

# Ulrich Brandt

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186  
papers

14,269  
citations

68  
h-index

115  
g-index

214  
ext. papers

15,758  
ext. citations

6.2  
avg, IF

6.55  
L-index

#	Paper	IF	Citations
186	Composition and stage dynamics of mitochondrial complexes in <i>Plasmodium falciparum</i> . <i>Nature Communications</i> , <b>2021</b> , 12, 3820	17.4	15
185	CEDAR, an online resource for the reporting and exploration of complexome profiling data. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2021</b> , 1862, 148411	4.6	8
184	Investigation of central energy metabolism-related protein complexes of ANME-2d methanotrophic archaea by complexome profiling. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2021</b> , 1862, 148308	4.6	6
183	Respiration   Respiratory Chain Complex I <b>2021</b> , 485-493		
182	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> , <b>2021</b> , 118,	11.5	5
181	Ablation of mitochondrial DNA results in widespread remodeling of the mitochondrial complexome. <i>EMBO Journal</i> , <b>2021</b> , 40, e108648	13	3
180	Novel defect in phosphatidylinositol 4-kinase type 2-alpha (PI4K2A) at the membrane-enzyme interface is associated with metabolic cutis laxa. <i>Journal of Inherited Metabolic Disease</i> , <b>2020</b> , 43, 1382-1391	5.4	3
179	TMEM70 functions in the assembly of complexes I and V. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2020</b> , 1861, 148202	4.6	24
178	A salvage pathway maintains highly functional respiratory complex I. <i>Nature Communications</i> , <b>2020</b> , 11, 1643	17.4	39
177	COmplexome Profiling ALignment (COPAL) reveals remodeling of mitochondrial protein complexes in Barth syndrome. <i>Bioinformatics</i> , <b>2019</b> , 35, 3083-3091	7.2	22
176	Complexome analysis of the nitrite-dependent methanotroph <i>Methylomirabilis lanthanidiphila</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2019</b> , 1860, 734-744	4.6	7
175	Adaptations of an ancient modular machine. <i>Science</i> , <b>2019</b> , 363, 230-231	33.3	9
174	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> , <b>2018</b> , 102, 685-695	11	37
173	Cryo-EM structure of respiratory complex I at work. <i>ELife</i> , <b>2018</b> , 7,	8.9	66
172	Locking loop movement in the ubiquinone pocket of complex I disengages the proton pumps. <i>Nature Communications</i> , <b>2018</b> , 9, 4500	17.4	55
171	Barth syndrome cells display widespread remodeling of mitochondrial complexes without affecting metabolic flux distribution. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2018</b> , 1864, 3650-3658	6.9	37
170	Mutations in ATP6V1E1 or ATP6V1A Cause Autosomal-Recessive Cutis Laxa. <i>American Journal of Human Genetics</i> , <b>2017</b> , 100, 216-227	11	58

