

Paul P Van Veldhoven

List of Publications by Year in descending order

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233
papers

15,113
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#	ARTICLE	IF	CITATIONS
1	Peroxisome-Derived Hydrogen Peroxide Modulates the Sulfenylation Profiles of Key Redox Signaling Proteins in Flp-In T-REx 293 Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 888873.	1.8	6
2	Peroxisomal Multifunctional Protein 2 Deficiency Perturbs Lipid Homeostasis in the Retina and Causes Visual Dysfunction in Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 632930.	1.8	12
3	Nuclear Sphingosine-1-phosphate Lyase Generated Δ^2 -hexadecenal is A Regulator of HDAC Activity and Chromatin Remodeling in Lung Epithelial Cells. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 575-592.	0.9	10
4	Altered cholesterol homeostasis in critical illness-induced muscle weakness: effect of exogenous 3-hydroxybutyrate. <i>Critical Care</i> , 2021, 25, 252.	2.5	9
5	Editorial Expression of Concern: Glial Δ^2 -Oxidation regulates Drosophila Energy Metabolism. <i>Scientific Reports</i> , 2020, 10, 13199.	1.6	0
6	Slc25a17 Gene Trapped Mice: PMP34 Plays a Role in the Peroxisomal Degradation of Phytanic and Pristanic Acid. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 144.	1.8	17
7	Peroxisomal Dysfunction and Oxidative Stress in Neurodegenerative Disease: A Bidirectional Crosstalk. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1299, 19-30.	0.8	7
8	Adipose tissue protects against sepsis-induced muscle weakness in mice: from lipolysis to ketones. <i>Critical Care</i> , 2019, 23, 236.	2.5	58
9	Distinct Mechanisms for Visual and Motor-Related Astrocyte Responses in Mouse Visual Cortex. <i>Current Biology</i> , 2019, 29, 3120-3127.e5.	1.8	45
10	Leukodystrophy caused by plasmalogen deficiency rescued by glyceryl α -myristyl ether treatment. <i>Brain Pathology</i> , 2019, 29, 622-639.	2.1	30
11	Deciphering the potential involvement of PXMP2 and PEX11B in hydrogen peroxide permeation across the peroxisomal membrane reveals a role for PEX11B in protein sorting. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 182991.	1.4	25
12	Functional peroxisomes are required for Δ^2 -cell integrity in mice. <i>Molecular Metabolism</i> , 2019, 22, 71-83.	3.0	27
13	Differential distribution of peroxisomal proteins points to specific roles of peroxisomes in the murine retina. <i>Molecular and Cellular Biochemistry</i> , 2019, 456, 53-62.	1.4	20
14	Peroxisomes as Modulators of Cellular Protein Thiol Oxidation: A New Model System. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 22-39.	2.5	30
15	Δ^2 Hexadecenal Generated from S1P by Nuclear S1P Lyase Is a Regulator of HDAC1/2 Activity and Histone Acetylation in Lung Epithelial Cells. <i>FASEB Journal</i> , 2019, 33, 489.3.	0.2	2
16	Lipid homeostasis and inflammatory activation are disturbed in classically activated macrophages with peroxisomal Δ^2 -oxidation deficiency. <i>Immunology</i> , 2018, 153, 342-356.	2.0	13
17	PPAR α -mediated peroxisome induction compensates PPAR β -deficiency in bronchiolar club cells. <i>PLoS ONE</i> , 2018, 13, e0203466.	1.1	2
18	Quantitative lipidomic analysis of mouse lung during postnatal development by electrospray ionization tandem mass spectrometry. <i>PLoS ONE</i> , 2018, 13, e0203464.	1.1	18

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19	Mitochondrial disruption in peroxisome deficient cells is hepatocyte selective but is not mediated by common hepatic peroxisomal metabolites. <i>Mitochondrion</i> , 2018, 39, 51-59.	1.6	26
