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	Role of PFKFB3-Driven Glycolysis in Vessel Sprouting. Cell, 2013, 154, 651-663.	28.9	1,117
2	Inorganic and organic phosphate measurements in the nanomolar range. Analytical Biochemistry, 1987, 161, 45-48.	2.4	683
3	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
4	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
5	Fatty acid carbon is essential for dNTP synthesis in endothelial cells. Nature, 2015, 520, 192-197.	27.8	466
6	Deficiency or inhibition of oxygen sensor Phd1 induces hypoxia tolerance by reprogramming basal metabolism. Nature Genetics, 2008, 40, 170-180.	21.4	433
7	Biochemistry and genetics of inherited disorders of peroxisomal fatty acid metabolism. Journal of Lipid Research, 2010, 51, 2863-2895.	4.2	274
8	A mouse model for Zellweger syndrome. Nature Genetics, 1997, 17, 49-57.	21.4	267
9	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
10	Sphingosylphosphorylcholine regulates keratin network architecture and visco-elastic properties of human cancer cells. Nature Cell Biology, 2003, 5, 803-811.	10.3	234
11	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
12	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
13	The Difference in Recognition of Terminal Tripeptides as Peroxisomal Targeting Signal 1 between Yeast and Human Is Due to Different Affinities of Their Receptor Pex5p to the Cognate Signal and to Residues Adjacent to It. Journal of Biological Chemistry, 1998, 273, 33635-33643.	3.4	192
14	Inactivation of the Peroxisomal Multifunctional Protein-2 in Mice Impedes the Degradation of Not Only 2-Methyl-branched Fatty Acids and Bile Acid Intermediates but Also of Very Long Chain Fatty Acids. Journal of Biological Chemistry, 2000, 275, 16329-16336.	3.4	180
15	Intraperoxisomal redox balance in mammalian cells: oxidative stress and interorganellar cross-talk. Molecular Biology of the Cell, 2011, 22, 1440-1451.	2.1	175
16	Redox interplay between mitochondria and peroxisomes. Frontiers in Cell and Developmental Biology, 2015, 3, 35.	3.7	174
17	Identification and Characterization of the Putative Human Peroxisomal C-terminal Targeting Signal Import Receptor. Journal of Biological Chemistry, 1995, 270, 7731-7736.	3.4	170
18	Absence of peroxisomes in mouse hepatocytes causes mitochondrial and ER abnormalities. Hepatology, 2005, 41, 868-878.	7.3	170

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19	Peroxisome Dynamics in Cultured Mammalian Cells. Traffic, 2009, 10, 1722-1733.	2.7	160
20	Effect of harvesting methods, growth conditions and growth phase on diacylglycerol levels in cultured human adherent cells. Lipids and Lipid Metabolism, 1988, 959, 185-196.	2.6	147
21	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
22	Substrate Specificities of 3-Oxoacyl-CoA Thiolase A and Sterol Carrier Protein 2/3-Oxoacyl-CoA Thiolase Purified from Normal Rat Liver Peroxisomes. Journal of Biological Chemistry, 1997, 272, 26023-26031.	3.4	135
23	HDLassociated PAFâ€AH reduces endothelial adhesiveness in apoE â^'/â^' mice. FASEB Journal, 2000, 14, 2032-2039.	0.5	131
24	Mitochondria are targets for peroxisome-derived oxidative stress in cultured mammalian cells. Free Radical Biology and Medicine, 2013, 65, 882-894.	2.9	126
25	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
26	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
27	Changes in bioactive lipids, alkylacylglycerol and ceramide, occur in HIV-infected cells. Biochemical and Biophysical Research Communications, 1992, 187, 209-216.	2.1	108
28	Further Characterization of the Peroxisomal 3-Hydroxyacyl-Coa Dehydrogenases from Rat Liver. Relationship Between the Different Dehydrogenases and Evidence That Fatty Acids and the C27 Bile Acids Di- and Tri-Hydroxycoprostanic Acids are Metabolized by Separate Multifunctional Proteins. FEBS Journal, 1996, 240, 660-666.	0.2	108
