

Martin Ott

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

5,249
citations

147566

31
h-index

143772

57
g-index

63
all docs

63
docs citations

63
times ranked

7125
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Incorporation of reporter genes into mitochondrial DNA in budding yeast. STAR Protocols, 2022, 3, 101359. | 0.5 | 1 |
| 2 | Structure of the native pyruvate dehydrogenase complex reveals the mechanism of substrate insertion. Nature Communications, 2021, 12, 5277. | 5.8 | 39 |
| 3 | The Analysis of Yeast Mitochondrial Translation. Methods in Molecular Biology, 2021, 2192, 227-242. | 0.4 | 4 |
| 4 | The basic machineries for mitochondrial protein quality control. Mitochondrion, 2020, 50, 121-131. | 1.6 | 40 |
| 5 | Molecular Wiring of a Mitochondrial Translational Feedback Loop. Molecular Cell, 2020, 77, 887-900.e5. | 4.5 | 22 |
| 6 | Membrane-tethering of cytochrome c accelerates regulated cell death in yeast. Cell Death and Disease, 2020, 11, 722. | 2.7 | 10 |
| 7 | Timing of dimerization of the bc complex during mitochondrial respiratory chain assembly. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148177. | 0.5 | 18 |
| 8 | Kinetic coupling of the respiratory chain with ATP synthase, but not proton gradients, drives ATP production in cristae membranes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2412-2421. | 3.3 | 52 |
| 9 | Molecular Connectivity of Mitochondrial Gene Expression and OXPHOS Biogenesis. Molecular Cell, 2020, 79, 1051-1065.e10. | 4.5 | 40 |
| 10 | Respiratory supercomplexes enhance electron transport by decreasing cytochrome <i>c</i> diffusion distance. EMBO Reports, 2020, 21, e51015. | 2.0 | 71 |
| 11 | Mapping protein networks in yeast mitochondria using proximity-dependent biotin identification coupled to proteomics. STAR Protocols, 2020, 1, 100219. | 0.5 | 1 |
| 12 | Mitochondria orchestrate proteostatic and metabolic stress responses. EMBO Reports, 2019, 20, e47865. | 2.0 | 69 |
| 13 | Structural basis for the interaction of the chaperone Cbp3 with newly synthesized cytochrome b during mitochondrial respiratory chain assembly. Journal of Biological Chemistry, 2019, 294, 16663-16671. | 1.6 | 6 |
| 14 | 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. | 2.0 | 8 |
| 15 | Extracellular Membrane Vesicles from Lactobacilli Dampen IFN- β Responses in a Monocyte-Dependent Manner. Scientific Reports, 2019, 9, 17109. | 1.6 | 37 |
| 16 | Cryo-EM structure of the yeast respiratory supercomplex. Nature Structural and Molecular Biology, 2019, 26, 50-57. | 3.6 | 100 |
| 17 | Rcf1 Modulates Cytochrome c Oxidase Activity Especially Under Energy-Demanding Conditions. Frontiers in Physiology, 2019, 10, 1555. | 1.3 | 18 |
| 18 | Spatial orchestration of mitochondrial translation and OXPHOS complex assembly. Nature Cell Biology, 2018, 20, 528-534. | 4.6 | 84 |

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|----|--|------|-----------|
| 19 | A caspase-2-RFXANK interaction and its implication for MHC class II expression. <i>Cell Death and Disease</i> , 2018, 9, 80. | 2.7 | 3 |
| 20 | Insertion Defects of Mitochondrially Encoded Proteins Burden the Mitochondrial Quality Control System. <i>Cells</i> , 2018, 7, 172. | 1.8 | 4 |
| 21 | Biogenesis of the bc1 Complex of the Mitochondrial Respiratory Chain. <i>Journal of Molecular Biology</i> , 2018, 430, 3892-3905. | 2.0 | 70 |
| 22 | Mitochondrial Translation Efficiency Controls Cytoplasmic Protein Homeostasis. <i>Cell Metabolism</i> , 2018, 27, 1309-1322.e6. | 7.2 | 85 |
| 23 | Structural and functional heterogeneity of cytochrome c oxidase in <i>S. cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 699-704. | 0.5 | 12 |
| 24 | Regulation of cytochrome c oxidase activity by modulation of the catalytic site. <i>Scientific Reports</i> , 2018, 8, 11397. | 1.6 | 10 |
| 25 | The ribosome receptors Mrx15 and Mba1 jointly organize cotranslational insertion and protein biogenesis in mitochondria. <i>Molecular Biology of the Cell</i> , 2018, 29, 2386-2396. | 0.9 | 29 |
| 26 | A novel system to monitor mitochondrial translation in yeast. <i>Microbial Cell</i> , 2018, 5, 158-164. | 1.4 | 11 |
| 27 | Reaction of <i>S. cerevisiae</i> mitochondria with ligands: Kinetics of CO and O ₂ binding to flavohemoglobin and cytochrome c oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 182-188. | 0.5 | 8 |
| 28 | Mitochondrial translation and cellular stress response. <i>Cell and Tissue Research</i> , 2017, 367, 21-31. | 1.5 | 27 |
| 29 | Cofilin1-dependent actin dynamics control DRP1-mediated mitochondrial fission. <i>Cell Death and Disease</i> , 2017, 8, e3063-e3063. | 2.7 | 74 |
| 30 | Oms1 associates with cytochrome c oxidase assembly intermediates to stabilize newly synthesized Cox1. <i>Molecular Biology of the Cell</i> , 2016, 27, 1570-1580. | 0.9 | 4 |
| 31 | Choreography of protein synthesis. <i>Nature</i> , 2016, 533, 472-473. | 13.7 | 6 |
| 32 | Regulatory role of the respiratory supercomplex factors in <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4476-85. | 3.3 | 45 |
| 33 | Aim-less translation: loss of <i>Saccharomyces cerevisiae</i> mitochondrial translation initiation factor mIF3/Aim23 leads to unbalanced protein synthesis. <i>Scientific Reports</i> , 2016, 6, 18749. | 1.6 | 21 |
| 34 | Organization and Regulation of Mitochondrial Protein Synthesis. <i>Annual Review of Biochemistry</i> , 2016, 85, 77-101. | 5.0 | 221 |
| 35 | Organization of Mitochondrial Gene Expression in Two Distinct Ribosome-Containing Assemblies. <i>Cell Reports</i> , 2015, 10, 843-853. | 2.9 | 86 |
| 36 | The MIOREX complex - lean management of mitochondrial gene expression. <i>Oncotarget</i> , 2015, 6, 16806-16807. | 0.8 | 9 |