20	Localization of 1-deoxysphingolipids to mitochondria induces mitochondrial dysfunction. <i>Journal of Lipid Research</i> , 2017, 58, 42-59.	2.0	67
21	Phytol-induced pathology in 2-hydroxyacyl-CoA lyase (HACL1) deficient mice. Evidence for a second non-HACL1-related lyase. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 972-990.	1.2	24
22	Differential activities of peroxisomes along the mouse intestinal epithelium. <i>Cell Biochemistry and Function</i> , 2017, 35, 144-155.	1.4	8
23	Odd Chain Fatty Acids; New Insights of the Relationship Between the Gut Microbiota, Dietary Intake, Biosynthesis and Glucose Intolerance. <i>Scientific Reports</i> , 2017, 7, 44845.	1.6	90
24	Cholesterol-Lowering Gene Therapy Counteracts the Development of Non-ischemic Cardiomyopathy in Mice. <i>Molecular Therapy</i> , 2017, 25, 2513-2525.	3.7	13
25	Allostery between two binding sites in the ion channel subunit TRIP8b confers binding specificity to HCN channels. <i>Journal of Biological Chemistry</i> , 2017, 292, 17718-17730.	1.6	11
26	Peroxisomal 2-Hydroxyacyl-CoA Lyase Is Involved in Endogenous Biosynthesis of Heptadecanoic Acid. <i>Molecules</i> , 2017, 22, 1718.	1.7	20
27	Coconut Oil Aggravates Pressure Overload-Induced Cardiomyopathy without Inducing Obesity, Systemic Insulin Resistance, or Cardiac Steatosis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1565.	1.8	22
28	Sphingosine-1-phosphate lyase mutations cause primary adrenal insufficiency and steroid-resistant nephrotic syndrome. <i>Journal of Clinical Investigation</i> , 2017, 127, 942-953.	3.9	139
29	Dietary saturated fatty acids aggravate pressure overload-induced cardiomyopathy in mice in the absence of cardiac steatosis. <i>Atherosclerosis</i> , 2016, 252, e119.	0.4	1
30	Bifunctional Sphingosine for Cell-Based Analysis of Protein-Sphingolipid Interactions. <i>ACS Chemical Biology</i> , 2016, 11, 222-230.	1.6	99
31	Histamine Receptor H1-mediated Sensitization of TRPV1 Mediates Visceral Hypersensitivity and Symptoms in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2016, 150, 875-887.e9.	0.6	263
32	Hepatic dysfunction in peroxisomal disorders. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 956-970.	1.9	58
33	Intellectual disability, muscle weakness and characteristic face in three siblings: A newly described recessive syndrome mapping to 3p24.3-p25.3. <i>American Journal of Medical Genetics, Part A</i> , 2015, 167, 2508-2515.	0.7	9
34	Verapamil hepatic clearance in four preclinical rat models: towards activity-based scaling. <i>Biopharmaceutics and Drug Disposition</i> , 2015, 36, 462-480.	1.1	10
35	Redox interplay between mitochondria and peroxisomes. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 35.	1.8	174
36	Hematopoietic Stem/Progenitor Cells Directly Contribute to Arteriosclerotic Progression via Integrin $\beta 2$. <i>Stem Cells</i> , 2015, 33, 1230-1240.	1.4	12

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37	Glial $\hat{2}$ -Oxidation regulates Drosophila Energy Metabolism. <i>Scientific Reports</i> , 2015, 5, 7805.	1.6	55
38	The oxysterol and cholestenic acid profile of mouse cerebrospinal fluid. <i>Steroids</i> , 2015, 99, 172-177.	0.8	19
39	Export-deficient monoubiquitinated PEX5 triggers peroxisome removal in SV40 large T antigen-transformed mouse embryonic fibroblasts. <i>Autophagy</i> , 2015, 11, 1326-1340.	4.3	79
40	Fatty acid carbon is essential for dNTP synthesis in endothelial cells. <i>Nature</i> , 2015, 520, 192-197.	13.7	466
