

# Ulrich Brandt

## List of Publications by Year in descending order

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191  
papers

17,103  
citations

10373

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h-index

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124  
g-index

214  
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214  
docs citations

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times ranked

17414  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Investigation of central energy metabolism-related protein complexes of ANME-2d methanotrophic archaea by complexome profiling. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148308.                                     | 0.5 | 12        |
| 2  | Respiration   Respiratory Chain Complex I. , 2021, , 485-493.  |     | 0         |
| 3  | Composition and stage dynamics of mitochondrial complexes in <i>Plasmodium falciparum</i> . <i>Nature Communications</i> , 2021, 12, 3820.   | 5.8 | 54        |
| 4  | CEDAR, an online resource for the reporting and exploration of complexome profiling data. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148411.   | 0.5 | 27        |
| 5  | Molecular characterization of a complex of apoptosis-inducing factor 1 with cytochrome c oxidase of the mitochondrial respiratory chain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 20        |
| 6  | Ablation of mitochondrial DNA results in widespread remodeling of the mitochondrial complexome. <i>EMBO Journal</i> , 2021, 40, e108648.   | 3.5 | 18        |
| 7  | Novel defect in phosphatidylinositol 4-kinase type 2 $\alpha$ ( <i>PI4K2A</i> ) at the membrane-enzyme interface is associated with metabolic cutis laxa. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 1382-1391.                 | 1.7 | 7         |
| 8  | TMEM70 functions in the assembly of complexes I and V. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148202.  | 0.5 | 31        |
| 9  | A salvage pathway maintains highly functional respiratory complex I. <i>Nature Communications</i> , 2020, 11, 1643.  | 5.8 | 80        |
| 10 | Complexome analysis of the nitrite-dependent methanotroph <i>Methylomirabilis lanthanidiphila</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 734-744.  | 0.5 | 18        |
| 11 | COmplexome Profiling ALignment (COPAL) reveals remodeling of mitochondrial protein complexes in Barth syndrome. <i>Bioinformatics</i> , 2019, 35, 3083-3091.   | 1.8 | 37        |
| 12 | Adaptations of an ancient modular machine. <i>Science</i> , 2019, 363, 230-231.  | 6.0 | 13        |
| 13 | Bi-allelic Mutations in the Mitochondrial Ribosomal Protein MRPS2 Cause Sensorineural Hearing Loss, Hypoglycemia, and Multiple OXPHOS Complex Deficiencies. <i>American Journal of Human Genetics</i> , 2018, 102, 685-695.                    | 2.6 | 61        |
| 14 | Cryo-EM structure of respiratory complex I at work. <i>ELife</i> , 2018, 7, .  | 2.8 | 98        |
| 15 | Locking loop movement in the ubiquinone pocket of complex I disengages the proton pumps. <i>Nature Communications</i> , 2018, 9, 4500.   | 5.8 | 80        |
| 16 | Barth syndrome cells display widespread remodeling of mitochondrial complexes without affecting metabolic flux distribution. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3650-3658.                        | 1.8 | 53        |
| 17 | Mutations in ATP6V1E1 or ATP6V1A Cause Autosomal-Recessive Cutis Laxa. <i>American Journal of Human Genetics</i> , 2017, 100, 216-227.   | 2.6 | 82        |
| 18 | Compound heterozygosity for severe and hypomorphic <i>NDUFS2</i> mutations cause non-syndromic LHON-like optic neuropathy. <i>Journal of Medical Genetics</i> , 2017, 54, 346-356.   | 1.5 | 43        |