169	Compound heterozygosity for severe and hypomorphic mutations cause non-syndromic LHON-like optic neuropathy. <i>Journal of Medical Genetics</i> , <b>2017</b> , 54, 346-356	5.8	23
168	Biallelic variants in WARS2 encoding mitochondrial tryptophanyl-tRNA synthase in six individuals with mitochondrial encephalopathy. <i>Human Mutation</i> , <b>2017</b> , 38, 1786-1795	4.7	15
167	The Assembly Pathway of Mitochondrial Respiratory Chain Complex I. <i>Cell Metabolism</i> , <b>2017</b> , 25, 128-139	24.6	215
166	The m-AAA Protease Associated with Neurodegeneration Limits MCU Activity in Mitochondria. <i>Molecular Cell</i> , <b>2016</b> , 64, 148-162	17.6	100
165	Cryo-EM structure of respiratory complex I reveals a link to mitochondrial sulfur metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2016</b> , 1857, 1935-1942	4.6	22
164	Structure and function of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2016</b> , 1857, 902-14	4.6	174
163	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> , <b>2016</b> , 1863, 91-101	4.9	108
162	Mutations in Complex I Assembly Factor TMEM126B Result in Muscle Weakness and Isolated Complex I Deficiency. <i>American Journal of Human Genetics</i> , <b>2016</b> , 99, 208-16	11	39
161	Hodgkin and Reed-Sternberg cells of classical Hodgkin lymphoma are highly dependent on oxidative phosphorylation. <i>International Journal of Cancer</i> , <b>2016</b> , 138, 2231-46	7.5	19
160	The membrane scaffold SLP2 anchors a proteolytic hub in mitochondria containing PARL and the i-AAA protease YME1L. <i>EMBO Reports</i> , <b>2016</b> , 17, 1844-1856	6.5	94
159	Statin-Induced Myopathy Is Associated with Mitochondrial Complex III Inhibition. <i>Cell Metabolism</i> , <b>2015</b> , 22, 399-407	24.6	143
158	Generator-specific targets of mitochondrial reactive oxygen species. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 78, 1-10	7.8	112
157	NOVA: a software to analyze complexome profiling data. <i>Bioinformatics</i> , <b>2015</b> , 31, 440-1	7.2	48
156	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> , <b>2015</b> , 112, 5685-90	11.5	60
155	Structural biology. Mechanistic insight from the crystal structure of mitochondrial complex I. <i>Science</i> , <b>2015</b> , 347, 44-9	33.3	300
154	Mitochondrial respiratory chain complexes as sources and targets of thiol-based redox-regulation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2014</b> , 1844, 1344-54	4	106
153	Struktur und Funktion der mitochondrialen Atmungskettenkomplexe. <i>BioSpektrum</i> , <b>2014</b> , 20, 267-270	0.1	3
152	Superoxide production by cytochrome bc1 complex: a mathematical model. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2014</b> , 1837, 1643-52	4.6	23

151	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> , <b>2014</b> , 111, 5207-12	11.5	76
150	Loss of PINK1 impairs stress-induced autophagy and cell survival. <i>PLoS ONE</i> , <b>2014</b> , 9, e95288	3.7	34
149	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> , <b>2013</b> , 22, 4871-87	5.6	114
148	Age-related changes in the mitochondrial proteome of the fungus <i>Podospira anserina</i> analyzed by 2D-DIGE and LC-MS/MS. <i>Journal of Proteomics</i> , <b>2013</b> , 91, 358-74	3.9	5
147	Inside view of a giant proton pump. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 7358-60	16.4	12
146	Innenansichten einer gigantischen Protonenpumpe. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 7502-7504	3.6	
145	APOOL is a cardiolipin-binding constituent of the Mitofilin/MINOS protein complex determining cristae morphology in mammalian mitochondria. <i>PLoS ONE</i> , <b>2013</b> , 8, e63683	3.7	107
144	Mitochondrial Genomics and Proteomics of <i>Yarrowia lipolytica</i> . <i>Microbiology Monographs</i> , <b>2013</b> , 31-55	0.8	
143	Tracing the tail of ubiquinone in mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2012</b> , 1817, 1776-84	4.6	40
142	Complexome profiling identifies TMEM126B as a component of the mitochondrial complex I assembly complex. <i>Cell Metabolism</i> , <b>2012</b> , 16, 538-49	24.6	199
141	Exploring the zinc binding site of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2012</b> , 1817, S57	4.6	
140	Protein S-nitrosylation and denitrosylation in the mouse spinal cord upon injury of the sciatic nerve. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 3987-4004	3.9	27
139	Xentrivalpeptides A-Q: depsipeptide diversification in <i>Xenorhabdus</i> . <i>Journal of Natural Products</i> , <b>2012</b> , 75, 1717-22	4.9	17
138	Mitochondrion-derived reactive oxygen species lead to enhanced amyloid beta formation. <i>Antioxidants and Redox Signaling</i> , <b>2012</b> , 16, 1421-33	8.4	214
137	Primary skin fibroblasts as a model of Parkinson's disease. <i>Molecular Neurobiology</i> , <b>2012</b> , 46, 20-7	6.2	89
136	Molecular mechanisms of superoxide production by the mitochondrial respiratory chain. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 748, 145-69	3.6	349
135	LRPPRC is necessary for polyadenylation and coordination of translation of mitochondrial mRNAs. <i>EMBO Journal</i> , <b>2012</b> , 31, 443-56	13	195
134	Incorporation of NADH-ubiquinone Oxidoreductase (Mitochondrial Complex I) into Lipid Nanodiscs. <i>Microscopy and Microanalysis</i> , <b>2012</b> , 18, 88-89	0.5	

