

Suresh Subramani

List of Publications by Citations

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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	Germ-line transmission of a disrupted beta 2-microglobulin gene produced by homologous recombination in embryonic stem cells. <i>Nature</i> , 1989 , 342, 435-8	50.4	319
51	Mechanistic insights into selective autophagy pathways: lessons from yeast. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 537-52	48.7	226
50	Non-autophagic roles of autophagy-related proteins. <i>EMBO Reports</i> , 2013 , 14, 143-51	6.5	215
49	Development of the yeast <i>Pichia pastoris</i> as a model organism for a genetic and molecular analysis of peroxisome assembly. <i>Yeast</i> , 1992 , 8, 613-28	3.4	199
48	Peroxisome assembly: matrix and membrane protein biogenesis. <i>Journal of Cell Biology</i> , 2011 , 193, 7-16	7.3	139
47	Phosphorylation of mitophagy and pexophagy receptors coordinates their interaction with Atg8 and Atg11. <i>EMBO Reports</i> , 2013 , 14, 441-9	6.5	121
46	Pexophagy: the selective degradation of peroxisomes. <i>International Journal of Cell Biology</i> , 2012 , 2012, 512721	2.6	120
45	Mxr1p, a key regulator of the methanol utilization pathway and peroxisomal genes in <i>Pichia pastoris</i> . <i>Molecular and Cellular Biology</i> , 2006 , 26, 883-97	4.8	118
44	Targeting efficiencies of various permutations of the consensus C-terminal tripeptide peroxisomal targeting signal. <i>FEBS Letters</i> , 1992 , 305, 133-6	3.8	108
43	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> , 1996 , 271, 18973-80	5.4	106
42	Peroxisome remnants in pex3delta cells and the requirement of Pex3p for interactions between the peroxisomal docking and translocation subcomplexes. <i>Traffic</i> , 2002 , 3, 560-74	5.7	105
41	Dynamics of the peroxisomal import cycle of PpPex20p: ubiquitin-dependent localization and regulation. <i>Journal of Cell Biology</i> , 2006 , 172, 67-78	7.3	104
40	The control of peroxisome number and size during division and proliferation. <i>Current Opinion in Cell Biology</i> , 2005 , 17, 376-83	9	101
39	Pex19p interacts with Pex3p and Pex10p and is essential for peroxisome biogenesis in <i>Pichia pastoris</i> . <i>Molecular Biology of the Cell</i> , 1999 , 10, 1745-61	3.5	96
38	The peroxin Pex19p interacts with multiple, integral membrane proteins at the peroxisomal membrane. <i>Journal of Cell Biology</i> , 2000 , 149, 1171-8	7.3	91
37	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> , 2011 , 108, 9113-8	11.5	84
36	Peroxisomal Atg37 binds Atg30 or palmitoyl-CoA to regulate phagophore formation during pexophagy. <i>Journal of Cell Biology</i> , 2014 , 204, 541-57	7.3	80

