Paul P Van Veldhoven

List of Publications by Year
in descending order

233	15,113	18482 62	22166 113
papers	citations	h-index	g-index

238	238	238	18594
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Peroxisome-Derived Hydrogen Peroxide Modulates the Sulfenylation Profiles of Key Redox Signaling Proteins in Flp-In T-REx 293 Cells. Frontiers in Cell and Developmental Biology, 2022, 10, 888873.	3.7	6
2	Peroxisomal Multifunctional Protein 2 Deficiency Perturbs Lipid Homeostasis in the Retina and Causes Visual Dysfunction in Mice. Frontiers in Cell and Developmental Biology, 2021, 9, 632930.	3.7	12
3	Nuclear Sphingosine-1-phosphate Lyase Generated âˆ†2-hexadecenal is A Regulator of HDAC Activity and Chromatin Remodeling in Lung Epithelial Cells. Cell Biochemistry and Biophysics, 2021, 79, 575-592.	1.8	10
4	Altered cholesterol homeostasis in critical illness-induced muscle weakness: effect of exogenous 3-hydroxybutyrate. Critical Care, 2021, 25, 252.	5.8	9
5	Editorial Expression of Concern: Glial Î²-Oxidation regulates Drosophila Energy Metabolism. Scientific Reports, 2020, 10, 13199.	3.3	0
6	Slc25a17 Gene Trapped Mice: PMP34 Plays a Role in the Peroxisomal Degradation of Phytanic and Pristanic Acid. Frontiers in Cell and Developmental Biology, 2020, 8, 144.	3.7	17
7	Peroxisomal Dysfunction and Oxidative Stress in Neurodegenerative Disease: A Bidirectional Crosstalk. Advances in Experimental Medicine and Biology, 2020, 1299, 19-30.	1.6	7
8	Adipose tissue protects against sepsis-induced muscle weakness in mice: from lipolysis to ketones. Critical Care, 2019, 23, 236.	5.8	58
9	Distinct Mechanisms for Visual and Motor-Related Astrocyte Responses in Mouse Visual Cortex. Current Biology, 2019, 29, 3120-3127.e5.	3.9	45
10	Leukodystrophy caused by plasmalogen deficiency rescued by glyceryl 1â€myristyl ether treatment. Brain Pathology, 2019, 29, 622-639.	4.1	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. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 182991.	2.6	25
12	Functional peroxisomes are required for Î²-cell integrity in mice. Molecular Metabolism, 2019, 22, 71-83.	6.5	27
13	Differential distribution of peroxisomal proteins points to specific roles of peroxisomes in the murine retina. Molecular and Cellular Biochemistry, 2019, 456, 53-62.	3.1	20
14	Peroxisomes as Modulators of Cellular Protein Thiol Oxidation: A New Model System. Antioxidants and Redox Signaling, 2019, 30, 22-39.	5.4	30
15	Î”â€2 Hexadecenal Generated from S1P by Nuclear S1P Lyase Is a Regulator of HDAC1/2 Activity and Histone Acetylation in Lung Epithelial Cells. FASEB Journal, 2019, 33, 489.3.	0.5	2
16	Lipid homeostasis and inflammatory activation are disturbed in classically activated macrophages with peroxisomal Î²â€oxidation deficiency. Immunology, 2018, 153, 342-356.	4.4	13
17	PPARÎ±-mediated peroxisome induction compensates PPARÎ³-deficiency in bronchiolar club cells. PLoS ONE, 2018, 13, e0203466.	2.5	2
18	Quantitative lipidomic analysis of mouse lung during postnatal development by electrospray ionization tandem mass spectrometry. PLoS ONE, 2018, 13, e0203464.	2.5	18

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19	Mitochondrial disruption in peroxisome deficient cells is hepatocyte selective but is not mediated by common hepatic peroxisomal metabolites. Mitochondrion, 2018, 39, 51-59.	3.4	26
20	Localization of 1-deoxysphingolipids to mitochondria induces mitochondrial dysfunction. Journal of Lipid Research, 2017, 58, 42-59.	4.2	67
21	Phytol-induced pathology in 2-hydroxyacyl-CoA lyase (HACL1) deficient mice. Evidence for a second non-HACL1-related lyase. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 972-990.	2.4	24