133	A high-definition native polyacrylamide gel electrophoresis system for the analysis of membrane complexes. <i>Plant Journal</i> , <b>2011</b> , 67, 181-94	6.9	34
132	Mitochondrial DNA copy number and function decrease with age in the short-lived fish <i>Nothobranchius furzeri</i> . <i>Aging Cell</i> , <b>2011</b> , 10, 824-31	9.9	85
131	A two-state stabilization-change mechanism for proton-pumping complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2011</b> , 1807, 1364-9	4.6	99
130	Mitochondrialer Komplex I –Analyse einer molekularen Maschine. <i>BioSpektrum</i> , <b>2011</b> , 17, 278-280	0.1	
129	Unmasking a temperature-dependent effect of the <i>P. anserina</i> i-AAA protease on aging and development. <i>Cell Cycle</i> , <b>2011</b> , 10, 4280-90	4.7	27
128	A scaffold of accessory subunits links the peripheral arm and the distal proton-pumping module of mitochondrial complex I. <i>Biochemical Journal</i> , <b>2011</b> , 437, 279-88	3.8	71
127	A common mechanism links differently acting complex II inhibitors to cardioprotection: modulation of mitochondrial reactive oxygen species production. <i>Molecular Pharmacology</i> , <b>2011</b> , 79, 814-22	4.3	53
126	Functional dissection of the proton pumping modules of mitochondrial complex I. <i>PLoS Biology</i> , <b>2011</b> , 9, e1001128	9.7	63
125	The structure of eukaryotic and prokaryotic complex I. <i>Journal of Structural Biology</i> , <b>2010</b> , 169, 81-8	3.4	90
124	Functional modules and structural basis of conformational coupling in mitochondrial complex I. <i>Science</i> , <b>2010</b> , 329, 448-51	33.3	320
123	Phospholipase A2-modified low density lipoprotein induces mitochondrial uncoupling and lowers reactive oxygen species in phagocytes. <i>Atherosclerosis</i> , <b>2010</b> , 208, 142-7	3.1	5
122	Multifrequency pulsed electron paramagnetic resonance on metalloproteins. <i>Accounts of Chemical Research</i> , <b>2010</b> , 43, 181-9	24.3	19
121	Characterization of two different acyl carrier proteins in complex I from <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2010</b> , 1797, 152-9	4.6	27
120	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> , <b>2010</b> , 1797, 625-32	4.6	58
119	Crystallization of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2010</b> , 1797, 24	4.6	
118	The role of the ubiquinone pool in modulating the superoxide production by the mitochondrial cytochrome bc1 complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2010</b> , 1797, 58-59	4.6	
117	Quinone binding and reduction by respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2010</b> , 1797, 1883-90	4.6	66
116	Small single transmembrane domain (STMD) proteins organize the hydrophobic subunits of large membrane protein complexes. <i>FEBS Letters</i> , <b>2010</b> , 584, 2516-25	3.8	33