35	De novo peroxisome biogenesis: Evolving concepts and conundrums. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 892-901	4.9	70
34	Redox-regulated cargo binding and release by the peroxisomal targeting signal receptor, Pex5. <i>Journal of Biological Chemistry</i> , 2013 , 288, 27220-27231	5.4	57
33	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> , 1999 , 10, 4005-19	3.5	56
32	The peroxisomal matrix import of Pex8p requires only PTS receptors and Pex14p. <i>Molecular Biology of the Cell</i> , 2009 , 20, 3680-9	3.5	51
31	Peroxisome biogenesis, membrane contact sites, and quality control. <i>EMBO Reports</i> , 2019 , 20,	6.5	51
30	The importomer--a peroxisomal membrane complex involved in protein translocation into the peroxisome matrix. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006 , 1763, 1613-9	4.9	49
29	The Roles of Ubiquitin-Binding Protein Shuttles in the Degradative Fate of Ubiquitinated Proteins in the Ubiquitin-Proteasome System and Autophagy. <i>Cells</i> , 2019 , 8,	7.9	49
28	Recent advances in peroxisomal matrix protein import. <i>Current Opinion in Cell Biology</i> , 2012 , 24, 484-9	9	48
27	Autophagic degradation of peroxisomes in mammals. <i>Biochemical Society Transactions</i> , 2016 , 44, 431-40	5.1	46
26	Peroxisomal Pex3 activates selective autophagy of peroxisomes via interaction with the pexophagy receptor Atg30. <i>Journal of Biological Chemistry</i> , 2015 , 290, 8623-31	5.4	38
25	TRIM37, a novel E3 ligase for PEX5-mediated peroxisomal matrix protein import. <i>Journal of Cell Biology</i> , 2017 , 216, 2843-2858	7.3	37
24	Emerging role of the endoplasmic reticulum in peroxisome biogenesis. <i>Frontiers in Physiology</i> , 2013 , 4, 286	4.6	37
23	Phosphorylation-dependent Pex11p and Fis1p interaction regulates peroxisome division. <i>Molecular Biology of the Cell</i> , 2012 , 23, 1307-15	3.5	37
22	Distinct requirements for intra-ER sorting and budding of peroxisomal membrane proteins from the ER. <i>Journal of Cell Biology</i> , 2016 , 212, 335-48	7.3	34
21	Role of PEX5 ubiquitination in maintaining peroxisome dynamics and homeostasis. <i>Cell Cycle</i> , 2017 , 16, 2037-2045	4.7	24
20	Mechanistic Insights into the Role of Atg11 in Selective Autophagy. <i>Journal of Molecular Biology</i> , 2020 , 432, 104-122	6.5	23
19	Active Interaction Mapping Reveals the Hierarchical Organization of Autophagy. <i>Molecular Cell</i> , 2017 , 65, 761-774.e5	17.6	22
18	Evolutionary trends and functional anatomy of the human expanded autophagy network. <i>Autophagy</i> , 2015 , 11, 1652-67	10.2	20

17	Pex3 and Atg37 compete to regulate the interaction between the pexophagy receptor, Atg30, and the Hrr25 kinase. <i>Autophagy</i> , 2018 , 14, 368-384	10.2	20
16	Hitchhiking fads en route to peroxisomes. <i>Journal of Cell Biology</i> , 2002 , 156, 415-7	7.3	20
15	Environmental response of yeast peroxisomes. Aspects of organelle assembly and degradation. <i>Cell Biochemistry and Biophysics</i> , 2000 , 32 Spring, 51-61	3.2	20
14	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> , 2017 , 429, 3743-3762	6.5	19
13	TRIM37 deficiency induces autophagy through deregulating the MTORC1-TFEB axis. <i>Autophagy</i> , 2018 , 14, 1574-1585	10.2	18
12	Functional regions of the peroxin Pex19 necessary for peroxisome biogenesis. <i>Journal of Biological Chemistry</i> , 2017 , 292, 11547-11560	5.4	17
11	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> , 2014 , 25, 2634-43	3.5	17
10	Protein import deficiencies in human peroxisomal disorders. <i>Molecular Genetic Medicine</i> , 1994 , 4, 119-52		17
9	A mammalian pexophagy target. <i>Nature Cell Biology</i> , 2015 , 17, 1371-3	23.4	16
8	A ubiquitin-like protein involved in membrane fusion. <i>Cell</i> , 2007 , 130, 18-20	56.2	13
7	Role of actin in shaping autophagosomes. <i>Autophagy</i> , 2016 , 12, 2512-2515	10.2	13
6	Late-onset retinal degeneration pathology due to mutations in CTRP5 is mediated through HTRA1. <i>Aging Cell</i> , 2019 , 18, e13011	9.9	9
5	Balancing the Opposing Principles That Govern Peroxisome Homeostasis. <i>Trends in Biochemical Sciences</i> , 2021 , 46, 200-212	10.3	8
4	AIM/LIR-based fluorescent sensors-new tools to monitor mAtg8 functions. <i>Autophagy</i> , 2018 , 14, 1074-1078	10.2	6
3	The autophagic degradation of cytosolic pools of peroxisomal proteins by a new selective pathway. <i>Autophagy</i> , 2020 , 16, 154-166	10.2	6
2	Active Interaction Mapping as a tool to elucidate hierarchical functions of biological processes. <i>Autophagy</i> , 2017 , 13, 1248-1249	10.2	
1	The Role of Shuttling Targeting Signal Receptors and Heat-Shock Proteins in Peroxisomal Matrix Protein Import. <i>The Enzymes</i> , 2007 , 25, 525-540	2.3	