41	Upregulation of ABC transporters contributes to chemoresistance of sphingosine 1-phosphate lyase-deficient fibroblasts. <i>Journal of Lipid Research</i> , 2015, 56, 60-69.	2.0	16
42	Mitochondria in peroxisome-deficient hepatocytes exhibit impaired respiration, depleted DNA, and PGC-1 α independent proliferation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 285-298.	1.9	65
43	Roux-en-y gastric bypass attenuates hepatic mitochondrial dysfunction in mice with non-alcoholic steatohepatitis. <i>Cut</i> , 2015, 64, 673-683.	6.1	64
44	Pharmacological reversion of sphingomyelin \hat{c} induced dendritic spine anomalies in a Niemann Pick disease type A mouse model. <i>EMBO Molecular Medicine</i> , 2014, 6, 398-413.	3.3	42
45	PEX5, the Shuttling Import Receptor for Peroxisomal Matrix Proteins, Is a Redox Sensitive Protein. <i>Traffic</i> , 2014, 15, 94-103.	1.3	67
46	Acyl-CoA thioesterase 9 (ACOT9) in mouse may provide a novel link between fatty acid and amino acid metabolism in mitochondria. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 933-948.	2.4	35
47	Regulation of High-Density Lipoprotein on Hematopoietic Stem/Progenitor Cells in Atherosclerosis Requires Scavenger Receptor Type BI Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1900-1909.	1.1	55
48	RP-HPLC-fluorescence analysis of aliphatic aldehydes: application to aldehyde-generating enzymes HACL1 and SGPL1. <i>Journal of Lipid Research</i> , 2014, 55, 573-582.	2.0	19
49	Central nervous system pathology in MFP2 deficiency: Insights from general and conditional knockout mouse models. <i>Biochimie</i> , 2014, 98, 119-126.	1.3	14
50	P245 ROUX-EN-Y GASTRIC BYPASS ATTENUATES HEPATIC MITOCHONDRIAL DYSFUNCTION IN MICE WITH NONALCOHOLIC STEATOHEPATITIS. <i>Journal of Hepatology</i> , 2014, 60, S147.	1.8	1
51	Mouse Models with Peroxisome Biogenesis Defects. , 2014, , 17-36.		0
52	Ageing, Age-Related Diseases and Peroxisomes. <i>Sub-Cellular Biochemistry</i> , 2013, 69, 45-65.	1.0	71
53	Role of PFKFB3-Driven Glycolysis in Vessel Sprouting. <i>Cell</i> , 2013, 154, 651-663.	13.5	1,117
54	Peroxisomal multifunctional protein-2 deficiency causes neuroinflammation and degeneration of Purkinje cells independent of very long chain fatty acid accumulation. <i>Neurobiology of Disease</i> , 2013, 58, 258-269.	2.1	44

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55	Mitochondria are targets for peroxisome-derived oxidative stress in cultured mammalian cells. <i>Free Radical Biology and Medicine</i> , 2013, 65, 882-894.	1.3	126
56	Peroxisome deficient invertebrate and vertebrate animal models. <i>Frontiers in Physiology</i> , 2013, 4, 335.	1.3	32
57	Abolition of Peroxiredoxin-5 Mitochondrial Targeting during Canid Evolution. <i>PLoS ONE</i> , 2013, 8, e72844.	1.1	5
58	Hematopoietic Sphingosine 1-Phosphate Lyase Deficiency Decreases Atherosclerotic Lesion Development in LDL-Receptor Deficient Mice. <i>PLoS ONE</i> , 2013, 8, e63360.	1.1	26
59	A Nonradioactive Fluorimetric SPE-Based Ceramide Kinase Assay Using NBD-C6-Ceramide. <i>Journal of Lipids</i> , 2012, 2012, 1-9.	1.9	6
60	Peroxisome deficient α -Pex5 knockout mice display impaired white adipocyte and muscle function concomitant with reduced adrenergic tone. <i>Molecular Genetics and Metabolism</i> , 2012, 107, 735-747.	0.5	19
61	Mouse models for peroxisome biogenesis defects and \hat{I}^2 -oxidation enzyme deficiencies. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1489-1500.	1.8	59