115	Laser-induced liquid bead ion desorption-MS of protein complexes from blue-native gels, a sensitive top-down proteomic approach. <i>Proteomics</i> , <b>2010</b> , 10, 1401-7	4.8	22
114	Amyloid-beta and tau synergistically impair the oxidative phosphorylation system in triple transgenic Alzheimer $\beta$ disease mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 20057-62	11.5	481
113	Human ind1, an iron-sulfur cluster assembly factor for respiratory complex I. <i>Molecular and Cellular Biology</i> , <b>2009</b> , 29, 6059-73	4.8	166
112	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> , <b>2009</b> , 137, 978-82	1.5	23
111	Architecture of complex I and its implications for electron transfer and proton pumping. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2009</b> , 1787, 574-83	4.6	86
110	New pulsed EPR methods and their application to characterize mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2009</b> , 1787, 584-92	4.6	13
109	Two-dimensional native electrophoretic analysis of respiratory supercomplexes from <i>Yarrowia lipolytica</i> . <i>Proteomics</i> , <b>2009</b> , 9, 2408-18	4.8	57
108	Mitochondrial telomerase reverse transcriptase binds to and protects mitochondrial DNA and function from damage. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 929-35	9.4	216
107	Ambivalent effects of diazoxide on mitochondrial ROS production at respiratory chain complexes I and III. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2009</b> , 1790, 558-65	4	58
106	Mitochondrial dysfunction: an early event in Alzheimer pathology accumulates with age in AD transgenic mice. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 1574-86	5.6	332
105	Chapter 26 Measurement of superoxide formation by mitochondrial complex I of <i>Yarrowia lipolytica</i> . <i>Methods in Enzymology</i> , <b>2009</b> , 456, 475-90	1.7	13
104	The iron-sulphur protein Ind1 is required for effective complex I assembly. <i>EMBO Journal</i> , <b>2008</b> , 27, 1736-46	11.4	135
103	Exploring the inhibitor binding pocket of respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2008</b> , 1777, 660-5	4.6	69
102	Subunit mass fingerprinting of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2008</b> , 1777, 1384-91	4.6	68
101	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> , <b>2008</b> , 1777, 1455-62	4.6	25
100	The three families of respiratory NADH dehydrogenases. <i>Results and Problems in Cell Differentiation</i> , <b>2008</b> , 45, 185-222	1.4	83
99	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> , <b>2008</b> , 283, 20907-13	5.4	120
98	The mechanism of mitochondrial superoxide production by the cytochrome bc1 complex. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 21649-54	5.4	271

97	Structure Analysis of Complex I and Functional Implications. <i>Microscopy and Microanalysis</i> , <b>2008</b> , 14, 1308-1309		
96	Challenges in elucidating structure and mechanism of proton pumping NADH:ubiquinone oxidoreductase (complex I). <i>Journal of Bioenergetics and Biomembranes</i> , <b>2008</b> , 40, 475-83	3.7	31
95	Oligomeric and fibrillar species of beta-amyloid (A beta 42) both impair mitochondrial function in P301L tau transgenic mice. <i>Journal of Molecular Medicine</i> , <b>2008</b> , 86, 1255-67	5.5	98
94	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> , <b>2007</b> , 1767, 393-400	4.6	18
93	Mitochondrial dysfunction, peroxidation damage and changes in glutathione metabolism in PARK6. <i>Neurobiology of Disease</i> , <b>2007</b> , 25, 401-11	7.5	172
92	Mechanism of thiazolidinedione-dependent cell death in Jurkat T cells. <i>Molecular Pharmacology</i> , <b>2007</b> , 71, 1535-44	4.3	136
91	Exploring the ubiquinone binding cavity of respiratory complex I. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 29514-20	5.4	85
90	Direct localization of the 51 and 24 kDa subunits of mitochondrial complex I by three-dimensional difference imaging. <i>Journal of Structural Biology</i> , <b>2007</b> , 159, 433-42	3.4	30
89	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> , <b>2006</b> , 1, 118-29	3.7	17
88	Subcomplexes of human ATP synthase mark mitochondrial biosynthesis disorders. <i>Annals of Neurology</i> , <b>2006</b> , 59, 265-75	9.4	71
87	Secondary mitochondrial dysfunction in propionic aciduria: a pathogenic role for endogenous mitochondrial toxins. <i>Biochemical Journal</i> , <b>2006</b> , 398, 107-12	3.8	139
86	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> , <b>2006</b> , 281, 23733-9	5.4	83
85	The Redox-Bohr group associated with iron-sulfur cluster N2 of complex I. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 23013-7	5.4	67
84	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> , <b>2006</b> , 1757, 1676-82	4.6	39
83	Energy converting NADH:quinone oxidoreductase (complex I). <i>Annual Review of Biochemistry</i> , <b>2006</b> , 75, 69-92	29.1	641
82	Heterocyclic analogues of squamocin as inhibitors of mitochondrial complex I. On the role of the terminal lactone of annonaceous acetogenins. <i>Biochemistry</i> , <b>2006</b> , 45, 2721-8	3.2	33
81	The proton pumping stoichiometry of purified mitochondrial complex I reconstituted into proteoliposomes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2006</b> , 1757, 1575-81	4.6	103
80	ATR-FTIR redox difference spectroscopy of <i>Yarrowia lipolytica</i> and bovine complex I. <i>Biochemistry</i> , <b>2006</b> , 45, 5458-67	3.2	21