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|----|--|-----|-----------|
| 37 | A mutation in the human CBP4 ortholog UQCC3 impairs complex III assembly, activity and cytochrome b stability. <i>Human Molecular Genetics</i> , 2014, 23, 6356-6365. | 1.4 | 69 |
| 38 | Assembly factors monitor sequential hemylation of cytochrome <i>b</i> to regulate mitochondrial translation. <i>Journal of Cell Biology</i> , 2014, 205, 511-524. | 2.3 | 65 |
| 39 | The novel component Kgd4 recruits the E3 subunit to the mitochondrial α -ketoglutarate dehydrogenase. <i>Molecular Biology of the Cell</i> , 2014, 25, 3342-3349. | 0.9 | 43 |
| 40 | Mitochondrial Protein Synthesis: Efficiency and Accuracy. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1928-1939. | 2.5 | 27 |
| 41 | Mechanisms and Control of Protein Synthesis in Yeast Mitochondria. , 2013, , 109-131. | | 1 |
| 42 | The Cbp3-Cbp6 complex coordinates cytochrome <i>b</i> synthesis with <i>bc1</i> complex assembly in yeast mitochondria. <i>Journal of Cell Biology</i> , 2012, 199, 137-150. | 2.3 | 72 |
| 43 | The Membrane Insertase Oxa1 Is Required for Efficient Import of Carrier Proteins into Mitochondria. <i>Journal of Molecular Biology</i> , 2012, 423, 590-599. | 2.0 | 26 |
| 44 | Conserved and Organelle-Specific Molecular Mechanisms of Translation in Mitochondria. , 2012, , 401-429. | | 2 |
| 45 | Cbp3-Cbp6 interacts with the yeast mitochondrial ribosomal tunnel exit and promotes cytochrome <i>b</i> synthesis and assembly. <i>Journal of Cell Biology</i> , 2011, 193, 1101-1114. | 2.3 | 91 |
| 46 | Evolution of YidC/Oxa1/Alb3 insertases: three independent gene duplications followed by functional specialization in bacteria, mitochondria and chloroplasts. <i>Biological Chemistry</i> , 2011, 392, 13-9. | 1.2 | 46 |
| 47 | Cbp3-Cbp6 interacts with the yeast mitochondrial ribosomal tunnel exit and promotes cytochrome b synthesis and assembly. <i>Journal of Cell Biology</i> , 2011, 194, 155-155. | 2.3 | 0 |
| 48 | Co-translational membrane insertion of mitochondrially encoded proteins. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 767-775. | 1.9 | 138 |
| 49 | The polypeptide tunnel exit of the mitochondrial ribosome is tailored to meet the specific requirements of the organelle. <i>BioEssays</i> , 2010, 32, 1050-1057. | 1.2 | 32 |
| 50 | Proteins at the Polypeptide Tunnel Exit of the Yeast Mitochondrial Ribosome. <i>Journal of Biological Chemistry</i> , 2010, 285, 19022-19028. | 1.6 | 62 |
| 51 | Ribosome-binding Proteins Mdm38 and Mba1 Display Overlapping Functions for Regulation of Mitochondrial Translation. <i>Molecular Biology of the Cell</i> , 2010, 21, 1937-1944. | 0.9 | 56 |
| 52 | Mrpl36 Is Important for Generation of Assembly Competent Proteins during Mitochondrial Translation. <i>Molecular Biology of the Cell</i> , 2009, 20, 2615-2625. | 0.9 | 40 |
| 53 | The Mitochondrial TOM Complex Is Required for tBid/Bax-induced Cytochrome c Release. <i>Journal of Biological Chemistry</i> , 2007, 282, 27633-27639. | 1.6 | 73 |
| 54 | Mitochondria, oxidative stress and cell death. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 913-922. | 2.2 | 1,674 |

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|----|--|-----|-----------|
| 55 | Mba1, a membrane-associated ribosome receptor in mitochondria. EMBO Journal, 2006, 25, 1603-1610. | 3.5 | 125 |
| 56 | Sequential Processing of a Mitochondrial Tandem Protein: Insights into Protein Import in Schizosaccharomyces pombe. Eukaryotic Cell, 2006, 5, 997-1006. | 3.4 | 22 |
| 57 | Evolution of Mitochondrial Oxa Proteins from Bacterial YidC. Journal of Biological Chemistry, 2005, 280, 13004-13011. | 1.6 | 84 |
| 58 | Cardiolipin Is Not Required for Bax-mediated Cytochrome c Release from Yeast Mitochondria. Journal of Biological Chemistry, 2004, 279, 1100-1107. | 1.6 | 70 |
| 59 | Ribosome binding to the Oxa1 complex facilitates co-translational protein insertion in mitochondria. EMBO Journal, 2003, 22, 6448-6457. | 3.5 | 213 |
| 60 | Cytochrome c release from mitochondria proceeds by a two-step process. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1259-1263. | 3.3 | 873 |