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|----|--|-----|-----------|
| 19 | The Mechanism of Proton Pumping by Respiratory Complex I. <i>Biophysical Journal</i> , 2017, 112, 3a.  | 0.2 | 0         |
| 20 | Biallelic variants in WARS2 encoding mitochondrial tryptophanyl-tRNA synthase in six individuals with mitochondrial encephalopathy. <i>Human Mutation</i> , 2017, 38, 1786-1795.   | 1.1 | 24        |
| 21 | The Assembly Pathway of Mitochondrial Respiratory Chain Complex I. <i>Cell Metabolism</i> , 2017, 25, 128-139.   | 7.2 | 325       |
| 22 | Mutations in Complex I Assembly Factor TMEM126B Result in Muscle Weakness and Isolated Complex I Deficiency. <i>American Journal of Human Genetics</i> , 2016, 99, 208-216.  | 2.6 | 51        |
| 23 | Hodgkin and Reed-Sternberg cells of classical Hodgkin lymphoma are highly dependent on oxidative phosphorylation. <i>International Journal of Cancer</i> , 2016, 138, 2231-2246.   | 2.3 | 37        |
| 24 | The membrane scaffold SLP2 anchors a proteolytic hub in mitochondria containing PARL and the AAA protease YME1L. <i>EMBO Reports</i> , 2016, 17, 1844-1856.  | 2.0 | 142       |
| 25 | The m-AAA Protease Associated with Neurodegeneration Limits MCU Activity in Mitochondria. <i>Molecular Cell</i> , 2016, 64, 148-162.   | 4.5 | 153       |
| 26 | Cryo-EM structure of respiratory complex I reveals a link to mitochondrial sulfur metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1935-1942.  | 0.5 | 27        |
| 27 | Preface to complex I special issue. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 861-862.  | 0.5 | 0         |
| 28 | Structure and function of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 902-914.   | 0.5 | 252       |
| 29 | Evolution and structural organization of the mitochondrial contact site (MICOS) complex and the mitochondrial intermembrane space bridging (MIB) complex. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 91-101.         | 1.9 | 150       |
| 30 | Crystal structure of mitochondrial respiratory complex I. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s36-s36.   | 0.0 | 0         |
| 31 | Accessory NUMM (NDUFS6) subunit harbors a Zn-binding site and is essential for biogenesis of mitochondrial complex I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5685-5690.                   | 3.3 | 64        |
| 32 | Mechanistic insight from the crystal structure of mitochondrial complex I. <i>Science</i> , 2015, 347, 44-49.  | 6.0 | 366       |
| 33 | Statin-Induced Myopathy Is Associated with Mitochondrial Complex III Inhibition. <i>Cell Metabolism</i> , 2015, 22, 399-407.   | 7.2 | 180       |
| 34 | Generator-specific targets of mitochondrial reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2015, 78, 1-10.  | 1.3 | 145       |
| 35 | NOVA: a software to analyze complexome profiling data. <i>Bioinformatics</i> , 2015, 31, 440-441.  | 1.8 | 70        |
| 36 | The LYR protein subunit NB4M/NDUFA6 of mitochondrial complex I anchors an acyl carrier protein and is essential for catalytic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5207-5212. | 3.3 | 93        |

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|----|--|-----|-----------|
| 37 | Mitochondrial respiratory chain complexes as sources and targets of thiol-based redox-regulation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1344-1354.                        | 1.1 | 121       |
| 38 | Superoxide production by cytochrome bc1 complex: A mathematical model. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1643-1652.   | 0.5 | 29        |
| 39 | Loss of PINK1 Impairs Stress-Induced Autophagy and Cell Survival. <i>PLoS ONE</i> , 2014, 9, e95288.   | 1.1 | 39        |
| 40 | Loss of mitochondrial peptidase Clpp leads to infertility, hearing loss plus growth retardation via accumulation of CLPX, mtDNA and inflammatory factors. <i>Human Molecular Genetics</i> , 2013, 22, 4871-4887. | 1.4 | 151       |
| 41 | Age-related changes in the mitochondrial proteome of the fungus <i>Podospora anserina</i> analyzed by 2D-DIGE and LC-MS/MS. <i>Journal of Proteomics</i> , 2013, 91, 358-374.                                    | 1.2 | 5         |
| 42 | Inside View of a Giant Proton Pump. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7358-7360.  | 7.2 | 12        |
| 43 | APOOL Is a Cardiolipin-Binding Constituent of the Mitofilin/MINOS Protein Complex Determining Cristae Morphology in Mammalian Mitochondria. <i>PLoS ONE</i> , 2013, 8, e63683.                                   | 1.1 | 130       |
| 44 | Mitochondrial Genomics and Proteomics of <i>Yarrowia lipolytica</i> . <i>Microbiology Monographs</i> , 2013, , 31-55.  | 0.3 | 0         |
| 45 | LRPPRC is necessary for polyadenylation and coordination of translation of mitochondrial mRNAs. <i>EMBO Journal</i> , 2012, 31, 443-456.   | 3.5 | 264       |
| 46 | Incorporation of NADH-ubiquinone Oxidoreductase (Mitochondrial Complex I) into Lipid Nanodiscs. <i>Microscopy and Microanalysis</i> , 2012, 18, 88-89.   | 0.2 | 0         |
| 47 | Tracing the tail of ubiquinone in mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1776-1784.   | 0.5 | 55        |
| 48 | Complexome Profiling Identifies TMEM126B as a Component of the Mitochondrial Complex I Assembly Complex. <i>Cell Metabolism</i> , 2012, 16, 538-549.   | 7.2 | 252       |
| 49 | Identification of generator-specific biomarkers and targets of mitochondrial ROS. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S97.  | 0.5 | 0         |
| 50 | Exploring the zinc binding site of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S57.  | 0.5 | 0         |
| 51 | The accession gate for ubiquinone of complex I from <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S50.   | 0.5 | 0         |
| 52 | Protein S-nitrosylation and denitrosylation in the mouse spinal cord upon injury of the sciatic nerve. <i>Journal of Proteomics</i> , 2012, 75, 3987-4004.   | 1.2 | 28        |
| 53 | Xentrivalpeptides Aâ€œQ: Depsipeptide Diversification in <i>Xenorhabdus</i> . <i>Journal of Natural Products</i> , 2012, 75, 1717-1722.  | 1.5 | 18        |
| 54 | Mitochondrion-Derived Reactive Oxygen Species Lead to Enhanced Amyloid Beta Formation. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1421-1433.  | 2.5 | 273       |