22	Differential activities of peroxisomes along the mouse intestinal epithelium. Cell Biochemistry and Function, 2017, 35, 144-155.	2.9	8
23	Odd Chain Fatty Acids; New Insights of the Relationship Between the Gut Microbiota, Dietary Intake, Biosynthesis and Glucose Intolerance. Scientific Reports, 2017, 7, 44845.	3.3	90
24	Cholesterol-Lowering Gene Therapy Counteracts the Development of Non-ischemic Cardiomyopathy in Mice. Molecular Therapy, 2017, 25, 2513-2525.	8.2	13
25	Allostery between two binding sites in the ion channel subunit TRIP8b confers binding specificity to HCN channels. Journal of Biological Chemistry, 2017, 292, 17718-17730.	3.4	11
26	Peroxisomal 2-Hydroxyacyl-CoA Lyase Is Involved in Endogenous Biosynthesis of Heptadecanoic Acid. Molecules, 2017, 22, 1718.	3.8	20
27	Coconut Oil Aggravates Pressure Overload-Induced Cardiomyopathy without Inducing Obesity, Systemic Insulin Resistance, or Cardiac Steatosis. International Journal of Molecular Sciences, 2017, 18, 1565.	4.1	22
28	Sphingosine-1-phosphate lyase mutations cause primary adrenal insufficiency and steroid-resistant nephrotic syndrome. Journal of Clinical Investigation, 2017, 127, 942-953.	8.2	139
29	Dietary saturated fatty acids aggravate pressure overload-induced cardiomyopathy in mice in the absence of cardiac steatosis. Atherosclerosis, 2016, 252, e119.	0.8	1
30	Bifunctional Sphingosine for Cell-Based Analysis of Protein-Sphingolipid Interactions. ACS Chemical Biology, 2016, 11, 222-230.	3.4	99
31	Histamine Receptor H1â€“Mediated Sensitization of TRPV1 Mediates Visceral Hypersensitivity and Symptoms in Patients With Irritable Bowel Syndrome. Gastroenterology, 2016, 150, 875-887.e9.	1.3	263
32	Hepatic dysfunction in peroxisomal disorders. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 956-970.	4.1	58
33	Intellectual disability, muscle weakness and characteristic face in three siblings: A newly described recessive syndrome mapping to 3p24.3â€“p25.3. American Journal of Medical Genetics, Part A, 2015, 167, 2508-2515.	1.2	9
34	Verapamil hepatic clearance in four preclinical rat models: towards activityâ€based scaling. Biopharmaceutics and Drug Disposition, 2015, 36, 462-480.	1.9	10
35	Redox interplay between mitochondria and peroxisomes. Frontiers in Cell and Developmental Biology, 2015, 3, 35.	3.7	174
36	Hematopoietic Stem/Progenitor Cells Directly Contribute to Arteriosclerotic Progression via Integrin Î²2. Stem Cells, 2015, 33, 1230-1240.	3.2	12

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37	Glial Î²-Oxidation regulates Drosophila Energy Metabolism. Scientific Reports, 2015, 5, 7805.	3.3	55
38	The oxysterol and cholestenoic acid profile of mouse cerebrospinal fluid. Steroids, 2015, 99, 172-177.	1.8	19
39	Export-deficient monoubiquitinated PEX5 triggers peroxisome removal in SV40 large T antigen-transformed mouse embryonic fibroblasts. Autophagy, 2015, 11, 1326-1340.	9.1	79
40	Fatty acid carbon is essential for dNTP synthesis in endothelial cells. Nature, 2015, 520, 192-197.	27.8	466
41	Upregulation of ABC transporters contributes to chemoresistance of sphingosine 1-phosphate lyase-deficient fibroblasts. Journal of Lipid Research, 2015, 56, 60-69.	4.2	16
42	Mitochondria in peroxisome-deficient hepatocytes exhibit impaired respiration, depleted DNA, and PGC-1Î± independent proliferation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 285-298.	4.1	65
43	Roux-en-y gastric bypass attenuates hepatic mitochondrial dysfunction in mice with non-alcoholic steatohepatitis. Gut, 2015, 64, 673-683.	12.1	64
