Masanori Honsho

List of Publications by Year
in descending order

53 papers	3,976 citations	172457 29 h-index	223800 46 g-index
55 all docs	55 docs citations	55 times ranked	5748 citing authors

#	Article	IF	Citations
1	Alzheimer's disease Î²-amyloid peptides are released in association with exosomes. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11172-11177.	7.1	1,133
2	Resistance of cell membranes to different detergents. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5795-5800.	7.1	598
3	The Mammalian Peroxin Pex5pL, the Longer Isoform of the Mobile Peroxisome Targeting Signal (PTS) Type 1 Transporter, Translocates the Pex7pÂ·PTS2 Protein Complex into Peroxisomes via Its Initial Docking Site, Pex14p. Journal of Biological Chemistry, 2000, 275, 21703-21714.	3.4	191
4	Flotillin-Dependent Clustering of the Amyloid Precursor Protein Regulates Its Endocytosis and Amyloidogenic Processing in Neurons. Journal of Neuroscience, 2008, 28, 2874-2882.	3.6	180
5	Mutation in PEX16 Is Causal in the Peroxisome-Deficient Zellweger Syndrome of Complementation Group D. American Journal of Human Genetics, 1998, 63, 1622-1630.	6.2	156
6	Peroxisome biogenesis in mammalian cells. Frontiers in Physiology, 2014, 5, 307.	2.8	114
7	Posttranslational Regulation of Fatty Acyl-CoA Reductase 1, Far1, Controls Ether Glycerophospholipid Synthesis. Journal of Biological Chemistry, 2010, 285, 8537-8542.	3.4	103
8	Charged Amino Acids at the Carboxyl-Terminal Portions Determine the Intracellular Locations of Two Isoforms of Cytochromeb 5. Journal of Biological Chemistry, 1998, 273, 31097-31102.	3.4	100
9	Generation of single and double knockdowns in polarized epithelial cells by retrovirus-mediated RNA interference. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4912-4917.	7.1	91
10	Plasmalogen homeostasis â€“ regulation of plasmalogen biosynthesis and its physiological consequence in mammals. FEBS Letters, 2017, 591, 2720-2729.	2.8	83
11	The Membrane Biogenesis Peroxin Pex16p. Journal of Biological Chemistry, 2002, 277, 44513-44524.	3.4	74
12	PEX3 Is the Causal Gene Responsible for Peroxisome Membrane Assemblyâ€“Defective Zellweger Syndrome of Complementation Group G. American Journal of Human Genetics, 2000, 67, 976-981.	6.2	69
13	Isolation and characterization of mutant animal cell line defective in alkyl-dihydroxyacetonephosphate synthase: Localization and transport of plasmalogens to post-Golgi compartments. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 1857-1865.	4.1	65
14	Mff functions with Pex11pÎ² and DLP1 in peroxisomal fission. Biology Open, 2013, 2, 998-1006.	1.2	63
15	Involvement of caveolin-2 in caveolar biogenesis in MDCK cells. FEBS Letters, 2003, 538, 85-88.	2.8	62
16	Topogenesis and Homeostasis of Fatty Acyl-CoA Reductase 1. Journal of Biological Chemistry, 2013, 288, 34588-34598.	3.4	59
17	Peroxisome homeostasis: Mechanisms of division and selective degradation of peroxisomes in mammals. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 984-991.	4.1	57
18	Topogenesis of Peroxisomal Membrane Protein Requires a Short, Positively Charged Intervening-loop Sequence and Flanking Hydrophobic Segments. Journal of Biological Chemistry, 2001, 276, 9375-9382.	3.4	56

