Newly Identified Chinese Hamster Ovary Cell Mutants Are Defective in Biogenesis of Peroxisomal Membrane Vesicles (Peroxisomal Ghosts), Representing a Novel Complementation Group in Mammals. <i>Journal of Biological Chemistry</i> , 1998, 273, 24122-24130.	3.4	56
41	Characterization of Two Chinese Hamster Ovary Cell Lines Expressing the COOH-terminal Domains of Sterol Regulatory Element-binding Protein (SREBP)-1.. <i>Cell Structure and Function</i> , 1998, 23, 187-192.	1.1	4
42	Spatial and temporal pattern of smooth muscle cell differentiation during development of the vascular system in the mouse embryo. <i>Anatomy and Embryology</i> , 1996, 194, 515-26.	1.5	33
43	Sorting of the 70-kDa Peroxisomal Membrane Protein into Rat Liver Peroxisomes in Vitro. <i>Annals of the New York Academy of Sciences</i> , 1996, 804, 663-665.	3.8	3
44	Insertion of the 70-kDa Peroxisomal Membrane Protein into Peroxisomal Membranes in Vivo and in Vitro. <i>Journal of Biological Chemistry</i> , 1996, 271, 3706-3713.	3.4	118
45	Characterization of Vitronectins in Atherosclerotic Lesions. <i>Journal of Atherosclerosis and Thrombosis</i> , 1996, 3, 25-31.	2.0	7
46	Lysosomal Acid Lipase (Acid Cholesterol Ester Hydrolase). <i>The Journal of Japan Atherosclerosis Society</i> , 1996, 23, 479-483.	0.0	0
47	Monoclonal Antibodies Recognizing Atherosclerotic Lesions. <i>The Journal of Japan Atherosclerosis Society</i> , 1996, 23, 351-355.	0.0	0
48	Involvement of von Willebrand Factor and PGI2 in Platelet Binding to a Partially Denuded Endothelial Monolayer. <i>Journal of Atherosclerosis and Thrombosis</i> , 1995, 2, 37-40.	2.0	1
49	A New Anti-oxidized LDL Monoclonal Antibody that Recognizes Foam Cells. <i>The Journal of Japan Atherosclerosis Society</i> , 1994, 22, 275-280.	0.0	1
50	Accumulation of Vitronectin in Atherosclerotic Lesions where Lipids Deposited. <i>Journal of Atherosclerosis and Thrombosis</i> , 1994, 1, S50-S54.	2.0	4
51	Mechanism of Lipid Accumulation in Arterial Walls. <i>The Journal of Japan Atherosclerosis Society</i> , 1994, 21, 633-637.	0.0	0
52	A novel 57 kDa peroxisomal membrane polypeptide detected by monoclonal antibody (PXM1a/207B). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1991, 1062, 264-270.	2.6	21
53	Monoclonal Antibody EMR1a/212D Recognizing the Extracellular Matrix in Atherosclerosis.. <i>Annals of the New York Academy of Sciences</i> , 1990, 598, 517-519.	3.8	3
54	Transcellular Transport of Angiotensin II through Arterial Endothelial Cells in Monolayer Culture. <i>Annals of the New York Academy of Sciences</i> , 1990, 598, 546-547.	3.8	0

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55	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
56	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
57	Positional Specificity of Lysosomal Acid Lipase Purified from Rabbit Liver1. Journal of Biochemistry, 1985, 98, 927-931.	1.7	14
58	The Effect of Phosphatidylcholine Liposomes on the Activity of Acid Lipase. The Journal of Japan Atherosclerosis Society, 1985, 13, 163-165.	0.0	0
59	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
60	Cinemicrophotographic observation of aortic foam cells containing anisotropic lipid inclusions.. Acta Histochemica Et Cytochemica, 1984, 17, 421-426.	1.6	8
61	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
62	Purification of acid lipase from rabbit liver. FEBS Letters, 1982, 137, 115-118.	2.8	8
63	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
64	Purification and Properties of Lysosomal Cholesterol Esterase from Rabbit Liver. The Journal of Japan Atherosclerosis Society, 1982, 10, 747-750.	0.0	0
65	Purification and properties of rabbit liver acid lipase (4-methylumbelliferyl oleate hydrolase). Lipids and Lipid Metabolism, 1981, 665, 322-330.	2.6	19
66	Lipid Composition of Light Lysosomal Membranes in Atherosclerotic Aorta. The Journal of Japan Atherosclerosis Society, 1981, 9, 49-52.	0.0	0
67	Properties of Lysosomes in Atherosclerotic Lesions of Human Aorta. The Journal of Japan Atherosclerosis Society, 1980, 8, 321-327.	0.0	0
68	LYSOSOMAL ACID CHOLESTERYL ESTERASE AND ATHEROSCLEROSIS IN CHOLESTEROL-FED RABBITS. Acta Histochemica Et Cytochemica, 1978, 11, 323-336.	1.6	21
69	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
70	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