44	Pharmacological reversion of sphingomyelinâ€induced dendritic spine anomalies in a Niemann Pick disease type <scp>A</scp> mouse model. EMBO Molecular Medicine, 2014, 6, 398-413.	6.9	42
45	<scp>PEX5</scp>, the Shuttling Import Receptor for Peroxisomal Matrix Proteins, Is a Redoxâ€Sensitive Protein. Traffic, 2014, 15, 94-103.	2.7	67
46	Acyl-CoA thioesterase 9 (ACOT9) in mouse may provide a novel link between fatty acid and amino acid metabolism in mitochondria. Cellular and Molecular Life Sciences, 2014, 71, 933-948.	5.4	35
47	Regulation of High-Density Lipoprotein on Hematopoietic Stem/Progenitor Cells in Atherosclerosis Requires Scavenger Receptor Type BI Expression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1900-1909.	2.4	55
48	RP-HPLC-fluorescence analysis of aliphatic aldehydes: application to aldehyde-generating enzymes HACL1 and SGPL1. Journal of Lipid Research, 2014, 55, 573-582.	4.2	19
49	Central nervous system pathology in MFP2 deficiency: Insights from general and conditional knockout mouse models. Biochimie, 2014, 98, 119-126.	2.6	14
50	P245 ROUX-EN-Y GASTRIC BYPASS ATTENUATES HEPATIC MITOCHONDRIAL DYSFUNCTION IN MICE WITH NONALCOHOLIC STEATOHEPATITIS. Journal of Hepatology, 2014, 60, S147.	3.7	1
51	Mouse Models with Peroxisome Biogenesis Defects. , 2014, , 17-36.		0
52	Aging, Age-Related Diseases and Peroxisomes. Sub-Cellular Biochemistry, 2013, 69, 45-65.	2.4	71
53	Role of PFKFB3-Driven Glycolysis in Vessel Sprouting. Cell, 2013, 154, 651-663.	28.9	1,117
54	Peroxisomal multifunctional protein-2 deficiency causes neuroinflammation and degeneration of Purkinje cells independent of very long chain fatty acid accumulation. Neurobiology of Disease, 2013, 58, 258-269.	4.4	44

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55	Mitochondria are targets for peroxisome-derived oxidative stress in cultured mammalian cells. Free Radical Biology and Medicine, 2013, 65, 882-894.	2.9	126
56	Peroxisome deficient invertebrate and vertebrate animal models. Frontiers in Physiology, 2013, 4, 335.	2.8	32
57	Abolition of Peroxiredoxin-5 Mitochondrial Targeting during Canid Evolution. PLoS ONE, 2013, 8, e72844.	2.5	5
58	Hematopoietic Sphingosine 1-Phosphate Lyase Deficiency Decreases Atherosclerotic Lesion Development in LDL-Receptor Deficient Mice. PLoS ONE, 2013, 8, e63360.	2.5	26
59	A Nonradioactive Fluorimetric SPE-Based Ceramide Kinase Assay Using NBD-C6-Ceramide. Journal of Lipids, 2012, 2012, 1-9.	4.8	6
60	Peroxisome deficient aP2â€“Pex5 knockout mice display impaired white adipocyte and muscle function concomitant with reduced adrenergic tone. Molecular Genetics and Metabolism, 2012, 107, 735-747.	1.1	19
61	Mouse models for peroxisome biogenesis defects and Î²-oxidation enzyme deficiencies. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1489-1500.	3.8	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. Journal of Neuroinflammation, 2012, 9, 61.	7.2	54
63	Alterations in phosphatidylethanolamine levels affect the generation of AÎ². Aging Cell, 2012, 11, 63-72.	6.7	31
64	Potential limitations in the use of KillerRed for fluorescence microscopy. Journal of Microscopy, 2012, 245, 229-235.	1.8	18
65	Determination of sphingosine-1-phosphate lyase activity by gas chromatography coupled to electron impact mass spectrometry. Chemistry and Physics of Lipids, 2012, 165, 225-231.	3.2	13
66	Hematopoietic Stem/Progenitor Cell Proliferation and Differentiation Is Differentially Regulated by High-Density and Low-Density Lipoproteins in Mice. PLoS ONE, 2012, 7, e47286.	2.5	74
67	Hepatosteatosis in peroxisome deficient liver despite increased Î²-oxidation capacity and impaired lipogenesis. Biochimie, 2011, 93, 1828-1838.	2.6	23