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|----|---|-----|-----------|
| 55 | Primary Skin Fibroblasts as a Model of Parkinson's Disease. <i>Molecular Neurobiology</i> , 2012, 46, 20-27.  | 1.9 | 121       |
| 56 | Molecular Mechanisms of Superoxide Production by the Mitochondrial Respiratory Chain. <i>Advances in Experimental Medicine and Biology</i> , 2012, 748, 145-169.  | 0.8 | 413       |
| 57 | A high-definition native polyacrylamide gel electrophoresis system for the analysis of membrane complexes. <i>Plant Journal</i> , 2011, 67, 181-194.  | 2.8 | 38        |
| 58 | Mitochondrial DNA copy number and function decrease with age in the short-lived fish <i>Nothobranchius furzeri</i> . <i>Aging Cell</i> , 2011, 10, 824-831.   | 3.0 | 114       |
| 59 | A two-state stabilization-change mechanism for proton-pumping complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1364-1369.  | 0.5 | 113       |
| 60 | Unmasking a temperature-dependent effect of the <i>P. anserina</i> AAA protease on aging and development. <i>Cell Cycle</i> , 2011, 10, 4280-4290.  | 1.3 | 30        |
| 61 | A scaffold of accessory subunits links the peripheral arm and the distal proton-pumping module of mitochondrial complex I. <i>Biochemical Journal</i> , 2011, 437, 279-288.                               | 1.7 | 84        |
| 62 | A Common Mechanism Links Differently Acting Complex II Inhibitors to Cardioprotection: Modulation of Mitochondrial Reactive Oxygen Species Production. <i>Molecular Pharmacology</i> , 2011, 79, 814-822. | 1.0 | 56        |
| 63 | Functional Dissection of the Proton Pumping Modules of Mitochondrial Complex I. <i>PLoS Biology</i> , 2011, 9, e1001128.  | 2.6 | 81        |
| 64 | Characterization of two different acyl carrier proteins in complex I from <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 152-159.                        | 0.5 | 31        |
| 65 | The role of a conserved tyrosine in the 49-kDa subunit of complex I for ubiquinone binding and reduction. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 625-632.                     | 0.5 | 73        |
| 66 | Crystallization of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 24.  | 0.5 | 0         |
| 67 | Measuring mitochondria-derived reactive oxygen species in cell culture: Challenges and limitations. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 57-58.                             | 0.5 | 0         |
| 68 | The role of the ubiquinone pool in modulating the superoxide production by the mitochondrial cytochrome bc1 complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 58-59.            | 0.5 | 0         |
| 69 | Quinone binding and reduction by respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1883-1890.   | 0.5 | 76        |
| 70 | Small single transmembrane domain (STMD) proteins organize the hydrophobic subunits of large membrane protein complexes. <i>FEBS Letters</i> , 2010, 584, 2516-2525.                                      | 1.3 | 39        |
| 71 | Laser-induced liquid bead ion desorption-MS of protein complexes from blue-native gels, a sensitive top-down proteomic approach. <i>Proteomics</i> , 2010, 10, 1401-1407.                                 | 1.3 | 24        |
| 72 | The structure of eukaryotic and prokaryotic complex I. <i>Journal of Structural Biology</i> , 2010, 169, 81-88.   | 1.3 | 98        |

