Michael Schrader

List of Publications by Year
in descending order

88 papers	6,080 citations	76326 40 h-index	74163 75 g-index
91 all docs	91 docs citations	91 times ranked	6128 citing authors

#	Article	IF	Citations
1	Regulating peroxisomeâ€"ER contacts via the ACBD5-VAPB tether by FFAT motif phosphorylation and GSK3Î². Journal of Cell Biology, 2022, 221, .	5.2	24
2	Determinants of Peroxisome Membrane Dynamics. Frontiers in Physiology, 2022, 13, 834411.	2.8	18
3	Insights Into the Peroxisomal Protein Inventory of Zebrafish. Frontiers in Physiology, 2022, 13, 822509.	2.8	8
4	Multiple Ways to Keep FFAT Under Control!. Contact (Thousand Oaks (Ventura County, Calif)), 2022, 5, 251525642211012.	1.3	1
5	PEX11Î² and FIS1 cooperate in peroxisome division independently of mitochondrial fission factor. Journal of Cell Science, 2022, 135, .	2.0	12
6	Fission Impossible (?)â€"New Insights into Disorders of Peroxisome Dynamics. Cells, 2022, 11, 1922.	4.1	5
7	Organelle interplayâ€"peroxisome interactions in health and disease. Journal of Inherited Metabolic Disease, 2020, 43, 71-89.	3.6	85
8	The diversity of ACBD proteins â€" From lipid binding to protein modulators and organelle tethers. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118675.	4.1	29
9	A Functional SMAD2/3 Binding Site in the PEX11Î² Promoter Identifies a Role for TGFÎ² in Peroxisome Proliferation in Humans. Frontiers in Cell and Developmental Biology, 2020, 8, 577637.	3.7	9
10	Maintaining social contacts: The physiological relevance of organelle interactions. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118800.	4.1	52
11	Mitochondrial fission factor (MFF) is a critical regulator of peroxisome maturation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118709.	4.1	26
12	A lipophilic cation protects crops against fungal pathogens by multiple modes of action. Nature Communications, 2020, 11, 1608.	12.8	31
13	Histochemistry and Cell Biology: 61Âyears and not tired at all. Histochemistry and Cell Biology, 2019, 152, 1-11.	1.7	6
14	Fluorescent Tools to Analyze Peroxisomeâ€"Endoplasmic Reticulum Interactions in Mammalian Cells. Contact (Thousand Oaks (Ventura County, Calif)), 2019, 2, 251525641984864.	1.3	13
15	Co-regulation map of the human proteome enables identification of protein functions. Nature Biotechnology, 2019, 37, 1361-1371.	17.5	106
16	Unloosing the Gordian knot of peroxisome formation. Current Opinion in Cell Biology, 2018, 50, 50-56.	5.4	18
17	A role for Mitochondrial Rho GTPase 1 (MIRO1) in motility and membrane dynamics of peroxisomes. Traffic, 2018, 19, 229-242.	2.7	74
18	Miro1 â€" the missing link to peroxisome motility. Communicative and Integrative Biology, 2018, 11, e1526573.	1.4	6

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19	Intracellular redistribution of neuronal peroxisomes in response to ACBD5 expression. PLoS ONE, 2018, 13, e0209507.	2.5	12
20	Multi-localized Proteins: The Peroxisome-Mitochondria Connection. Sub-Cellular Biochemistry, 2018, 89, 383-415.	2.4	26
21	The peroxisome: an update on mysteries 2.0. Histochemistry and Cell Biology, 2018, 150, 443-471.	1.7	217
22	ACBD5 and VAPB mediate membrane associations between peroxisomes and the ER. Journal of Cell Biology, 2017, 216, 331-342.	5.2	193
23	ACBD5 deficiency causes a defect in peroxisomal very long-chain fatty acid metabolism. Journal of Medical Genetics, 2017, 54, 330-337.	3.2	90
24	Determination of Peroxisomal pH in Living Mammalian Cells Using pHRed. Methods in Molecular Biology, 2017, 1595, 181-189.	0.9	6
25	The making of a mammalian peroxisome, version 2.0: mitochondria get into the mix. Cell Death and Differentiation, 2017, 24, 1148-1152.	11.2	15
26	Labeling of Peroxisomes for Live Cell Imaging in the Filamentous Fungus Ustilago maydis. Methods in Molecular Biology, 2017, 1595, 131-150.	0.9	0
27	siRNA-mediated Silencing of Peroxisomal Genes in Mammalian Cells. Methods in Molecular Biology, 2017, 1595, 69-79.	0.9	2
28	Peroxisomal ACBD4 interacts with VAPB and promotes ER-peroxisome associations. Cell Cycle, 2017, 16, 1039-1045.	2.6	69
29	Detection and Immunolabeling of Peroxisomal Proteins. Methods in Molecular Biology, 2017, 1595, 113-130.	0.9	5
30	The respiratory chain inhibitor rotenone affects peroxisomal dynamics via its microtubule-destabilising activity. Histochemistry and Cell Biology, 2017, 148, 331-341.	1.7	28
31	Deleterious variants in TRAK1 disrupt mitochondrial movement and cause fatal encephalopathy. Brain, 2017, 140, 568-581.	7.6	53
32	Predicting the targeting of tail-anchored proteins to subcellular compartments in mammalian cells. Journal of Cell Science, 2017, 130, 1675-1687.	2.0	94
33	Peroxisome Motility Measurement and Quantification Assay. Bio-protocol, 2017, 7, .	0.4	6
34	Addendum to the paper: Proteoglycans support proper granule formation in pancreatic AR42J cells. Histochemistry and Cell Biology, 2016, 146, 115-115.	1.7	0
35	Active diffusion and microtubule-based transport oppose myosin forces to position organelles in cells. Nature Communications, 2016, 7, 11814.	12.8	69
36	Peroxisomes are platforms for cytomegalovirusâ€™ evasion from the cellular immune response. Scientific Reports, 2016, 6, 26028.	3.3	38

