Friederike-Nora VÃ¶gtle

List of Publications by Year
in descending order

52 papers	3,020 citations	147801 31 h-index	189892 50 g-index
56 all docs	56 docs citations	56 times ranked	4206 citing authors

#	Article	IF	Citations
1	Global Analysis of the Mitochondrial N-Proteome Identifies a Processing Peptidase Critical for Protein Stability. Cell, 2009, 139, 428-439.	28.9	434
2	Rcf1 Mediates Cytochrome Oxidase Assembly and Respirasome Formation, Revealing Heterogeneity of the Enzyme Complex. Cell Metabolism, 2012, 15, 336-347.	16.2	195
3	Amyloid-Î² Peptide Induces Mitochondrial Dysfunction by Inhibition of Preprotein Maturation. Cell Metabolism, 2014, 20, 662-669.	16.2	176
4	Guidelines and recommendations on yeast cell death nomenclature. Microbial Cell, 2018, 5, 4-31.	3.2	158
5	Intermembrane Space Proteome of Yeast Mitochondria. Molecular and Cellular Proteomics, 2012, 11, 1840-1852.	3.8	134
6	Processing of mitochondrial presequences. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 1098-1106.	1.9	127
7	Landscape of submitochondrial protein distribution. Nature Communications, 2017, 8, 290.	12.8	123
8	A yeast BH3-only protein mediates the mitochondrial pathway of apoptosis. EMBO Journal, 2011, 30, 2779-2792.	7.8	120
9	Mitochondrial protein turnover: role of the precursor intermediate peptidase Oct1 in protein stabilization. Molecular Biology of the Cell, 2011, 22, 2135-2143.	2.1	107
10	COA6 is a mitochondrial complex IV assembly factor critical for biogenesis of mtDNA-encoded COX2. Human Molecular Genetics, 2015, 24, 5404-5415.	2.9	89
11	Novel Highly Sensitive, Specific, and Straightforward Strategy for Comprehensive N-Terminal Proteomics Reveals Unknown Substrates of the Mitochondrial Peptidase Icp55. Journal of Proteome Research, 2013, 12, 3823-3830.	3.7	82
12	Endonuclease G mediates Î±-synuclein cytotoxicity during Parkinson's disease. EMBO Journal, 2013, 32, 3041-3054.	7.8	71
13	Mutations in PMPCB Encoding the Catalytic Subunit of the Mitochondrial Presequence Protease Cause Neurodegeneration in Early Childhood. American Journal of Human Genetics, 2018, 102, 557-573.	6.2	69
14	Cooperation between COA6 and SCO2 in COX2 Maturation during Cytochrome c Oxidase Assembly Links Two Mitochondrial Cardiomyopathies. Cell Metabolism, 2015, 21, 823-833.	16.2	68
15	BH3-only proteins are tail-anchored in the outer mitochondrial membrane and can initiate the activation of Bax. Cell Death and Differentiation, 2012, 19, 1328-1336.	11.2	65
16	Processing and Topology of the Yeast Mitochondrial Phosphatidylserine Decarboxylase 1. Journal of Biological Chemistry, 2012, 287, 36744-36755.	3.4	58
17	A respiratory chain controlled signal transduction cascade in the mitochondrial intermembrane space mediates hydrogen peroxide signaling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5679-88.	7.1	58
18	Sorting and assembly of mitochondrial outer membrane proteins. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 557-563.	1.0	55