62	Peroxisome deficiency but not the defect in ether lipid synthesis causes activation of the innate immune system and axonal loss in the central nervous system. <i>Journal of Neuroinflammation</i> , 2012, 9, 61.	3.1	54
63	Alterations in phosphatidylethanolamine levels affect the generation of \hat{A}^2 . <i>Aging Cell</i> , 2012, 11, 63-72.	3.0	31
64	Potential limitations in the use of KillerRed for fluorescence microscopy. <i>Journal of Microscopy</i> , 2012, 245, 229-235.	0.8	18
65	Determination of sphingosine-1-phosphate lyase activity by gas chromatography coupled to electron impact mass spectrometry. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 225-231.	1.5	13
66	Hematopoietic Stem/Progenitor Cell Proliferation and Differentiation Is Differentially Regulated by High-Density and Low-Density Lipoproteins in Mice. <i>PLoS ONE</i> , 2012, 7, e47286.	1.1	74
67	Hepatosteatosis in peroxisome deficient liver despite increased \hat{I}^2 -oxidation capacity and impaired lipogenesis. <i>Biochimie</i> , 2011, 93, 1828-1838.	1.3	23
68	Mitochondrial targeting of peroxiredoxin 5 is preserved from annelids to mammals but is absent in pig <i>Sus scrofa domestica</i> . <i>Mitochondrion</i> , 2011, 11, 973-981.	1.6	13
69	Identification and characterization of new long chain Acyl-CoA dehydrogenases. <i>Molecular Genetics and Metabolism</i> , 2011, 102, 418-429.	0.5	103
70	Regulation of tyrosine kinase B activity by the Cyp46/cholesterol loss pathway in mature hippocampal neurons: relevance for neuronal survival under stress and in aging. <i>Journal of Neurochemistry</i> , 2011, 116, 747-755.	2.1	44
71	Exercise-induced, but not creatine-induced, decrease in intramyocellular lipid content improves insulin sensitivity in rats. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 1178-1185.	1.9	13
72	Thapsigargin affinity purification of intracellular P2A-type Ca^{2+} ATPases. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1118-1127.	1.9	11

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73	Role of thiamine pyrophosphate in oligomerisation, functioning and import of peroxisomal 2-hydroxyacyl-CoA lyase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1226-1233.	1.1	16
74	Sphingomyelin upregulation in mature neurons contributes to TrkB activity by Rac1 endocytosis. <i>Journal of Cell Science</i> , 2011, 124, 1308-1315.	1.2	19
75	Deletion of the Hyperpolarization-Activated Cyclic Nucleotide-Gated Channel Auxiliary Subunit TRIP8b Impairs Hippocampal <i>h</i> Localization and Function and Promotes Antidepressant Behavior in Mice. <i>Journal of Neuroscience</i> , 2011, 31, 7424-7440.	1.7	115
76	Intraperoxisomal redox balance in mammalian cells: oxidative stress and interorganellar cross-talk. <i>Molecular Biology of the Cell</i> , 2011, 22, 1440-1451.	0.9	175
77	Carbohydrate Metabolism Is Perturbed in Peroxisome-deficient Hepatocytes Due to Mitochondrial Dysfunction, AMP-activated Protein Kinase (AMPK) Activation, and Peroxisome Proliferator-activated Receptor β Coactivator 1 α (PGC-1 α) Suppression*. <i>Journal of Biological Chemistry</i> , 2011, 286, 42162-42179.	1.6	44
78	Hacl1 Δ^{Δ} mice, a new animal model for Δ^{Δ} -oxidation deficiency. <i>Chemistry and Physics of Lipids</i> , 2010, 163, S23.	1.5	1
79	Gender affects liver desaturase expression in a rat model of n^{-3} fatty acid repletion \uparrow . <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 180-187.	1.9	80
80	Enhanced Ca ²⁺ storage in sphingosine-1-phosphate lyase-deficient fibroblasts. <i>Cellular Signalling</i> , 2010, 22, 476-483.	1.7	24
