

# Suresh Subramani

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52  
papers

3,300  
citations

31  
h-index

57  
g-index

57  
ext. papers

3,753  
ext. citations

9.3  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
52	Balancing the Opposing Principles That Govern Peroxisome Homeostasis. <i>Trends in Biochemical Sciences</i> , <b>2021</b> , 46, 200-212	10.3	8
51	The autophagic degradation of cytosolic pools of peroxisomal proteins by a new selective pathway. <i>Autophagy</i> , <b>2020</b> , 16, 154-166	10.2	6
50	Mechanistic Insights into the Role of Atg11 in Selective Autophagy. <i>Journal of Molecular Biology</i> , <b>2020</b> , 432, 104-122	6.5	23
49	Late-onset retinal degeneration pathology due to mutations in CTRP5 is mediated through HTRA1. <i>Aging Cell</i> , <b>2019</b> , 18, e13011	9.9	9
48	Peroxisome biogenesis, membrane contact sites, and quality control. <i>EMBO Reports</i> , <b>2019</b> , 20,	6.5	51
47	The Roles of Ubiquitin-Binding Protein Shuttles in the Degradative Fate of Ubiquitinated Proteins in the Ubiquitin-Proteasome System and Autophagy. <i>Cells</i> , <b>2019</b> , 8,	7.9	49
46	Pex3 and Atg37 compete to regulate the interaction between the pexophagy receptor, Atg30, and the Hrr25 kinase. <i>Autophagy</i> , <b>2018</b> , 14, 368-384	10.2	20
45	AIM/LIR-based fluorescent sensors-new tools to monitor mAtg8 functions. <i>Autophagy</i> , <b>2018</b> , 14, 1074-1078	10.2	6
44	TRIM37 deficiency induces autophagy through deregulating the MTORC1-TFEB axis. <i>Autophagy</i> , <b>2018</b> , 14, 1574-1585	10.2	18
43	Active Interaction Mapping Reveals the Hierarchical Organization of Autophagy. <i>Molecular Cell</i> , <b>2017</b> , 65, 761-774.e5	17.6	22
42	Active Interaction Mapping as a tool to elucidate hierarchical functions of biological processes. <i>Autophagy</i> , <b>2017</b> , 13, 1248-1249	10.2	
41	Functional regions of the peroxin Pex19 necessary for peroxisome biogenesis. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 11547-11560	5.4	17
40	Role of PEX5 ubiquitination in maintaining peroxisome dynamics and homeostasis. <i>Cell Cycle</i> , <b>2017</b> , 16, 2037-2045	4.7	24
39	A New Yeast Peroxin, Pex36, a Functional Homolog of Mammalian PEX16, Functions in the ER-to-Peroxisome Traffic of Peroxisomal Membrane Proteins. <i>Journal of Molecular Biology</i> , <b>2017</b> , 429, 3743-3762	6.5	19
38	TRIM37, a novel E3 ligase for PEX5-mediated peroxisomal matrix protein import. <i>Journal of Cell Biology</i> , <b>2017</b> , 216, 2843-2858	7.3	37
37	Distinct requirements for intra-ER sorting and budding of peroxisomal membrane proteins from the ER. <i>Journal of Cell Biology</i> , <b>2016</b> , 212, 335-48	7.3	34
36	De novo peroxisome biogenesis: Evolving concepts and conundrums. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 892-901	4.9	70

35	Mechanistic insights into selective autophagy pathways: lessons from yeast. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 17, 537-52	48.7	226
34	Autophagic degradation of peroxisomes in mammals. <i>Biochemical Society Transactions</i> , <b>2016</b> , 44, 431-40	5.1	46
33	Role of actin in shaping autophagosomes. <i>Autophagy</i> , <b>2016</b> , 12, 2512-2515	10.2	13
32	Evolutionary trends and functional anatomy of the human expanded autophagy network. <i>Autophagy</i> , <b>2015</b> , 11, 1652-67	10.2	20
31	Peroxisomal Pex3 activates selective autophagy of peroxisomes via interaction with the pexophagy receptor Atg30. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 8623-31	5.4	38
30	A mammalian pexophagy target. <i>Nature Cell Biology</i> , <b>2015</b> , 17, 1371-3	23.4	16
29	The unique degradation pathway of the PTS2 receptor, Pex7, is dependent on the PTS receptor/coreceptor, Pex5 and Pex20. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 2634-43	3.5	17
28	Peroxisomal Atg37 binds Atg30 or palmitoyl-CoA to regulate phagophore formation during pexophagy. <i>Journal of Cell Biology</i> , <b>2014</b> , 204, 541-57	7.3	80
27	Non-autophagic roles of autophagy-related proteins. <i>EMBO Reports</i> , <b>2013</b> , 14, 143-51	6.5	215
26	Phosphorylation of mitophagy and pexophagy receptors coordinates their interaction with Atg8 and Atg11. <i>EMBO Reports</i> , <b>2013</b> , 14, 441-9	6.5	121
25	Emerging role of the endoplasmic reticulum in peroxisome biogenesis. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 286	4.6	37
24	Redox-regulated cargo binding and release by the peroxisomal targeting signal receptor, Pex5. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 27220-27231	5.4	57
23	Recent advances in peroxisomal matrix protein import. <i>Current Opinion in Cell Biology</i> , <b>2012</b> , 24, 484-9	9	48
22	Pexophagy: the selective degradation of peroxisomes. <i>International Journal of Cell Biology</i> , <b>2012</b> , 2012, 512721	2.6	120
21	Phosphorylation-dependent Pex11p and Fis1p interaction regulates peroxisome division. <i>Molecular Biology of the Cell</i> , <b>2012</b> , 23, 1307-15	3.5	37
20	Peroxisome assembly: matrix and membrane protein biogenesis. <i>Journal of Cell Biology</i> , <b>2011</b> , 193, 7-16	7.3	139
19	Cell-free sorting of peroxisomal membrane proteins from the endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 9113-8	11.5	84
18	The peroxisomal matrix import of Pex8p requires only PTS receptors and Pex14p. <i>Molecular Biology of the Cell</i> , <b>2009</b> , 20, 3680-9	3.5	51