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|----|--|-----|-----------|
| 73 | Functional Modules and Structural Basis of Conformational Coupling in Mitochondrial Complex I. <i>Science</i> , 2010, 329, 448-451.  | 6.0 | 353       |
| 74 | Phospholipase A2-modified low density lipoprotein induces mitochondrial uncoupling and lowers reactive oxygen species in phagocytes. <i>Atherosclerosis</i> , 2010, 208, 142-147.  | 0.4 | 6         |
| 75 | Multifrequency Pulsed Electron Paramagnetic Resonance on Metalloproteins. <i>Accounts of Chemical Research</i> , 2010, 43, 181-189.  | 7.6 | 21        |
| 76 | Amyloid- $\beta^2$ and tau synergistically impair the oxidative phosphorylation system in triple transgenic Alzheimer's disease mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20057-20062. | 3.3 | 581       |
| 77 | Human Ind1, an Iron-Sulfur Cluster Assembly Factor for Respiratory Complex I. <i>Molecular and Cellular Biology</i> , 2009, 29, 6059-6073.   | 1.1 | 184       |
| 78 | Hypoxic reoxygenation during initial reperfusion attenuates cardiac dysfunction and limits ischemia-reperfusion injury after cardioplegic arrest in a porcine model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 137, 978-982.       | 0.4 | 30        |
| 79 | Architecture of complex I and its implications for electron transfer and proton pumping. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 574-583.   | 0.5 | 90        |
| 80 | New pulsed EPR methods and their application to characterize mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 584-592.  | 0.5 | 14        |
| 81 | Two-dimensional native electrophoretic analysis of respiratory supercomplexes from <i>Yarrowia lipolytica</i> . <i>Proteomics</i> , 2009, 9, 2408-2418.  | 1.3 | 65        |
| 82 | Mitochondrial Telomerase Reverse Transcriptase Binds to and Protects Mitochondrial DNA and Function From Damage. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 929-935.  | 1.1 | 294       |
| 83 | Ambivalent effects of diazoxide on mitochondrial ROS production at respiratory chain complexes I and III. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 558-565.   | 1.1 | 65        |
| 84 | Mitochondrial dysfunction: An early event in Alzheimer pathology accumulates with age in AD transgenic mice. <i>Neurobiology of Aging</i> , 2009, 30, 1574-1586.   | 1.5 | 395       |
| 85 | Chapter 26 Measurement of Superoxide Formation by Mitochondrial Complex I of <i>Yarrowia Lipolytica</i> . <i>Methods in Enzymology</i> , 2009, 456, 475-490.   | 0.4 | 13        |
| 86 | Challenges in elucidating structure and mechanism of proton pumping NADH:ubiquinone oxidoreductase (complex I). <i>Journal of Bioenergetics and Biomembranes</i> , 2008, 40, 475-483.  | 1.0 | 34        |
| 87 | Oligomeric and fibrillar species of $\beta^2$ -amyloid ( $A\beta^{242}$ ) both impair mitochondrial function in P301L tau transgenic mice. <i>Journal of Molecular Medicine</i> , 2008, 86, 1255-1267.   | 1.7 | 123       |
| 88 | The iron-sulphur protein Ind1 is required for effective complex I assembly. <i>EMBO Journal</i> , 2008, 27, 1736-1746.   | 3.5 | 158       |
| 89 | Exploring the inhibitor binding pocket of respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 660-665.   | 0.5 | 81        |
| 90 | P/9 Structural and functional insight into mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S4.   | 0.5 | 0         |