81	RP-HPLC-fluorescence based assays of enzymes producing aliphatic aldehydes \rightarrow application to SGPL1 and HACL1. <i>Chemistry and Physics of Lipids</i> , 2010, 163, S36.	1.5	0
82	Training in the fasted state improves glucose tolerance during fat-rich diet. <i>Journal of Physiology</i> , 2010, 588, 4289-4302.	1.3	77
83	<i>De novo</i> Lipogenesis Protects Cancer Cells from Free Radicals and Chemotherapeutics by Promoting Membrane Lipid Saturation. <i>Cancer Research</i> , 2010, 70, 8117-8126.	0.4	557
84	Identification of a Substrate-binding Site in a Peroxisomal Δ^2 -Oxidation Enzyme by Photoaffinity Labeling with a Novel Palmitoyl Derivative. <i>Journal of Biological Chemistry</i> , 2010, 285, 26315-26325.	1.6	11
85	Combined deficiency of peroxisomal Δ^2 -oxidation and ether lipid synthesis in mice causes only minor cortical neuronal migration defects but severe hypotonia. <i>Molecular Genetics and Metabolism</i> , 2010, 100, 71-76.	0.5	18
86	Biochemistry and genetics of inherited disorders of peroxisomal fatty acid metabolism. <i>Journal of Lipid Research</i> , 2010, 51, 2863-2895.	2.0	274
87	Discontinued Postnatal Thymocyte Development in Sphingosine 1-Phosphate-Lyase-Deficient Mice. <i>Journal of Immunology</i> , 2009, 183, 4292-4301.	0.4	53
88	Disruption of Sphingosine 1-Phosphate Lyase Confers Resistance to Chemotherapy and Promotes Oncogenesis through Bcl-2/Bcl-xL Upregulation. <i>Cancer Research</i> , 2009, 69, 9346-9353.	0.4	103
89	Subcellular Origin of Sphingosine 1-Phosphate Is Essential for Its Toxic Effect in Lyase-deficient Neurons. <i>Journal of Biological Chemistry</i> , 2009, 284, 11346-11353.	1.6	93
90	Synthesis of a Fluorogenic Analogue of Sphingosine Δ^1 Phosphate and Its Use to Determine Sphingosine Δ^1 Phosphate Lyase Activity. <i>ChemBioChem</i> , 2009, 10, 820-822.	1.3	30

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91	Phytanic and pristanic acid breakdown is impaired in Slc25a17 ^{-/-} mice lacking the peroxisomal membrane solute transporter PMP34. <i>Chemistry and Physics of Lipids</i> , 2009, 160, S23.	1.5	0
92	Small G proteins in peroxisome biogenesis: the potential involvement of ADP-ribosylation factor 6. <i>BMC Cell Biology</i> , 2009, 10, 58.	3.0	16
93	Peroxisome Dynamics in Cultured Mammalian Cells. <i>Traffic</i> , 2009, 10, 1722-1733.	1.3	160
94	Synaptic Vesicle Docking: Sphingosine Regulates Syntaxin1 Interaction with Munc18. <i>PLoS ONE</i> , 2009, 4, e5310.	1.1	56
95	Susceptibility of Pancreatic Beta Cells to Fatty Acids Is Regulated by LXR/PPAR α -Dependent Stearoyl-Coenzyme A Desaturase. <i>PLoS ONE</i> , 2009, 4, e7266.	1.1	43
96	S1P α -lyase independent clearance of extracellular sphingosine 1-phosphate after dephosphorylation and cellular uptake. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 756-772.	1.2	64
97	Deficiency or inhibition of oxygen sensor Phd1 induces hypoxia tolerance by reprogramming basal metabolism. <i>Nature Genetics</i> , 2008, 40, 170-180.	9.4	433
98	Comparison of the PTS1- and Rab8b-binding properties of Pex5p and Pex5Rp/TRIP8b. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 864-873.	1.9	25
99	Degradation of very long chain dicarboxylic polyunsaturated fatty acids in mouse hepatocytes, a peroxisomal process. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 400-405.	1.2	35
100	Coordinate induction of PPAR α and SREBP2 in multifunctional protein 2 deficient mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 694-702.	1.2	35