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19	Retention of Cytochrome b5 in the Endoplasmic Reticulum Is Transmembrane and Luminal Domain-dependent. Journal of Biological Chemistry, 1998, 273, 20860-20866.	3.4	52
20	Docosahexaenoic acid mediates peroxisomal elongation, a prerequisite for peroxisome division. Journal of Cell Science, 2012, 125, 589-602.	2.0	51
21	Dysregulation of Plasmalogen Homeostasis Impairs Cholesterol Biosynthesis. Journal of Biological Chemistry, 2015, 290, 28822-28833.	3.4	49
22	Systematic Identification of Regulators of Oxidative Stress Reveals Non-canonical Roles for Peroxisomal Import and the Pentose Phosphate Pathway. Cell Reports, 2020, 30, 1417-1433.e7.	6.4	49
23	Very-long-chain polyunsaturated fatty acids accumulate in phosphatidylcholine of fibroblasts from patients with Zellweger syndrome and acyl-CoA oxidase1 deficiency. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 610-619.	2.4	46
24	Dual Subcellular Distribution of Cytochrome b5 in Plant, Cauliflower, Cells. Journal of Biochemistry, 2003, 133, 115-121.	1.7	43
25	Plasmalogen biosynthesis is spatiotemporally regulated by sensing plasmalogens in the inner leaflet of plasma membranes. Scientific Reports, 2017, 7, 43936.	3.3	43
26	Reduction of Ether-Type Glycerophospholipids, Plasmalogens, by NF-Î¹B Signal Leading to Microglial Activation. Journal of Neuroscience, 2017, 37, 4074-4092.	3.6	41
27	Recent insights into peroxisome biogenesis and associated diseases. Journal of Cell Science, 2020, 133, .	2.0	41
28	Pex11mediates peroxisomal proliferation by promoting deformation of the lipid membrane. Biology Open, 2015, 4, 710-721.	1.2	40
29	Peroxisome: Metabolic Functions and Biogenesis. Advances in Experimental Medicine and Biology, 2020, 1299, 3-17.	1.6	33
30	In Situ Topology of Cytochrome b5 in the Endoplasmic Reticulum Membrane. Journal of Biochemistry, 1996, 120, 828-833.	1.7	30
31	Onsite GTP fuelling via DYNAMO1 drives division of mitochondria and peroxisomes. Nature Communications, 2018, 9, 4634.	12.8	29
32	Peroxisome biogenesis deficiency attenuates the BDNF-TrkB pathway-mediated development of the cerebellum. Life Science Alliance, 2018, 1, e201800062.	2.8	19
33	Mitotic phosphorylation of Pex14p regulates peroxisomal import machinery. Journal of Cell Biology, 2020, 219, .	5.2	18
34	Peroxisome Biogenesis Disorders. Advances in Experimental Medicine and Biology, 2020, 1299, 45-54.	1.6	17
35	Distinct Functions of Acyl/Alkyl Dihydroxyacetonephosphate Reductase in Peroxisomes and Endoplasmic Reticulum. Frontiers in Cell and Developmental Biology, 2020, 8, 855.	3.7	16
36	An alternative membrane topology permits lipid droplet localization of peroxisomal fatty acyl-CoA reductase 1. Journal of Cell Science, 2019, 132, .	2.0	15

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37	Impaired plasmalogen synthesis dysregulates liver X receptor-dependent transcription in cerebellum. Journal of Biochemistry, 2019, 166, 353-361.	1.7	14
38	A peroxisome deficiencyâ€“induced reductive cytosol state up-regulates the brain-derived neurotrophic factor pathway. Journal of Biological Chemistry, 2020, 295, 5321-5334.	3.4	12
39	Mammalian Homologue NME3 of DYNAMO1 Regulates Peroxisome Division. International Journal of Molecular Sciences, 2020, 21, 8040.	4.1	11
40	ATP8B2-Mediated Asymmetric Distribution of Plasmalogens Regulates Plasmalogen Homeostasis and Plays a Role in Intracellular Signaling. Frontiers in Molecular Biosciences, 0, 9, .	3.5	11
41	Defining dynamin-based ring organizing center on the peroxisome-dividing machinery isolated from Cyanidioschyzon merolae. Journal of Cell Science, 2017, 130, 853-867.	2.0	10
42	Mild reduction of plasmalogens causes rhizomelic chondrodysplasia punctata: functional characterization of a novel mutation. Journal of Human Genetics, 2014, 59, 387-392.	2.3	9
43	Peroxisome Deficiency Impairs BDNF Signaling and Memory. Frontiers in Cell and Developmental Biology, 2020, 8, 567017.	3.7	7
44	Interaction defect of the medium isoform of PTS1-receptor Pex5p with PTS2-receptor Pex7p abrogates the PTS2 protein import into peroxisomes in mammals. Journal of Biochemistry, 2011, 149, 203-210.	1.7	6
45	Peroxisomal Membrane and Matrix Protein Import Using a Semi-Intact Mammalian Cell System. Methods in Molecular Biology, 2017, 1595, 213-219.	0.9	2
46	Plasmalogen mediates integration of adherens junction. Journal of Biochemistry, 2019, 166, 423-432.	1.7	2
47	A Mouse Model System to Study Peroxisomal Roles in Neurodegeneration of Peroxisome Biogenesis Disorders. Advances in Experimental Medicine and Biology, 2020, 1299, 119-143.	1.6	2
48	Molecular Complex Coordinating Peroxisome Morphogenesis in Mammalian Cells. , 2014, , 391-401.		2
49	Analysis of Plasmalogen Synthesis in Cultured Cells. Methods in Molecular Biology, 2017, 1595, 55-61.	0.9	1
50	Homeostasis of Plasmalogens in Mammals. , 2019, , 218-223.		1
51	In Vitro PMP Import Analysis Using Cell-Free Synthesized PMP and Isolated Peroxisomes. Methods in Molecular Biology, 2017, 1595, 207-212.	0.9	0
52	Detergent-Resistant Membranes and the Use of Cholesterol Depletion. , 2006, , 5-9.		0
53	Molecular basis of local energy generation during mitochondrial and peroxisomal division. Plant Morphology, 2020, 32, 59-73.	0.1	0