Walter Neupert

List of Publications by Year in Descending Order

24 papers	2,772 citations	20 h-index	28 g-index
28 ext. papers	3,031 ext. citations	15.7 avg, IF	4.86 L-index

#	Paper	IF	Citations
24	A mutagenesis analysis of Tim50, the major receptor of the TIM23 complex, identifies regions that affect its interaction with Tim23. *Scientific Reports*, **2019**, 9, 2012	4.9	8
23	Cytosolic Protein Vms1 Links Ribosome Quality Control to Mitochondrial and Cellular Homeostasis. *Cell*, **2017**, 171, 890-903.e18	56.2	86
22	Role of Tim17 in coupling the import motor to the translocation channel of the mitochondrial presequence translocase. *ELife*, **2017**, 6,	8.9	20
21	An evidence based hypothesis on the existence of two pathways of mitochondrial crista formation. *ELife*, **2016**, 5,	8.9	54
20	Mitochondrial Gene Expression: A Playground of Evolutionary Tinkering. *Annual Review of Biochemistry*, **2016**, 85, 65-76	29.1	20
19	Cooperation of TOM and TIM23 complexes during translocation of proteins into mitochondria. *Journal of Molecular Biology*, **2015**, 427, 1075-84	6.5	36
18	Cell biology: Architecture of a protein entry gate. *Nature*, **2015**, 528, 201-2	50.4	13
17	GxxxG motifs hold the TIM23 complex together. *FEBS Journal*, **2015**, 282, 2178-86	5.7	23
16	Parallel Structural Evolution of Mitochondrial Ribosomes and OXPHOS Complexes. *Genome Biology and Evolution*, **2015**, 7, 1235-51	3.9	58
15	A perspective on transport of proteins into mitochondria: a myriad of open questions. *Journal of Molecular Biology*, **2015**, 427, 1135-58	6.5	81
14	Aim24 and MICOS modulate respiratory function, tafazzin-related cardiolipin modification and mitochondrial architecture. *ELife*, **2014**, 3, e01684	8.9	54
13	SnapShot: Mitochondrial architecture. *Cell*, **2012**, 149, 722-722.e1	56.2	16
12	Direct interaction of mitochondrial targeting presequences with purified components of the TIM23 protein complex. *Journal of Biological Chemistry*, **2011**, 286, 43809-43815	5.4	46
11	The mitochondrial contact site complex, a determinant of mitochondrial architecture. *EMBO Journal*, **2011**, 30, 4356-70	13	315
10	Formation of cristae and crista junctions in mitochondria depends on antagonism between Fcj1 and Su e/g. *Journal of Cell Biology*, **2009**, 185, 1047-63	7.3	217
9	Role of Tim50 in the transfer of precursor proteins from the outer to the inner membrane of mitochondria. *Molecular Biology of the Cell*, **2009**, 20, 1400-7	3.5	83
8	Interaction of Tim23 with Tim50 Is essential for protein translocation by the mitochondrial TIM23 complex. *Journal of Biological Chemistry*, **2009**, 284, 4865-72	5.4	50

7	Distinct roles of the two isoforms of the dynamin-like GTPase Mgm1 in mitochondrial fusion. *FEBS Letters*, **2009**, 583, 2237-43	3.8	71
6	Active remodelling of the TIM23 complex during translocation of preproteins into mitochondria. *EMBO Journal*, **2008**, 27, 1469-80	13	103
5	Dynamic subcompartmentalization of the mitochondrial inner membrane. *Journal of Cell Biology*, **2006**, 175, 237-47	7.3	285
4	The J domain-related cochaperone Tim16 is a constituent of the mitochondrial TIM23 preprotein translocase. *Nature Structural and Molecular Biology*, **2004**, 11, 234-41	17.6	146
3	Tim14, a novel key component of the import motor of the TIM23 protein translocase of mitochondria. *EMBO Journal*, **2003**, 22, 4945-56	13	172
2	Connection of the mitochondrial outer and inner membranes by Fzo1 is critical for organellar fusion. *Journal of Cell Biology*, **2001**, 152, 683-92	7.3	121
1	Requirement for hsp70 in the mitochondrial matrix for translocation and folding of precursor proteins. *Nature*, **1990**, 348, 137-43	50.4	694