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37	Proliferation and fission of peroxisomes â€" An update. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 971-983.	4.1	137
38	The different facets of organelle interplayâ€"an overview of organelle interactions. Frontiers in Cell and Developmental Biology, 2015, 3, 56.	3.7	159
39	The membrane remodeling protein Pex11p activates the GTPase Dnm1p during peroxisomal fission. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6377-6382.	7.1	69
40	Peroxisomes, lipid droplets, and endoplasmic reticulum â€œhitchhikeâ€•on motile early endosomes. Journal of Cell Biology, 2015, 211, 945-954.	5.2	129
41	Peroxisomeâ€mitochondria interplay and disease. Journal of Inherited Metabolic Disease, 2015, 38, 681-702.	3.6	171
42	Proteoglycans support proper granule formation in pancreatic acinar cells. Histochemistry and Cell Biology, 2015, 144, 331-346.	1.7	9
43	New insights into the peroxisomal protein inventory: Acyl-CoA oxidases and -dehydrogenases are an ancient feature of peroxisomes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 111-125.	4.1	49
44	Peroxisome Interactions and Cross-Talk with Other Subcellular Compartments in Animal Cells. Sub-Cellular Biochemistry, 2013, 69, 1-22.	2.4	79
45	Charcotâ€Marieâ€Tooth diseaseâ€associated mutants of GDAP1 dissociate its roles in peroxisomal and mitochondrial fission. EMBO Reports, 2013, 14, 545-552.	4.5	84
46	Self-Interaction of Human Pex11pÎ² during Peroxisomal Growth and Division. PLoS ONE, 2013, 8, e53424.	2.5	24
47	Transient complex peroxisomal interactions. Communicative and Integrative Biology, 2012, 5, 534-537.	1.4	5
48	Cytochemical Detection of Peroxisomes and Mitochondria. Methods in Molecular Biology, 2012, 931, 467-482.	0.9	18
49	Postfixation detergent treatment liberates the membrane modelling protein Pex11Î² from peroxisomal membranes. Histochemistry and Cell Biology, 2012, 138, 541-547.	1.7	18
50	The peroxisome: an update on mysteries. Histochemistry and Cell Biology, 2012, 137, 547-574.	1.7	188
51	Transient Complex Interactions of Mammalian Peroxisomes Without Exchange of Matrix or Membrane Marker Proteins. Traffic, 2012, 13, 960-978.	2.7	30
52	Modulating zymogen granule formation in pancreatic AR42J cells. Experimental Cell Research, 2012, 318, 1855-1866.	2.6	3
53	Peroxisomes. Current Biology, 2011, 21, R800-R801.	3.9	9
54	Pex11pÎ²-mediated maturation of peroxisomes. Communicative and Integrative Biology, 2011, 4, 51-54.	1.4	13

