

Nils Wiedemann

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

4,120
citations

279798

23
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

3539
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial Machineries for Protein Import and Assembly. Annual Review of Biochemistry, 2017, 86, 685-714.	11.1	651
2	Mitochondrial proteins: from biogenesis to functional networks. Nature Reviews Molecular Cell Biology, 2019, 20, 267-284.	37.0	569
3	Definition of a High-Confidence Mitochondrial Proteome at Quantitative Scale. Cell Reports, 2017, 19, 2836-2852.	6.4	346
4	Machinery for protein sorting and assembly in the mitochondrial outer membrane. Nature, 2003, 424, 565-571.	27.8	344
5	An Essential Role of Sam50 in the Protein Sorting and Assembly Machinery of the Mitochondrial Outer Membrane. Journal of Biological Chemistry, 2003, 278, 48520-48523.	3.4	286
6	Dissecting Membrane Insertion of Mitochondrial β -Barrel Proteins. Cell, 2008, 132, 1011-1024.	28.9	276
7	Molecular architecture of the active mitochondrial protein gate. Science, 2015, 349, 1544-1548.	12.6	169
8	Biogenesis of the Protein Import Channel Tom40 of the Mitochondrial Outer Membrane. Journal of Biological Chemistry, 2004, 279, 18188-18194.	3.4	158
9	Structure of the mitochondrial import gate reveals distinct preprotein paths. Nature, 2019, 575, 395-401.	27.8	146
10	Sam35 of the Mitochondrial Protein Sorting and Assembly Machinery Is a Peripheral Outer Membrane Protein Essential for Cell Viability. Journal of Biological Chemistry, 2004, 279, 22781-22785.	3.4	120
11	Coupling of Mitochondrial Import and Export Translocases by Receptor-Mediated Supercomplex Formation. Cell, 2013, 154, 596-608.	28.9	115
12	Quantitative high-confidence human mitochondrial proteome and its dynamics in cellular context. Cell Metabolism, 2021, 33, 2464-2483.e18.	16.2	113
13	Membrane protein insertion through a mitochondrial β -barrel gate. Science, 2018, 359, .	12.6	111
14	Structural Basis of Membrane Protein Chaperoning through the Mitochondrial Intermembrane Space. Cell, 2018, 175, 1365-1379.e25.	28.9	87
15	Import of Proteins into Mitochondria. Methods in Cell Biology, 2007, 80, 783-806.	1.1	86
16	Sam37 is crucial for formation of the mitochondrial TOM-SAM supercomplex, thereby promoting β -barrel biogenesis. Journal of Cell Biology, 2015, 210, 1047-1054.	5.2	75
17	Separating mitochondrial protein assembly and endoplasmic reticulum tethering by selective coupling of Mdm10. Nature Communications, 2016, 7, 13021.	12.8	74
18	Assembly of β -barrel proteins in the mitochondrial outer membrane. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 74-88.	4.1	62

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19	Mitochondrial OXA Translocase Plays a Major Role in Biogenesis of Inner-Membrane Proteins. <i>Cell Metabolism</i> , 2016, 23, 901-908.	16.2	60
20	Mitochondrial sorting and assembly machinery operates by β -barrel switching. <i>Nature</i> , 2021, 590, 163-169.	27.8	60
21	Biogenesis of mitochondrial β -barrel proteins: the POTRA domain is involved in precursor release from the SAM complex. <i>Molecular Biology of the Cell</i> , 2011, 22, 2823-2833.	2.1	47
22	Identification of new channels by systematic analysis of the mitochondrial outer membrane. <i>Journal of Cell Biology</i> , 2017, 216, 3485-3495.	5.2	40
23	The mitochondrial carrier pathway transports non-canonical substrates with an odd number of transmembrane segments. <i>BMC Biology</i> , 2020, 18, 2.	3.8	34
24	Metabolic profiling of isolated mitochondria and cytoplasm reveals compartment-specific metabolic responses. <i>Metabolomics</i> , 2018, 14, 59.	3.0	23
25	The mitochondrial transporter SLC25A25 links ciliary TRPP2 signaling and cellular metabolism. <i>PLoS Biology</i> , 2018, 16, e2005651.	5.6	18
26	Biallelic variants in HPDL, encoding 4-hydroxyphenylpyruvate dioxygenase-like protein, lead to an infantile neurodegenerative condition. <i>Genetics in Medicine</i> , 2021, 23, 524-533.	2.4	17
27	Heat Stress-Induced Metabolic Remodeling in <i>Saccharomyces cerevisiae</i> . <i>Metabolites</i> , 2019, 9, 266.	2.9	16
28	Respiratory chain supercomplexes associate with the cysteine desulfurase complex of the iron-sulfur cluster assembly machinery. <i>Molecular Biology of the Cell</i> , 2018, 29, 776-785.	2.1	14