101	Anomalous Surface Distribution of Glycosyl Phosphatidyl Inositol α -anchored Proteins in Neurons Lacking Acid Sphingomyelinase. <i>Molecular Biology of the Cell</i> , 2008, 19, 509-522.	0.9	51
102	Absence of Functional Peroxisomes from Mouse CNS Causes Dysmyelination and Axon Degeneration. <i>Journal of Neuroscience</i> , 2008, 28, 4015-4027.	1.7	107
103	Neutropenia with Impaired Immune Response to <i>Streptococcus pneumoniae</i> in Ceramide Kinase-Deficient Mice. <i>Journal of Immunology</i> , 2008, 180, 3457-3466.	0.4	65
104	Squalene Synthase, a Determinant of Raft-associated Cholesterol and Modulator of Cancer Cell Proliferation. <i>Journal of Biological Chemistry</i> , 2007, 282, 18777-18785.	1.6	93
105	On the presence of C2-ceramide in mammalian tissues: possible relationship to etherphospholipids and phosphorylation by ceramide kinase. <i>Biological Chemistry</i> , 2007, 388, 315-24.	1.2	27
106	(Dihydro)ceramide Synthase α -Regulated Sensitivity to Cisplatin Is Associated with the Activation of p38 Mitogen-Activated Protein Kinase and Is Abrogated by Sphingosine Kinase 1. <i>Molecular Cancer Research</i> , 2007, 5, 801-812.	1.5	104
107	α -Oxidation in hepatocyte cultures from mice with peroxisomal gene knockouts. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 718-723.	1.0	44
108	Biochemical characterization of two functional human liver acyl-CoA oxidase isoforms 1a and 1b encoded by a single gene. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 314-319.	1.0	61

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109	Ceramide-dependent release of ceramide kinase from cultured cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 169-174.	1.0	5
110	Presence of thiamine pyrophosphate in mammalian peroxisomes. <i>BMC Biochemistry</i> , 2007, 8, 10.	4.4	34
111	Peroxisome proliferator-activated receptor α -retinoid α receptor agonists induce beta α cell protection against palmitate toxicity. <i>FEBS Journal</i> , 2007, 274, 6094-6105.	2.2	49
112	Peroxisomal Multifunctional Protein-2 Deficiency Causes Motor Deficits and Glial Lesions in the Adult Central Nervous System. <i>American Journal of Pathology</i> , 2006, 168, 1321-1334.	1.9	46
113	Peroxisomal multifunctional protein-2: The enzyme, the patients and the knockout mouse model. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 973-994.	1.2	78
114	Thiamine pyrophosphate: An essential cofactor for the α -oxidation in mammals α implications for thiamine deficiencies?. <i>Cellular and Molecular Life Sciences</i> , 2006, 63, 1553-1563.	2.4	23
115	Generalised and conditional inactivation of Pex genes in mice. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 1785-1793.	1.9	42
116	Further characterization of mammalian ceramide kinase: substrate delivery and (stereo)specificity, tissue distribution, and subcellular localization studies. <i>Journal of Lipid Research</i> , 2006, 47, 268-283.	2.0	43
117	Peroxisomal Multifunctional Protein 2 Is Essential for Lipid Homeostasis in Sertoli Cells and Male Fertility in Mice. <i>Endocrinology</i> , 2006, 147, 2228-2236.	1.4	78
118	5-Hydroxydecanoate is metabolised in mitochondria and creates a rate-limiting bottleneck for α -oxidation of fatty acids. <i>Journal of Physiology</i> , 2005, 562, 307-318.	1.3	75
119	Absence of peroxisomes in mouse hepatocytes causes mitochondrial and ER abnormalities. <i>Hepatology</i> , 2005, 41, 868-878.	3.6	170
120	Sphingosine-1-Phosphate Lyase Regulates Sensitivity of Human Cells to Select Chemotherapy Drugs in a p38-Dependent Manner. <i>Molecular Cancer Research</i> , 2005, 3, 287-296.	1.5	66