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|-----|---|-----|-----------|
| 91  | S4.9 Complex I from <i>Yarrowia lipolytica</i> contains two different acyl carrier proteins. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S35.  | 0.5 | 0         |
| 92  | S4.16 Crystallization and structural characterization of Fab co-complexes of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S36.   | 0.5 | 0         |
| 93  | S12.41 Altered mitochondrial respiration and energy metabolism in brain cells from transgenic Alzheimer's disease mice. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S85-S86.                     | 0.5 | 0         |
| 94  | Subunit mass fingerprinting of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1384-1391.   | 0.5 | 74        |
| 95  | The <i>Toxoplasma gondii</i> type-II NADH dehydrogenase TgNDH2-I is inhibited by 1-hydroxy-2-alkyl-4(1H)quinolones. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1455-1462.                       | 0.5 | 30        |
| 96  | The Three Families of Respiratory NADH Dehydrogenases. , 2008, 45, 185-222.   |     | 95        |
| 97  | Identification of the Mitochondrial ND3 Subunit as a Structural Component Involved in the Active/Deactive Enzyme Transition of Respiratory Complex I. <i>Journal of Biological Chemistry</i> , 2008, 283, 20907-20913.  | 1.6 | 135       |
| 98  | The Mechanism of Mitochondrial Superoxide Production by the Cytochrome bc1 Complex. <i>Journal of Biological Chemistry</i> , 2008, 283, 21649-21654.  | 1.6 | 313       |
| 99  | Structure Analysis of Complex I and Functional Implications. <i>Microscopy and Microanalysis</i> , 2008, 14, 1308-1309.   | 0.2 | 0         |
| 100 | Mechanism of Thiazolidinedione-Dependent Cell Death in Jurkat T Cells. <i>Molecular Pharmacology</i> , 2007, 71, 1535-1544.   | 1.0 | 145       |
| 101 | Exploring the Ubiquinone Binding Cavity of Respiratory Complex I. <i>Journal of Biological Chemistry</i> , 2007, 282, 29514-29520.  | 1.6 | 98        |
| 102 | Direct localization of the 51 and 24kDa subunits of mitochondrial complex I by three-dimensional difference imaging. <i>Journal of Structural Biology</i> , 2007, 159, 433-442.   | 1.3 | 32        |
| 103 | Characterization of a subcomplex of mitochondrial NADH:ubiquinone oxidoreductase (complex I) lacking the flavoprotein part of the N-module. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 393-400. | 0.5 | 18        |
| 104 | Mitochondrial dysfunction, peroxidation damage and changes in glutathione metabolism in PARK6. <i>Neurobiology of Disease</i> , 2007, 25, 401-411.  | 2.1 | 180       |
| 105 | Tight binding of NADPH to the 39-kDa subunit of complex I is not required for catalytic activity but stabilizes the multiprotein complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 1676-1682. | 0.5 | 47        |
| 106 | Energy Converting NADH: Quinone Oxidoreductase (Complex I). <i>Annual Review of Biochemistry</i> , 2006, 75, 69-92.   | 5.0 | 719       |
| 107 | Heterocyclic Analogues of Squamocin as Inhibitors of Mitochondrial Complex I. On the Role of the Terminal Lactone of Annonaceous Acetogenins. <i>Biochemistry</i> , 2006, 45, 2721-2728.                                | 1.2 | 34        |
| 108 | The proton pumping stoichiometry of purified mitochondrial complex I reconstituted into proteoliposomes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 1575-1581.                                  | 0.5 | 118       |