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55	Dynamin-like protein 1 at the Golgi complex: A novel component of the sorting/targeting machinery en route to the plasma membrane. Experimental Cell Research, 2010, 316, 3454-3467.	2.6	25
56	Pex11pÎ²-mediated growth and division of mammalian peroxisomes follows a maturation pathway. Journal of Cell Science, 2010, 123, 2750-2762.	2.0	86
57	Proteomic analysis of zymogen granules. Expert Review of Proteomics, 2010, 7, 735-747.	3.0	9
58	Analysis of Low Abundance Membrane-Associated Proteins from Rat Pancreatic Zymogen Granules. Journal of Proteome Research, 2010, 9, 4927-4939.	3.7	13
59	Biogenesis of peroxisomes and mitochondria: linked by division. Histochemistry and Cell Biology, 2009, 131, 441-446.	1.7	68
60	Reactive oxygen species and peroxisomes: Struggling for balance. BioFactors, 2009, 35, 346-355.	5.4	228
61	The peroxisome: still a mysterious organelle. Histochemistry and Cell Biology, 2008, 129, 421-440.	1.7	161
62	Rab8 is Involved in Zymogen Granule Formation in Pancreatic Acinar AR42J Cells. Traffic, 2008, 9, 964-979.	2.7	23
63	6-Hydroxydopamine (6-OHDA) induces Drp1-dependent mitochondrial fragmentation in SH-SY5Y cells. Free Radical Biology and Medicine, 2008, 44, 1960-1969.	2.9	142
64	Targeting of hFis1 to Peroxisomes Is Mediated by Pex19p. Journal of Biological Chemistry, 2008, 283, 31107-31115.	3.4	73
65	Mitochondria and peroxisomes: Are the â€˜Big Brotherâ€™ and the â€˜Little Sisterâ€™ closer than assumed?. BioEssays, 2007, 29, 1105-1114.	2.5	127
66	Growth and Division of Peroxisomes. International Review of Cytology, 2006, 255, 237-290.	6.2	88
67	Shared components of mitochondrial and peroxisomal division. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 531-541.	4.1	120
68	Peroxisomes and oxidative stress. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1755-1766.	4.1	641
69	Elongation of Peroxisomes as an Indicator for Efficient Dynamin-like Protein 1 Knock Down in Mammalian Cells. Journal of Histochemistry and Cytochemistry, 2005, 53, 1037-1040.	2.5	8
70	Assay and Functional Analysis of Dynaminâ€Like Protein 1 in Peroxisome Division. Methods in Enzymology, 2005, 404, 586-597.	1.0	3
71	A Role for Fis1 in Both Mitochondrial and Peroxisomal Fission in Mammalian Cells. Molecular Biology of the Cell, 2005, 16, 5077-5086.	2.1	288
72	Peroxisome elongation and constriction but not fission can occur independently of dynamin-like protein 1. Journal of Cell Science, 2004, 117, 3995-4006.	2.0	162

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73	Mammalian peroxisomes and reactive oxygen species. Histochemistry and Cell Biology, 2004, 122, 383-393.	1.7	152
74	Membrane Targeting in Secretion. Sub-Cellular Biochemistry, 2004, 37, 391-421.	2.4	12
75	Peroxisomal motility and interaction with microtubules. Microscopy Research and Technique, 2003, 61, 171-178.	2.2	52
76	Dynamin-like Protein 1 Is Involved in Peroxisomal Fission. Journal of Biological Chemistry, 2003, 278, 8597-8605.	3.4	329
77	Interaction of syncollin with GP-2, the major membrane protein of pancreatic zymogen granules, and association with lipid microdomains. Biochemical Journal, 2002, 362, 433.	3.7	24
78	Interaction of syncollin with GP-2, the major membrane protein of pancreatic zymogen granules, and association with lipid microdomains. Biochemical Journal, 2002, 362, 433-442.	3.7	35
79	Regulated Apical Secretion of Zymogens in Rat Pancreas. Journal of Biological Chemistry, 2001, 276, 14315-14323.	3.4	71
80	Tubulo-Reticular Clusters of Peroxisomes in Living COS-7 Cells. Journal of Histochemistry and Cytochemistry, 2001, 49, 1421-1429.	2.5	77
81	Interaction of peroxisomes with microtubules. FEBS Journal, 2000, 267, 6264-6275.	0.2	27
82	SH3 Binding Sites of ZG29p Mediate an Interaction with Amylase and Are Involved in Condensationâ˘Sorting in the Exocrine Rat Pancreas. Biochemistry, 2000, 39, 9893-9900.	2.5	21
83	Induction of Tubular Peroxisomes by UV Irradiation and Reactive Oxygen Species in HepG2 Cells. Journal of Histochemistry and Cytochemistry, 1999, 47, 1141-1148.	2.5	50
84	Tubular peroxisomes in HepG2 cells: Selective induction by growth factors and arachidonic acid. European Journal of Cell Biology, 1998, 75, 87-96.	3.6	42
85	Expression of PEX11Î² Mediates Peroxisome Proliferation in the Absence of Extracellular Stimuli. Journal of Biological Chemistry, 1998, 273, 29607-29614.	3.4	239
86	The Importance of Microtubules in Determination of Shape and Intracellular Distribution of Peroxisomes. Annals of the New York Academy of Sciences, 1996, 804, 669-671.	3.8	9
87	Effects of fixation on the preservation of peroxisomal structures for immunofluorescence studies using HepG2 cells as a model system. The Histochemical Journal, 1995, 27, 615-619.	0.6	20
88	VAP Proteins â€" From Organelle Tethers to Pathogenic Host Interactors and Their Role in Neuronal Disease. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	14