29	Absence of Functional Peroxisomes from Mouse CNS Causes Dysmyelination and Axon Degeneration. Journal of Neuroscience, 2008, 28, 4015-4027.	3.6	107
30	Peroxisomal Lipid Degradation via Î² and Î²-oxidation in Mammals. Cell Biochemistry and Biophysics, 2000, 32, 73-87.	1.8	105
31	(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
32	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
33	Identification and characterization of new long chain Acyl-CoA dehydrogenases. Molecular Genetics and Metabolism, 2011, 102, 418-429.	1.1	103
34	Bifunctional Sphingosine for Cell-Based Analysis of Protein-Sphingolipid Interactions. ACS Chemical Biology, 2016, 11, 222-230.	3.4	99
35	Human sphingosine-1-phosphate lyase: cDNA cloning, functional expression studies and mapping to chromosome 10q2211DNA sequence was deposited in the EMBL database (AJ011304).. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1487, 128-134.	2.4	98
36	Characterization of Human and Murine PMP20 Peroxisomal Proteins That Exhibit Antioxidant Activity in Vitro. Journal of Biological Chemistry, 1999, 274, 29897-29904.	3.4	97

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37	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
38	d-Aspartate oxidase, a peroxisomal enzyme in liver of rat and man. Biochimica Et Biophysica Acta - General Subjects, 1991, 1073, 203-208.	2.4	93
39	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
40	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
41	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
42	Functions and Organization of Peroxisomal ?-Oxidation. Annals of the New York Academy of Sciences, 1996, 804, 99-115.	3.8	88
43	Mitochondrial and peroxisomal targeting of 2-methylacyl-CoA racemase in humans. Journal of Lipid Research, 2000, 41, 1752-1759.	4.2	87
44	Conversion of dihydroceramide into ceramide: involvement of a desaturase. Biochemical Journal, 1997, 327, 125-132.	3.7	86
45	Enzymatic quantification of sphingosine in the picomole range in cultured cells. Analytical Biochemistry, 1989, 183, 177-189.	2.4	83
46	Gender affects liver desaturase expression in a rat model of nâˆ’3 fatty acid repletionâ˜†. Journal of Nutritional Biochemistry, 2010, 21, 180-187.	4.2	80
47	Export-deficient monoubiquitinated PEX5 triggers peroxisome removal in SV40 large T antigen-transformed mouse embryonic fibroblasts. Autophagy, 2015, 11, 1326-1340.	9.1	79
48	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
49	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
50	Training in the fasted state improves glucose tolerance during fat-rich diet. Journal of Physiology, 2010, 588, 4289-4302.	2.9	77
51	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
52	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
53	[28] Sphingosine-1-phosphate lyase. Methods in Enzymology, 2000, 311, 244-254.	1.0	73
54	Aging, Age-Related Diseases and Peroxisomes. Sub-Cellular Biochemistry, 2013, 69, 45-65.	2.4	71

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55	Peroxisomal Î²-oxidation of 2-methyl-branched acyl-CoA esters stereospecific recognition of the 2S-methyl compounds by trihydroxycoprostanoyl-CoA oxidase and pristanoyl-CoA oxidase. FEBS Letters, 1996, 388, 80-84.	2.8	70
56	Identification of peroxisomal proteins by using M13 phage protein VI phage display: molecular evidence that mammalian peroxisomes contain a 2,4-dienoyl-CoA reductase. Biochemical Journal, 1999, 340, 561-568.	3.7	68
57	Iodixanol (Optiprep), an Improved Density Gradient Medium for the Iso-osmotic Isolation of Rat Liver Peroxisomes. Analytical Biochemistry, 1996, 237, 17-23.	2.4	67
58	<scp>PEX5</scp>, the Shuttling Import Receptor for Peroxisomal Matrix Proteins, Is a Redoxâ€Sensitive Protein. Traffic, 2014, 15, 94-103.	2.7	67
59	Localization of 1-deoxysphingolipids to mitochondria induces mitochondrial dysfunction. Journal of Lipid Research, 2017, 58, 42-59.	4.2	67
60	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