68	Mitochondrial targeting of peroxiredoxin 5 is preserved from annelids to mammals but is absent in pig Sus scrofa domesticus. Mitochondrion, 2011, 11, 973-981.	3.4	13
69	Identification and characterization of new long chain Acyl-CoA dehydrogenases. Molecular Genetics and Metabolism, 2011, 102, 418-429.	1.1	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. Journal of Neurochemistry, 2011, 116, 747-755.	3.9	44
71	Exercise-induced, but not creatine-induced, decrease in intramyocellular lipid content improves insulin sensitivity in rats. Journal of Nutritional Biochemistry, 2011, 22, 1178-1185.	4.2	13
72	Thapsigargin affinity purification of intracellular P2A-type Ca2+ ATPases. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1118-1127.	4.1	11

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73	Role of thiamine pyrophosphate in oligomerisation, functioning and import of peroxisomal 2-hydroxyacyl-CoA lyase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1226-1233.	2.3	16
74	Sphingomyelin upregulation in mature neurons contributes to TrkB activity by Rac1 endocytosis. Journal of Cell Science, 2011, 124, 1308-1315.	2.0	19
75	Deletion of the Hyperpolarization-Activated Cyclic Nucleotide-Gated Channel Auxiliary Subunit TRIP8b Impairs HippocampalI_hLocalization and Function and Promotes Antidepressant Behavior in Mice. Journal of Neuroscience, 2011, 31, 7424-7440.	3.6	115
76	Intraperoxisomal redox balance in mammalian cells: oxidative stress and interorganellar cross-talk. Molecular Biology of the Cell, 2011, 22, 1440-1451.	2.1	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 Î³ Coactivator 1Î± (PGC-1Î±) Suppression*. Journal of Biological Chemistry, 2011, 286, 42162-42179.	3.4	44
78	Hacl1â¯/â¯ mice, a new animal model for Î±-oxidation deficiency. Chemistry and Physics of Lipids, 2010, 163, S23.	3.2	1
79	Gender affects liver desaturase expression in a rat model of nâ¯3 fatty acid repletionâ¯†. Journal of Nutritional Biochemistry, 2010, 21, 180-187.	4.2	80
80	Enhanced Ca2+ storage in sphingosine-1-phosphate lyase-deficient fibroblasts. Cellular Signalling, 2010, 22, 476-483.	3.6	24
81	RP-HPLC-fluorescence based assays of enzymes producing aliphatic aldehydesâ€"application to SGPL1 and HACL1. Chemistry and Physics of Lipids, 2010, 163, S36.	3.2	0
82	Training in the fasted state improves glucose tolerance during fat-rich diet. Journal of Physiology, 2010, 588, 4289-4302.	2.9	77
83	De novo Lipogenesis Protects Cancer Cells from Free Radicals and Chemotherapeutics by Promoting Membrane Lipid Saturation. Cancer Research, 2010, 70, 8117-8126.	0.9	557
84	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
85	Combined deficiency of peroxisomal Î²-oxidation and ether lipid synthesis in mice causes only minor cortical neuronal migration defects but severe hypotonia. Molecular Genetics and Metabolism, 2010, 100, 71-76.	1.1	18
86	Biochemistry and genetics of inherited disorders of peroxisomal fatty acid metabolism. Journal of Lipid Research, 2010, 51, 2863-2895.	4.2	274
87	Discontinued Postnatal Thymocyte Development in Sphingosine 1-Phosphate-Lyase-Deficient Mice. Journal of Immunology, 2009, 183, 4292-4301.	0.8	53
88	Disruption of Sphingosine 1-Phosphate Lyase Confers Resistance to Chemotherapy and Promotes Oncogenesis through Bcl-2/Bcl-xL Upregulation. Cancer Research, 2009, 69, 9346-9353.	0.9	103
89	Subcellular Origin of Sphingosine 1-Phosphate Is Essential for Its Toxic Effect in Lyase-deficient Neurons. Journal of Biological Chemistry, 2009, 284, 11346-11353.	3.4	93
90	Synthesis of a Fluorogenic Analogue of Sphingosineâ€1â€Phosphate and Its Use to Determine Sphingosineâ€1â€Phosphate Lyase Activity. ChemBioChem, 2009, 10, 820-822.	2.6	30