17	The Role of Shuttling Targeting Signal Receptors and Heat-Shock Proteins in Peroxisomal Matrix Protein Import. <i>The Enzymes</i> , <b>2007</b> , 25, 525-540	2.3	
16	A ubiquitin-like protein involved in membrane fusion. <i>Cell</i> , <b>2007</b> , 130, 18-20	56.2	13
15	The importomer--a peroxisomal membrane complex involved in protein translocation into the peroxisome matrix. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2006</b> , 1763, 1613-9	4.9	49
14	Dynamics of the peroxisomal import cycle of PpPex20p: ubiquitin-dependent localization and regulation. <i>Journal of Cell Biology</i> , <b>2006</b> , 172, 67-78	7.3	104
13	Mxr1p, a key regulator of the methanol utilization pathway and peroxisomal genes in <i>Pichia pastoris</i> . <i>Molecular and Cellular Biology</i> , <b>2006</b> , 26, 883-97	4.8	118
12	The control of peroxisome number and size during division and proliferation. <i>Current Opinion in Cell Biology</i> , <b>2005</b> , 17, 376-83	9	101
11	Peroxisome remnants in pex3delta cells and the requirement of Pex3p for interactions between the peroxisomal docking and translocation subcomplexes. <i>Traffic</i> , <b>2002</b> , 3, 560-74	5.7	105
10	Hitchhiking fads en route to peroxisomes. <i>Journal of Cell Biology</i> , <b>2002</b> , 156, 415-7	7.3	20
9	Environmental response of yeast peroxisomes. Aspects of organelle assembly and degradation. <i>Cell Biochemistry and Biophysics</i> , <b>2000</b> , 32 Spring, 51-61	3.2	20
8	The peroxin Pex19p interacts with multiple, integral membrane proteins at the peroxisomal membrane. <i>Journal of Cell Biology</i> , <b>2000</b> , 149, 1171-8	7.3	91
7	Pex17p is required for import of both peroxisome membrane and luminal proteins and interacts with Pex19p and the peroxisome targeting signal-receptor docking complex in <i>Pichia pastoris</i> . <i>Molecular Biology of the Cell</i> , <b>1999</b> , 10, 4005-19	3.5	56
6	Pex19p interacts with Pex3p and Pex10p and is essential for peroxisome biogenesis in <i>Pichia pastoris</i> . <i>Molecular Biology of the Cell</i> , <b>1999</b> , 10, 1745-61	3.5	96
5	Isolation and characterization of Pas2p, a peroxisomal membrane protein essential for peroxisome biogenesis in the methylotrophic yeast <i>Pichia pastoris</i> . <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 18973-80	5.4	106
4	Protein import deficiencies in human peroxisomal disorders. <i>Molecular Genetic Medicine</i> , <b>1994</b> , 4, 119-52		17
3	Targeting efficiencies of various permutations of the consensus C-terminal tripeptide peroxisomal targeting signal. <i>FEBS Letters</i> , <b>1992</b> , 305, 133-6	3.8	108
2	Development of the yeast <i>Pichia pastoris</i> as a model organism for a genetic and molecular analysis of peroxisome assembly. <i>Yeast</i> , <b>1992</b> , 8, 613-28	3.4	199
1	Germ-line transmission of a disrupted beta 2-microglobulin gene produced by homologous recombination in embryonic stem cells. <i>Nature</i> , <b>1989</b> , 342, 435-8	50.4	319