121	Breakdown of 2-Hydroxylated Straight Chain Fatty Acids via Peroxisomal 2-Hydroxyphytanoyl-CoA Lyase. <i>Journal of Biological Chemistry</i> , 2005, 280, 9802-9812.	1.6	97
122	Developmental Changes of Bile Acid Composition and Conjugation in L- and D-Bifunctional Protein Single and Double Knockout Mice. <i>Journal of Biological Chemistry</i> , 2005, 280, 18658-18666.	1.6	51
123	N-Acyl migration in ceramides. <i>Journal of Lipid Research</i> , 2005, 46, 812-816.	2.0	8
124	Analysis of Human Pex19p's Domain Structure by Pentapeptide Scanning Mutagenesis. <i>Journal of Molecular Biology</i> , 2005, 346, 1275-1286.	2.0	56
125	Role of α -Methylacyl Coenzyme A Racemase in the Degradation of Methyl-Branched Alkanes by <i>Mycobacterium</i> sp. Strain P101. <i>Journal of Bacteriology</i> , 2004, 186, 7214-7220.	1.0	21
126	Potential Role for Pex19p in Assembly of PTS-Receptor Docking Complexes. <i>Journal of Biological Chemistry</i> , 2004, 279, 12615-12624.	1.6	63

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127	Mass spectrometric analysis of ceramide perturbations in brain and fibroblasts of mice and human patients with peroxisomal disorders. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1569-1574.	0.7	41
128	Alpha-oxidation of 3-methyl-substituted fatty acids and its thiamine dependence. <i>FEBS Journal</i> , 2003, 270, 1619-1627.	0.2	41
129	Sphingosylphosphorylcholine regulates keratin network architecture and visco-elastic properties of human cancer cells. <i>Nature Cell Biology</i> , 2003, 5, 803-811.	4.6	234
130	Fatty acid synthase drives the synthesis of phospholipids partitioning into detergent-resistant membrane microdomains. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 898-903.	1.0	227
131	Further studies on the substrate spectrum of phytanoyl-CoA hydroxylase. <i>Journal of Lipid Research</i> , 2003, 44, 2349-2355.	2.0	21
132	Overexpression of Peroxisome Proliferator-activated Receptor- β (PPAR β)-regulated Genes in Liver in the Absence of Peroxisome Proliferation in Mice Deficient in both l- and d-Forms of Enoyl-CoA Hydratase/Dehydrogenase Enzymes of Peroxisomal β -Oxidation System. <i>Journal of Biological Chemistry</i> , 2003, 278, 47232-47239.	1.6	56
133	Microarray-based discovery of highly expressed olfactory mucosal genes: potential roles in the various functions of the olfactory system. <i>Physiological Genomics</i> , 2003, 16, 67-81.	1.0	54
134	Neuronal Migration Depends on Intact Peroxisomal Function in Brain and in Extraneuronal Tissues. <i>Journal of Neuroscience</i> , 2003, 23, 9732-9741.	1.7	60
135	Lessons from Knockout Mice. I: Phenotypes of Mice with Peroxisome Biogenesis Disorders. <i>Advances in Experimental Medicine and Biology</i> , 2003, 544, 113-122.	0.8	7
136	Thiamine Pyrophosphate: an essential Cofactor in the Mammalian Metabolism of 3-methyl-branched Fatty Acids. <i>Advances in Experimental Medicine and Biology</i> , 2003, 544, 305-306.	0.8	2
137	Analysis of Mammalian Peroxin Interactions Using a Non-transcription-based Bacterial Two-hybrid Assay. <i>Molecular and Cellular Proteomics</i> , 2002, 1, 243-252.	2.5	61
138	The acyl-CoA oxidases from the yeast <i>Yarrowia lipolytica</i> : characterization of Aox2p. <i>Archives of Biochemistry and Biophysics</i> , 2002, 407, 32-38.	1.4	49
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141	Hepatic β -Oxidation of Phytanic Acid. <i>Advances in Experimental Medicine and Biology</i> , 2002, 466, 273-281.	0.8	5
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