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91	Phytanic and pristanic acid breakdown is impaired in Slc25a17â^'/â^' mice lacking the peroxisomal membrane solute transporter PMP34. Chemistry and Physics of Lipids, 2009, 160, S23.	3.2	0
92	Small G proteins in peroxisome biogenesis: the potential involvement of ADP-ribosylation factor 6. BMC Cell Biology, 2009, 10, 58.	3.0	16
93	Peroxisome Dynamics in Cultured Mammalian Cells. Traffic, 2009, 10, 1722-1733.	2.7	160
94	Synaptic Vesicle Docking: Sphingosine Regulates Syntaxin1 Interaction with Munc18. PLoS ONE, 2009, 4, e5310.	2.5	56
95	Susceptibility of Pancreatic Beta Cells to Fatty Acids Is Regulated by LXR/PPARÎ±-Dependent Stearoyl-Coenzyme A Desaturase. PLoS ONE, 2009, 4, e7266.	2.5	43
96	S1Pâ€lyase independent clearance of extracellular sphingosine 1â€phosphate after dephosphorylation and cellular uptake. Journal of Cellular Biochemistry, 2008, 104, 756-772.	2.6	64
97	Deficiency or inhibition of oxygen sensor Phd1 induces hypoxia tolerance by reprogramming basal metabolism. Nature Genetics, 2008, 40, 170-180.	21.4	433
98	Comparison of the PTS1- and Rab8b-binding properties of Pex5p and Pex5Rp/TRIP8b. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 864-873.	4.1	25
99	Degradation of very long chain dicarboxylic polyunsaturated fatty acids in mouse hepatocytes, a peroxisomal process. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2008, 1781, 400-405.	2.4	35
100	Coordinate induction of PPARÎ± and SREBP2 in multifunctional protein 2 deficient mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2008, 1781, 694-702.	2.4	35
101	Anomalous Surface Distribution of Glycosyl Phosphatidyl Inositolâ€“anchored Proteins in Neurons Lacking Acid Sphingomyelinase. Molecular Biology of the Cell, 2008, 19, 509-522.	2.1	51
102	Absence of Functional Peroxisomes from Mouse CNS Causes Dysmyelination and Axon Degeneration. Journal of Neuroscience, 2008, 28, 4015-4027.	3.6	107
103	Neutropenia with Impaired Immune Response to Streptococcus pneumoniae in Ceramide Kinase-Deficient Mice. Journal of Immunology, 2008, 180, 3457-3466.	0.8	65
104	Squalene Synthase, a Determinant of Raft-associated Cholesterol and Modulator of Cancer Cell Proliferation. Journal of Biological Chemistry, 2007, 282, 18777-18785.	3.4	93
105	On the presence of C2-ceramide in mammalian tissues: possible relationship to etherphospholipids and phosphorylation by ceramide kinase. Biological Chemistry, 2007, 388, 315-24.	2.5	27
106	(Dihydro)ceramide Synthase 1â€“Regulated Sensitivity to Cisplatin Is Associated with the Activation of p38 Mitogen-Activated Protein Kinase and Is Abrogated by Sphingosine Kinase 1. Molecular Cancer Research, 2007, 5, 801-812.	3.4	104
107	Î²-Oxidation in hepatocyte cultures from mice with peroxisomal gene knockouts. Biochemical and Biophysical Research Communications, 2007, 357, 718-723.	2.1	44
108	Biochemical characterization of two functional human liver acyl-CoA oxidase isoforms 1a and 1b encoded by a single gene. Biochemical and Biophysical Research Communications, 2007, 360, 314-319.	2.1	61

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109	Ceramide-dependent release of ceramide kinase from cultured cells. Biochemical and Biophysical Research Communications, 2007, 364, 169-174.	2.1	5
110	Presence of thiamine pyrophosphate in mammalian peroxisomes. BMC Biochemistry, 2007, 8, 10.	4.4	34
111	Peroxisome proliferatorâ€activated receptorâ€Î±â€“retinoidâ€X receptor agonists induce betaâ€cell protection against palmitate toxicity. FEBS Journal, 2007, 274, 6094-6105.	4.7	49
