

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	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
2	Mitochondrial sorting and assembly machinery operates by β -barrel switching. <i>Nature</i> , 2021, 590, 163-169.	27.8	60
3	Quantitative high-confidence human mitochondrial proteome and its dynamics in cellular context. <i>Cell Metabolism</i> , 2021, 33, 2464-2483.e18.	16.2	113
4	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
5	Heat Stress-Induced Metabolic Remodeling in <i>Saccharomyces cerevisiae</i> . <i>Metabolites</i> , 2019, 9, 266.	2.9	16
6	Structure of the mitochondrial import gate reveals distinct preprotein paths. <i>Nature</i> , 2019, 575, 395-401.	27.8	146
7	Mitochondrial proteins: from biogenesis to functional networks. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 267-284.	37.0	569
8	Metabolic profiling of isolated mitochondria and cytoplasm reveals compartment-specific metabolic responses. <i>Metabolomics</i> , 2018, 14, 59.	3.0	23
9	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
10	Membrane protein insertion through a mitochondrial β -barrel gate. <i>Science</i> , 2018, 359, .	12.6	111
11	Structural Basis of Membrane Protein Chaperoning through the Mitochondrial Intermembrane Space. <i>Cell</i> , 2018, 175, 1365-1379.e25.	28.9	87
12	The mitochondrial transporter SLC25A25 links ciliary TRPP2 signaling and cellular metabolism. <i>PLoS Biology</i> , 2018, 16, e2005651.	5.6	18
13	Mitochondrial Machineries for Protein Import and Assembly. <i>Annual Review of Biochemistry</i> , 2017, 86, 685-714.	11.1	651
14	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
15	Definition of a High-Confidence Mitochondrial Proteome at Quantitative Scale. <i>Cell Reports</i> , 2017, 19, 2836-2852.	6.4	346
16	Mitochondrial OXA Translocase Plays a Major Role in Biogenesis of Inner-Membrane Proteins. <i>Cell Metabolism</i> , 2016, 23, 901-908.	16.2	60
17	Separating mitochondrial protein assembly and endoplasmic reticulum tethering by selective coupling of Mdm10. <i>Nature Communications</i> , 2016, 7, 13021.	12.8	74
18	Molecular architecture of the active mitochondrial protein gate. <i>Science</i> , 2015, 349, 1544-1548.	12.6	169

#	ARTICLE	IF	CITATIONS
19	Sam37 is crucial for formation of the mitochondrial TOM-SAM supercomplex, thereby promoting β -barrel biogenesis. <i>Journal of Cell Biology</i> , 2015, 210, 1047-1054.	5.2	75
20	Assembly of β -barrel proteins in the mitochondrial outer membrane. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 74-88.	4.1	62
21	Coupling of Mitochondrial Import and Export Translocases by Receptor-Mediated Supercomplex Formation. <i>Cell</i> , 2013, 154, 596-608.	28.9	115
22	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
23	Dissecting Membrane Insertion of Mitochondrial β -Barrel Proteins. <i>Cell</i> , 2008, 132, 1011-1024.	28.9	276
24	Import of Proteins into Mitochondria. <i>Methods in Cell Biology</i> , 2007, 80, 783-806.	1.1	86
25	Biogenesis of the Protein Import Channel Tom40 of the Mitochondrial Outer Membrane. <i>Journal of Biological Chemistry</i> , 2004, 279, 18188-18194.	3.4	158
26	Sam35 of the Mitochondrial Protein Sorting and Assembly Machinery Is a Peripheral Outer Membrane Protein Essential for Cell Viability. <i>Journal of Biological Chemistry</i> , 2004, 279, 22781-22785.	3.4	120
27	Machinery for protein sorting and assembly in the mitochondrial outer membrane. <i>Nature</i> , 2003, 424, 565-571.	27.8	344
28	An Essential Role of Sam50 in the Protein Sorting and Assembly Machinery of the Mitochondrial Outer Membrane. <i>Journal of Biological Chemistry</i> , 2003, 278, 48520-48523.	3.4	286