61	alpha-Oxidation of 3-Methyl-Substituted Fatty Acids in Rat Liver. Production of Formic Acid Instead of CO2, Cofactor Requirements, Subcellular Localization and Formation of a 2-Hydroxy-3-Methylacyl-Coa Intermediate. FEBS Journal, 1996, 240, 674-683.	0.2	65
62	Neutropenia with Impaired Immune Response to Streptococcus pneumoniae in Ceramide Kinase-Deficient Mice. Journal of Immunology, 2008, 180, 3457-3466.	0.8	65
63	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
64	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
65	Roux-en-y gastric bypass attenuates hepatic mitochondrial dysfunction in mice with non-alcoholic steatohepatitis. Gut, 2015, 64, 673-683.	12.1	64
66	Potential Role for Pex19p in Assembly of PTS-Receptor Docking Complexes. Journal of Biological Chemistry, 2004, 279, 12615-12624.	3.4	63
67	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
68	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
69	Neuronal Migration Depends on Intact Peroxisomal Function in Brain and in Extraneuronal Tissues. Journal of Neuroscience, 2003, 23, 9732-9741.	3.6	60
70	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
71	Hepatic dysfunction in peroxisomal disorders. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 956-970.	4.1	58
72	Adipose tissue protects against sepsis-induced muscle weakness in mice: from lipolysis to ketones. Critical Care, 2019, 23, 236.	5.8	58

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73	Î±-Oxidation of 3-methyl-substituted fatty acids in rat liver. Archives of Biochemistry and Biophysics, 1992, 296, 214-223.	3.0	56
74	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
75	Analysis of Human Pex19p's Domain Structure by Pentapeptide Scanning Mutagenesis. Journal of Molecular Biology, 2005, 346, 1275-1286.	4.2	56
76	Synaptic Vesicle Docking: Sphingosine Regulates Syntaxin1 Interaction with Munc18. PLoS ONE, 2009, 4, e5310.	2.5	56
77	Neuronal migration disorder in Zellweger mice is secondary to glutamate receptor dysfunction. Annals of Neurology, 2000, 48, 336-343.	5.3	55
78	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
79	Glial Î²-Oxidation regulates Drosophila Energy Metabolism. Scientific Reports, 2015, 5, 7805.	3.3	55
80	Identification and characterization of human PMP34, a protein closely related to the peroxisomal integral membrane protein PMP47 of Candida boidinii. FEBS Journal, 1998, 258, 332-338.	0.2	54
81	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
82	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
83	Evidence that multifunctional protein 2, and not multifunctional protein 1, is involved in the peroxisomal Î²-oxidation of pristanic acid. Biochemical Journal, 1997, 325, 367-373.	3.7	53
84	C-terminal tripeptide Ser-Asn-Leu (SNL) of human D-aspartate oxidase is a functional peroxisome-targeting signal. Biochemical Journal, 1998, 336, 367-371.	3.7	53
85	Discontinued Postnatal Thymocyte Development in Sphingosine 1-Phosphate-Lyase-Deficient Mice. Journal of Immunology, 2009, 183, 4292-4301.	0.8	53
86	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
87	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
88	The acylâ€“CoA oxidases from the yeast Yarrowia lipolytica: characterization of Aox2p. Archives of Biochemistry and Biophysics, 2002, 407, 32-38.	3.0	49
89	Peroxisome proliferatorâ€activated receptorâ€ƒÎ±â€“retinoidâ€ƒX receptor agonists induce betaâ€cell protection against palmitate toxicity. FEBS Journal, 2007, 274, 6094-6105.	4.7	49
90	Further characterization of rat dihydroceramide desaturase: Tissue distribution, subcellular localization, and substrate specificity. Lipids, 2000, 35, 1117-1125.	1.7	47

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91	Single-channel analysis of a large conductance channel in peroxisomes from rat liver. Biochimica Et Biophysica Acta - Biomembranes, 1989, 984, 351-359.	2.6	46