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| 109 | ATR-FTIR Redox Difference Spectroscopy of Yarrowia lipolytica and Bovine Complex I. <i>Biochemistry</i> , 2006, 45, 5458-5467.  | 1.2 | 23        |
| 110 | The three-dimensional structure of complex I from Yarrowia lipolytica: A highly dynamic enzyme. <i>Journal of Structural Biology</i> , 2006, 154, 269-279.  | 1.3 | 114       |
| 111 | Substrate-inducible versions of internal alternative NADH : ubiquinone oxidoreductase from Yarrowia lipolytica. <i>Yeast</i> , 2006, 23, 1129-1136.   | 0.8 | 9         |
| 112 | Analogues of cytotoxic squamocin using reliable reactions: new insights into the reactivity and role of the $\beta$ , $\gamma$ -unsaturated lactone of the annonaceous acetogenins. <i>Tetrahedron</i> , 2006, 62, 6248-6257.                                   | 1.0 | 16        |
| 113 | Cluster N1 of complex I from Yarrowia lipolytica studied by pulsed EPR spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 343-350.  | 1.1 | 16        |
| 114 | Semisynthesis and Screening of a Small Library of Pro-Apoptotic Squamocin Analogues: Selection and Study of a Benzoquinone Hybrid with an Improved Biological Profile.. <i>ChemMedChem</i> , 2006, 1, 118-129.  | 1.6 | 17        |
| 115 | Subcomplexes of human ATP synthase mark mitochondrial biosynthesis disorders. <i>Annals of Neurology</i> , 2006, 59, 265-275.   | 2.8 | 75        |
| 116 | Secondary mitochondrial dysfunction in propionic aciduria: a pathogenic role for endogenous mitochondrial toxins. <i>Biochemical Journal</i> , 2006, 398, 107-112.  | 1.7 | 163       |
| 117 | K <sup>+</sup> -independent Actions of Diazoxide Question the Role of Inner Membrane KATP Channels in Mitochondrial Cytoprotective Signaling. <i>Journal of Biological Chemistry</i> , 2006, 281, 23733-23739.  | 1.6 | 95        |
| 118 | The Redox-Bohr Group Associated with Iron-Sulfur Cluster N2 of Complex I. <i>Journal of Biological Chemistry</i> , 2006, 281, 23013-23017.  | 1.6 | 71        |
| 119 | Structure-function relationships in mitochondrial complex I of the strictly aerobic yeast Yarrowia lipolytica. <i>Biochemical Society Transactions</i> , 2005, 33, 840-844.   | 1.6 | 19        |
| 120 | 5-Hydroxydecanoate is metabolised in mitochondria and creates a rate-limiting bottleneck for $\beta$ -oxidation of fatty acids. <i>Journal of Physiology</i> , 2005, 562, 307-318.  | 1.3 | 75        |
| 121 | Histidine 129 in the 75-kDa Subunit of Mitochondrial Complex I from Yarrowia lipolytica Is Not a Ligand for [Fe <sub>4</sub> S <sub>4</sub> ] Cluster N5 but Is Required for Catalytic Activity. <i>Journal of Biological Chemistry</i> , 2005, 280, 5622-5625. | 1.6 | 18        |
| 122 | HDQ (1-Hydroxy-2-dodecyl-4(1H)quinolone), a High Affinity Inhibitor for Mitochondrial Alternative NADH Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2005, 280, 3138-3142.  | 1.6 | 59        |
| 123 | Proteomic and Functional Analyses Reveal a Mitochondrial Dysfunction in P301L Tau Transgenic Mice. <i>Journal of Biological Chemistry</i> , 2005, 280, 23802-23814.   | 1.6 | 362       |
| 124 | Superoxide Radical Formation by Pure Complex I (NADH:Ubiquinone Oxidoreductase) from Yarrowia lipolytica. <i>Journal of Biological Chemistry</i> , 2005, 280, 30129-30135.  | 1.6 | 144       |
| 125 | Functional sulfurtransferase is associated with mitochondrial complex I from Yarrowia lipolytica, but is not required for assembly of its iron-sulfur clusters. <i>FEBS Letters</i> , 2005, 579, 6781-6785.   | 1.3 | 35        |
| 126 | Remarkable substituent effect: $\beta$ -aminosquamocin, a potent dual inhibitor of mitochondrial complexes I and III. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1709, 191-194.   | 0.5 | 11        |



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|-----|---|-----|-----------|
| 127 | Proton pumping by complex I (NADH:ubiquinone oxidoreductase) from <i>Yarrowia lipolytica</i> reconstituted into proteoliposomes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1710, 87-95.                                    | 0.5 | 43        |
| 128 | Functional Significance of Conserved Histidines and Arginines in the 49-kDa Subunit of Mitochondrial Complex I. <i>Journal of Biological Chemistry</i> , 2004, 279, 21193-21199.  | 1.6 | 74        |
| 129 | Significance of Respirasomes for the Assembly/Stability of Human Respiratory Chain Complex I. <i>Journal of Biological Chemistry</i> , 2004, 279, 36349-36353.  | 1.6 | 287       |
| 130 | Processing of the 24-kDa subunit mitochondrial import signal is not required for assembly of functional complex I in <i>Yarrowia lipolytica</i> . <i>FEBS Journal</i> , 2004, 271, 3588-3595.   | 0.2 | 11        |
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