#	Article	IF	Citations
19	An Early mtUPR: Redistribution of the Nuclear Transcription Factor Rox1 to Mitochondria Protects against Intramitochondrial Proteotoxic Aggregates. Molecular Cell, 2020, 77, 180-188.e9.	9.7	53
20	In mammalian skeletal muscle, phosphorylation of TOMM22 by protein kinase CSNK2/CK2 controls mitophagy. Autophagy, 2018, 14, 311-335.	9.1	51
21	Mitochondrial inner membrane protease promotes assembly of presequence translocase by removing a carboxy-terminal targeting sequence. Nature Communications, 2013, 4, 2853.	12.8	45
22	Pptc7 is an essential phosphatase for promoting mammalian mitochondrial metabolism and biogenesis. Nature Communications, 2019, 10, 3197.	12.8	45
23	The novel component Kgd4 recruits the E3 subunit to the mitochondrial Î±-ketoglutarate dehydrogenase. Molecular Biology of the Cell, 2014, 25, 3342-3349.	2.1	43
24	MIPEP recessive variants cause a syndrome of left ventricular non-compaction, hypotonia, and infantile death. Genome Medicine, 2016, 8, 106.	8.2	43
25	The versatility of the mitochondrial presequence processing machinery: cleavage, quality control and turnover. Cell and Tissue Research, 2017, 367, 73-81.	2.9	41
26	Identification of new channels by systematic analysis of the mitochondrial outer membrane. Journal of Cell Biology, 2017, 216, 3485-3495.	5.2	40
27	Targeting Capacity and Conservation of PreP Homologues Localization in Mitochondria of Different Species. Journal of Molecular Biology, 2011, 410, 400-410.	4.2	39
28	TNFÎ±-induced lysosomal membrane permeability (LMP) is downstream of MOMP and triggered by caspase-mediated p75 cleavage and ROS formation. Journal of Cell Science, 2013, 126, 4015-25.	2.0	36
29	The fusogenic lipid phosphatidic acid promotes the biogenesis of mitochondrial outer membrane protein Ugo1. Journal of Cell Biology, 2015, 210, 951-960.	5.2	36
30	Identification of Their Epitope Reveals the Structural Basis for the Mechanism of Action of the Immunosuppressive Antibodies Basiliximab and Daclizumab. Cancer Research, 2007, 67, 3518-3523.	0.9	34
31	Preprotein Transport Machineries of Yeast Mitochondrial Outer Membrane Are not Required for Bax-induced Release of Intermembrane Space Proteins. Journal of Molecular Biology, 2007, 368, 44-54.	4.2	34
32	Improving Identification of In-organello Protein-Protein Interactions Using an Affinity-enrichable, Isotopically Coded, and Mass Spectrometry-cleavable Chemical Crosslinker. Molecular and Cellular Proteomics, 2020, 19, 624-639.	3.8	34
33	Leukemia targeting ligands isolated from phage display peptide libraries. Leukemia, 2007, 21, 411-420.	7.2	32
34	Snd3 controls nucleus-vacuole junctions in response to glucose signaling. Cell Reports, 2021, 34, 108637.	6.4	22
35	Mitochondrial proteases in human diseases. FEBS Letters, 2021, 595, 1205-1222.	2.8	22
36	Quantitative Profiling for Substrates of the Mitochondrial Presequence Processing Protease Reveals a Set of Nonsubstrate Proteins Increased upon Proteotoxic Stress. Journal of Proteome Research, 2015, 14, 4550-4563.	3.7	19

#	Article	IF	Citations
37	The novel mitochondrial matrix protease Ste23 is required for efficient presequence degradation and processing. Molecular Biology of the Cell, 2017, 28, 997-1002.	2.1	19
38	Increased mitochondrial protein import and cardiolipin remodelling upon early mtUPR. PLoS Genetics, 2021, 17, e1009664.	3.5	19
39	Functional coupling of presequence processing and degradation in human mitochondria. FEBS Journal, 2021, 288, 600-613.	4.7	18
40	Sensing Mitochondrial Homeostasis: the Protein Import Machinery Takes Control. Developmental Cell, 2012, 23, 234-236.	7.0	17
41	The HSP40 chaperone Ydj1 drives amyloid beta 42 toxicity. EMBO Molecular Medicine, 2022, 14, e13952.	6.9	16
42	Global kinome profiling reveals DYRK1A as critical activator of the human mitochondrial import machinery. Nature Communications, 2021, 12, 4284.	12.8	15
43	The Enzymatic Core of the Parkinsonâ€™s Disease-Associated Protein LRRK2 Impairs Mitochondrial Biogenesis in Aging Yeast. Frontiers in Molecular Neuroscience, 2018, 11, 205.	2.9	14
44	Open questions on the mitochondrial unfolded protein response. FEBS Journal, 2021, 288, 2856-2869.	4.7	13
45	Alternative Translation Initiation at a UUG Codon Gives Rise to Two Functional Variants of the Mitochondrial Protein Kgd4. Journal of Molecular Biology, 2019, 431, 1460-1467.	4.2	8
46	A common evolutionary origin reveals fundamental principles of protein insertases. PLoS Biology, 2022, 20, e3001558.	5.6	6
47	Mitochondrial Intermediate Cleaving Peptidase Icp55. , 2013, , 1533-1536.		5
48	Sterol Metabolism Differentially Contributes to Maintenance and Exit of Quiescence. Frontiers in Cell and Developmental Biology, 2022, 10, 788472.	3.7	5
49	Native Techniques for Analysis of Mitochondrial Protein Import. Methods in Molecular Biology, 2010, 619, 425-436.	0.9	4
50	Mitochondria as emergency landing for abandoned peroxins. EMBO Reports, 2021, 22, e53790.	4.5	2
51	Sensing Mitochondrial Homeostasis: the Protein Import Machinery Takes Control. Developmental Cell, 2012, 23, 674.	7.0	1
52	Author's View: a nuclear transcription factor relocalizing to mitochondria rescues cells from proteotoxic aggregates. Molecular and Cellular Oncology, 2020, 7, 1698256.	0.7	0