112	Peroxisomal Multifunctional Protein-2 Deficiency Causes Motor Deficits and Glial Lesions in the Adult Central Nervous System. American Journal of Pathology, 2006, 168, 1321-1334.	3.8	46
113	Peroxisomal multifunctional protein-2: The enzyme, the patients and the knockout mouse model. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 973-994.	2.4	78
114	Thiamine pyrophosphate: An essential cofactor for the Î±-oxidation in mammals â€“ implications for thiamine deficiencies?. Cellular and Molecular Life Sciences, 2006, 63, 1553-1563.	5.4	23
115	Generalised and conditional inactivation of Pex genes in mice. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1785-1793.	4.1	42
116	Further characterization of mammalian ceramide kinase: substrate delivery and (stereo)specificity, tissue distribution, and subcellular localization studies. Journal of Lipid Research, 2006, 47, 268-283.	4.2	43
117	Peroxisomal Multifunctional Protein 2 Is Essential for Lipid Homeostasis in Sertoli Cells and Male Fertility in Mice. Endocrinology, 2006, 147, 2228-2236.	2.8	78
118	5-Hydroxydecanoate is metabolised in mitochondria and creates a rate-limiting bottleneck for Î²-oxidation of fatty acids. Journal of Physiology, 2005, 562, 307-318.	2.9	75
119	Absence of peroxisomes in mouse hepatocytes causes mitochondrial and ER abnormalities. Hepatology, 2005, 41, 868-878.	7.3	170
120	Sphingosine-1-Phosphate Lyase Regulates Sensitivity of Human Cells to Select Chemotherapy Drugs in a p38-Dependent Manner. Molecular Cancer Research, 2005, 3, 287-296.	3.4	66
121	Breakdown of 2-Hydroxylated Straight Chain Fatty Acids via Peroxisomal 2-Hydroxyphytanoyl-CoA Lyase. Journal of Biological Chemistry, 2005, 280, 9802-9812.	3.4	97
122	Developmental Changes of Bile Acid Composition and Conjugation in L- and D-Bifunctional Protein Single and Double Knockout Mice. Journal of Biological Chemistry, 2005, 280, 18658-18666.	3.4	51
123	N-Acyl migration in ceramides. Journal of Lipid Research, 2005, 46, 812-816.	4.2	8
124	Analysis of Human Pex19p's Domain Structure by Pentapeptide Scanning Mutagenesis. Journal of Molecular Biology, 2005, 346, 1275-1286.	4.2	56
125	Role of Î±-Methylacyl Coenzyme A Racemase in the Degradation of Methyl-Branched Alkanes by Mycobacterium sp. Strain P101. Journal of Bacteriology, 2004, 186, 7214-7220.	2.2	21
126	Potential Role for Pex19p in Assembly of PTS-Receptor Docking Complexes. Journal of Biological Chemistry, 2004, 279, 12615-12624.	3.4	63

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127	Mass spectrometric analysis of ceramide perturbations in brain and fibroblasts of mice and human patients with peroxisomal disorders. Rapid Communications in Mass Spectrometry, 2004, 18, 1569-1574.	1.5	41
128	Alpha-oxidation of 3-methyl-substituted fatty acids and its thiamine dependence. FEBS Journal, 2003, 270, 1619-1627.	0.2	41
129	Sphingosylphosphorylcholine regulates keratin network architecture and visco-elastic properties of human cancer cells. Nature Cell Biology, 2003, 5, 803-811.	10.3	234
130	Fatty acid synthase drives the synthesis of phospholipids partitioning into detergent-resistant membrane microdomains. Biochemical and Biophysical Research Communications, 2003, 302, 898-903.	2.1	227
131	Further studies on the substrate spectrum of phytanoyl-CoA hydroxylase. Journal of Lipid Research, 2003, 44, 2349-2355.	4.2	21
132	Overexpression of Peroxisome Proliferator-activated Receptor-Î± (PPARÎ±)-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 Î²-Oxidation System. Journal of Biological Chemistry, 2003, 278, 47232-47239.	3.4	56
133	Microarray-based discovery of highly expressed olfactory mucosal genes: potential roles in the various functions of the olfactory system. Physiological Genomics, 2003, 16, 67-81.	2.3	54