92	Large-scale purification and further characterization of rat pristanoyl-CoA oxidase. FEBS Journal, 1994, 222, 795-801.	0.2	46
93	Production of formyl-CoA during peroxisomal Î±-oxidation of 3-methyl-branched fatty acids. FEBS Letters, 1997, 407, 197-200.	2.8	46
94	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
95	Distinct Mechanisms for Visual and Motor-Related Astrocyte Responses in Mouse Visual Cortex. Current Biology, 2019, 29, 3120-3127.e5.	3.9	45
96	Prenatal and postnatal development of peroxisomal lipid-metabolizing pathways in the mouse. Biochemical Journal, 2001, 353, 673-680.	3.7	44
97	Î²-Oxidation in hepatocyte cultures from mice with peroxisomal gene knockouts. Biochemical and Biophysical Research Communications, 2007, 357, 718-723.	2.1	44
98	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
99	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
100	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
101	Lipase-based quantitation of triacylglycerols in cellular lipid extracts: Requirement for presence of detergent and prior separation by thin-layer chromatography. Lipids, 1997, 32, 1297-1300.	1.7	43
102	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
103	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
104	Formation of a 2-methyl-branched fatty aldehyde during peroxisomal Î±-oxidation. FEBS Letters, 1997, 412, 643-645.	2.8	42
105	Generalised and conditional inactivation of Pex genes in mice. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1785-1793.	4.1	42
106	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
107	Alpha-oxidation of 3-methyl-substituted fatty acids and its thiamine dependence. FEBS Journal, 2003, 270, 1619-1627.	0.2	41
108	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

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109	Presence of small GTP-binding proteins in the peroxisomal membrane. Biochimica Et Biophysica Acta - Biomembranes, 1992, 1109, 48-54.	2.6	40
110	Role of peroxisomes in mammalian metabolism. Cell Biochemistry and Function, 1992, 10, 141-151.	2.9	40
111	Identification and characterization of the 2-enoyl-CoA hydratases involved in peroxisomal Î²-oxidation in rat liver. Biochemical Journal, 1997, 321, 253-259.	3.7	40
112	Maturation of peroxisomes in differentiating human hepatoblastoma cells (HepG2): possible involvement of the peroxisome proliferator-activated receptor Î± (PPARÎ±). Differentiation, 1998, 64, 55-66.	1.9	39
113	Phytanoyl-CoA hydroxylase: recognition of 3-methyl-branched acyl-CoAs and requirement for GTP or ATP and Mg2+ in addition to its known hydroxylation cofactors. Journal of Lipid Research, 2000, 41, 629-636.	4.2	39
114	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
115	The human peroxisomal multifunctional protein involved in bile acid synthesis: activity measurement, deficiency in Zellweger syndrome and chromosome mapping. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1997, 1360, 229-240.	3.8	37
116	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
117	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
118	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
119	Presence of thiamine pyrophosphate in mammalian peroxisomes. BMC Biochemistry, 2007, 8, 10.	4.4	34
120	Cloning of a cDNA for Short/Branched Chain Acyl-Coenzyme A Dehydrogenase from Rat and Characterization of Its Tissue Expression and Substrate Specificity. Archives of Biochemistry and Biophysics, 1996, 331, 127-133.	3.0	32
121	Molecular cloning and further characterization of rat peroxisomal trihydroxycoprostanoyl-CoA oxidase. Biochemical Journal, 1996, 320, 115-121.	3.7	32
122	Enzymatic Quantitation of Cholesterol Esters in Lipid Extracts. Analytical Biochemistry, 1998, 258, 152-155.	2.4	32
123	Identification of peroxisomal proteins by using M13 phage protein VI phage display: molecular evidence that mammalian peroxisomes contain a 2,4-dienoyl-CoA reductase. Biochemical Journal, 1999, 340, 561.	3.7	32
