

Walter Neupert

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.

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 | Requirement for hsp70 in the mitochondrial matrix for translocation and folding of precursor proteins. <i>Nature</i> , 1990 , 348, 137-43 | 50.4 | 694 |
| 23 | The mitochondrial contact site complex, a determinant of mitochondrial architecture. <i>EMBO Journal</i> , 2011 , 30, 4356-70 | 13 | 315 |
| 22 | Dynamic subcompartmentalization of the mitochondrial inner membrane. <i>Journal of Cell Biology</i> , 2006 , 175, 237-47 | 7.3 | 285 |
| 21 | Formation of cristae and crista junctions in mitochondria depends on antagonism between Fcj1 and Su e/g. <i>Journal of Cell Biology</i> , 2009 , 185, 1047-63 | 7.3 | 217 |
| 20 | Tim14, a novel key component of the import motor of the TIM23 protein translocase of mitochondria. <i>EMBO Journal</i> , 2003 , 22, 4945-56 | 13 | 172 |
| 19 | The J domain-related cochaperone Tim16 is a constituent of the mitochondrial TIM23 preprotein translocase. <i>Nature Structural and Molecular Biology</i> , 2004 , 11, 234-41 | 17.6 | 146 |
| 18 | Connection of the mitochondrial outer and inner membranes by Fzo1 is critical for organellar fusion. <i>Journal of Cell Biology</i> , 2001 , 152, 683-92 | 7.3 | 121 |
| 17 | Active remodelling of the TIM23 complex during translocation of preproteins into mitochondria. <i>EMBO Journal</i> , 2008 , 27, 1469-80 | 13 | 103 |
| 16 | Cytosolic Protein Vms1 Links Ribosome Quality Control to Mitochondrial and Cellular Homeostasis. <i>Cell</i> , 2017 , 171, 890-903.e18 | 56.2 | 86 |
| 15 | Role of Tim50 in the transfer of precursor proteins from the outer to the inner membrane of mitochondria. <i>Molecular Biology of the Cell</i> , 2009 , 20, 1400-7 | 3.5 | 83 |
| 14 | A perspective on transport of proteins into mitochondria: a myriad of open questions. <i>Journal of Molecular Biology</i> , 2015 , 427, 1135-58 | 6.5 | 81 |
| 13 | Distinct roles of the two isoforms of the dynamin-like GTPase Mgm1 in mitochondrial fusion. <i>FEBS Letters</i> , 2009 , 583, 2237-43 | 3.8 | 71 |
| 12 | Parallel Structural Evolution of Mitochondrial Ribosomes and OXPHOS Complexes. <i>Genome Biology and Evolution</i> , 2015 , 7, 1235-51 | 3.9 | 58 |
| 11 | Aim24 and MICOS modulate respiratory function, tafazzin-related cardiolipin modification and mitochondrial architecture. <i>ELife</i> , 2014 , 3, e01684 | 8.9 | 54 |
| 10 | An evidence based hypothesis on the existence of two pathways of mitochondrial crista formation. <i>ELife</i> , 2016 , 5, | 8.9 | 54 |
| 9 | Interaction of Tim23 with Tim50 Is essential for protein translocation by the mitochondrial TIM23 complex. <i>Journal of Biological Chemistry</i> , 2009 , 284, 4865-72 | 5.4 | 50 |
| 8 | Direct interaction of mitochondrial targeting presequences with purified components of the TIM23 protein complex. <i>Journal of Biological Chemistry</i> , 2011 , 286, 43809-43815 | 5.4 | 46 |

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|---|--|------|----|
| 7 | Cooperation of TOM and TIM23 complexes during translocation of proteins into mitochondria. <i>Journal of Molecular Biology</i> , 2015 , 427, 1075-84 | 6.5 | 36 |
| 6 | GxxxG motifs hold the TIM23 complex together. <i>FEBS Journal</i> , 2015 , 282, 2178-86 | 5.7 | 23 |
| 5 | Role of Tim17 in coupling the import motor to the translocation channel of the mitochondrial presequence translocase. <i>ELife</i> , 2017 , 6, | 8.9 | 20 |
| 4 | Mitochondrial Gene Expression: A Playground of Evolutionary Tinkering. <i>Annual Review of Biochemistry</i> , 2016 , 85, 65-76 | 29.1 | 20 |
| 3 | SnapShot: Mitochondrial architecture. <i>Cell</i> , 2012 , 149, 722-722.e1 | 56.2 | 16 |
| 2 | Cell biology: Architecture of a protein entry gate. <i>Nature</i> , 2015 , 528, 201-2 | 50.4 | 13 |
| 1 | A mutagenesis analysis of Tim50, the major receptor of the TIM23 complex, identifies regions that affect its interaction with Tim23. <i>Scientific Reports</i> , 2019 , 9, 2012 | 4.9 | 8 |