134	Neuronal Migration Depends on Intact Peroxisomal Function in Brain and in Extraneuronal Tissues. Journal of Neuroscience, 2003, 23, 9732-9741.	3.6	60
135	Lessons from Knockout Mice. I: Phenotypes of Mice with Peroxisome Biogenesis Disorders. Advances in Experimental Medicine and Biology, 2003, 544, 113-122.	1.6	7
136	Thiamine Pyrophosphate: an essential Cofactor in the Mammalian Metabolism of 3-methyl-branched Fatty Acids. Advances in Experimental Medicine and Biology, 2003, 544, 305-306.	1.6	2
137	Analysis of Mammalian Peroxin Interactions Using a Non-transcription-based Bacterial Two-hybrid Assay. Molecular and Cellular Proteomics, 2002, 1, 243-252.	3.8	61
138	The acylâ€“CoA oxidases from the yeast Yarrowia lipolytica: characterization of Aox2p. Archives of Biochemistry and Biophysics, 2002, 407, 32-38.	3.0	49
139	1-O-Hexadecyl-2-desoxy-2-amino-sn-glycerol, a substrate for human sphingosine kinase. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2002, 1580, 1-8.	2.4	10
140	Role and Organization of Peroxisomal Î²-Oxidation. Advances in Experimental Medicine and Biology, 2002, 466, 261-272.	1.6	32
141	Hepatic Î±-Oxidation of Phytanic Acid. Advances in Experimental Medicine and Biology, 2002, 466, 273-281.	1.6	5
142	Loss of HIF-2Î± and inhibition of VEGF impair fetal lung maturation, whereas treatment with VEGF prevents fatal respiratory distress in premature mice. Nature Medicine, 2002, 8, 702-710.	30.7	680
143	Subcellular study of sphingoid base phosphorylation in rat tissues: evidence for multiple sphingosine kinases. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2001, 1532, 37-50.	2.4	38
144	Characterisation of human peroxisomal 2,4-dienoyl-CoA reductase1The sequence was deposited in the EMBL database (AJ293009).12During the preparation of this manuscript, the sequence of clone LA61-359F1 was finalised (AL023881 version 24) and an ORF was deduced which was identical to the cloned pDCR cDNA.2. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2001, 1533, 66-72.	2.4	18

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145	Prenatal and postnatal development of peroxisomal lipid-metabolizing pathways in the mouse. Biochemical Journal, 2001, 353, 673.	3.7	29
146	Identification of PEX5p-related novel peroxisome-targeting signal 1 (PTS1)-binding proteins in mammals. Biochemical Journal, 2001, 357, 635.	3.7	27
147	Prenatal and postnatal development of peroxisomal lipid-metabolizing pathways in the mouse. Biochemical Journal, 2001, 353, 673-680.	3.7	44
148	Identification of PEX5p-related novel peroxisome-targeting signal 1 (PTS1)-binding proteins in mammals. Biochemical Journal, 2001, 357, 635-646.	3.7	32
149	Oxidative catabolism of Î±-tocopherol in rat liver microsomes. Lipids, 2001, 36, 367-372.	1.7	3
150	Smooth Muscle Cells Influence Monocyte Response to LDL as well as Their Adhesion and Transmigration in a Coculture Model of the Arterial Wall. Journal of Vascular Research, 2001, 38, 479-491.	1.4	19
151	Human Pex19p Binds Peroxisomal Integral Membrane Proteins at Regions Distinct from Their Sorting Sequences. Molecular and Cellular Biology, 2001, 21, 4413-4424.	2.3	124
152	Adenovirus-Mediated Gene Transfer of Human Platelet-Activating Factorâ€“Acetylhydrolase Prevents Injury-Induced Neointima Formation and Reduces Spontaneous Atherosclerosis in Apolipoprotein Eâ€“Deficient Mice. Circulation, 2001, 103, 2495-2500.	1.6	197
153	Neuronal migration disorder in Zellweger mice is secondary to glutamate receptor dysfunction. Annals of Neurology, 2000, 48, 336-343.	5.3	55
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