124	Do sphingoid bases interact with the peroxisome proliferator activated receptor Î± (PPAR-Î±)?. Cellular Signalling, 2000, 12, 475-479.	3.6	32
125	Identification of PEX5p-related novel peroxisome-targeting signal 1 (PTS1)-binding proteins in mammals. Biochemical Journal, 2001, 357, 635-646.	3.7	32
126	Role and Organization of Peroxisomal Î²-Oxidation. Advances in Experimental Medicine and Biology, 2002, 466, 261-272.	1.6	32

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127	Peroxisome deficient invertebrate and vertebrate animal models. Frontiers in Physiology, 2013, 4, 335.	2.8	32
128	Alterations in phosphatidylethanolamine levels affect the generation of AÎ². Aging Cell, 2012, 11, 63-72.	6.7	31
129	Aminotriazole is a potent inhibitor of Î±-oxidation of 3-methyl-substituted fatty acids in rat liver. Biochemical Pharmacology, 1994, 48, 1973-1975.	4.4	30
130	On the presence of phosphorylated sphingoid bases in rat tissues A mass-spectrometric approach. FEBS Letters, 1994, 350, 91-95.	2.8	30
131	2-Methylacyl racemase: a coupled assay based on the use of pristanoyl-CoA oxidase/peroxidase and reinvestigation of its subcellular distribution in rat and human liver. Lipids and Lipid Metabolism, 1997, 1347, 62-68.	2.6	30
132	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
133	Leukodystrophy caused by plasmalogen deficiency rescued by glyceryl 1â€myristyl ether treatment. Brain Pathology, 2019, 29, 622-639.	4.1	30
134	Peroxisomes as Modulators of Cellular Protein Thiol Oxidation: A New Model System. Antioxidants and Redox Signaling, 2019, 30, 22-39.	5.4	30
135	Prenatal and postnatal development of peroxisomal lipid-metabolizing pathways in the mouse. Biochemical Journal, 2001, 353, 673.	3.7	29
136	Rat Pristanoyl-CoA Oxidase. cDNA Cloning and Recognition of its C-Terminal (SQL) by the Peroxisomal-Targeting Signal 1 Receptor. FEBS Journal, 1996, 239, 302-309.	0.2	28
137	Coenzyme a in purified peroxisomes is not freely soluble in the matrix but firmly bound to a matrix protein. Biochemical and Biophysical Research Communications, 1986, 139, 1195-1201.	2.1	27
138	Identification, purification and characterization of an acetoacetyl-CoA thiolase from rat liver peroxisomes. FEBS Journal, 2000, 267, 2981-2990.	0.2	27
139	Identification of PEX5p-related novel peroxisome-targeting signal 1 (PTS1)-binding proteins in mammals. Biochemical Journal, 2001, 357, 635.	3.7	27
140	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
141	Functional peroxisomes are required for Î²-cell integrity in mice. Molecular Metabolism, 2019, 22, 71-83.	6.5	27
142	Comparison of the stability and substrate specificity of purified peroxisomal 3-oxoacyl-CoA thiolases A and B from rat liver. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 1999, 1437, 136-141.	2.4	26
143	N-Acetyl-sphingenine-1-phosphate is a potent calcium mobilizing agent. FEBS Letters, 1999, 453, 269-272.	2.8	26
144	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

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145	Hematopoietic Sphingosine 1-Phosphate Lyase Deficiency Decreases Atherosclerotic Lesion Development in LDL-Receptor Deficient Mice. PLoS ONE, 2013, 8, e63360.	2.5	26
146	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
147	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
148	Human long chain, very long chain and medium chain acyl-CoA dehydrogenases are specific for the S-enantiomer of 2- methylpentadecanoyl-CoA. Lipids and Lipid Metabolism, 1998, 1390, 333-338.	2.6	24
149	Enhanced Ca2+ storage in sphingosine-1-phosphate lyase-deficient fibroblasts. Cellular Signalling, 2010, 22, 476-483.	3.6	24
150	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
151	Evidence for the existence of a pristanoyl-CoA oxidase gene in man. Biochemical Journal, 1997, 325, 593-599.	3.7	23
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