79	The three-dimensional structure of complex I from <i>Yarrowia lipolytica</i> : a highly dynamic enzyme. <i>Journal of Structural Biology</i> , <b>2006</b> , 154, 269-79	3.4	111
78	Substrate-inducible versions of internal alternative NADH: ubiquinone oxidoreductase from <i>Yarrowia lipolytica</i> . <i>Yeast</i> , <b>2006</b> , 23, 1129-36	3.4	8
77	Analogues of cytotoxic squamocin using reliable reactions: new insights into the reactivity and role of the $\beta$ -unsaturated lactone of the annonaceous acetogenins. <i>Tetrahedron</i> , <b>2006</b> , 62, 6248-6257	2.4	15
76	Cluster N1 of complex I from <i>Yarrowia lipolytica</i> studied by pulsed EPR spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , <b>2006</b> , 11, 343-50	3.7	14
75	Superoxide radical formation by pure complex I (NADH:ubiquinone oxidoreductase) from <i>Yarrowia lipolytica</i> . <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 30129-35	5.4	131
74	Functional sulfurtransferase is associated with mitochondrial complex I from <i>Yarrowia lipolytica</i> , but is not required for assembly of its iron-sulfur clusters. <i>FEBS Letters</i> , <b>2005</b> , 579, 6781-5	3.8	28
73	Remarkable substituent effect: beta-aminosquamocin, a potent dual inhibitor of mitochondrial complexes I and III. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2005</b> , 1709, 191-4	4.6	9
72	Proton pumping by complex I (NADH:ubiquinone oxidoreductase) from <i>Yarrowia lipolytica</i> reconstituted into proteoliposomes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2005</b> , 1710, 87-95	4.6	36
71	Structure-function relationships in mitochondrial complex I of the strictly aerobic yeast <i>Yarrowia lipolytica</i> . <i>Biochemical Society Transactions</i> , <b>2005</b> , 33, 840-4	5.1	17
70	5-Hydroxydecanoate is metabolised in mitochondria and creates a rate-limiting bottleneck for beta-oxidation of fatty acids. <i>Journal of Physiology</i> , <b>2005</b> , 562, 307-18	3.9	69
69	Histidine 129 in the 75-kDa subunit of mitochondrial complex I from <i>Yarrowia lipolytica</i> is not a ligand for [Fe4S4] cluster N5 but is required for catalytic activity. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 5622-5	5.4	16
68	HDQ (1-hydroxy-2-dodecyl-4(1H)quinolone), a high affinity inhibitor for mitochondrial alternative NADH dehydrogenase: evidence for a ping-pong mechanism. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 3138-42	5.4	50
67	Proteomic and functional analyses reveal a mitochondrial dysfunction in P301L tau transgenic mice. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 23802-14	5.4	289
66	Functional significance of conserved histidines and arginines in the 49-kDa subunit of mitochondrial complex I. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 21193-9	5.4	66
65	Significance of respirasomes for the assembly/stability of human respiratory chain complex I. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 36349-53	5.4	242
64	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> , <b>2004</b> , 271, 3588-95		9
63	Analysis of dichlorodihydrofluorescein and dihydrocalcein as probes for the detection of intracellular reactive oxygen species. <i>Free Radical Research</i> , <b>2004</b> , 38, 1257-67	4	111
62	Synthesis and inhibitory action of novel acetogenin mimics with bovine heart mitochondrial complex I. <i>Biochemistry</i> , <b>2004</b> , 43, 3651-8	3.2	33



61	Relaxation filtered hyperfine (REFINE) spectroscopy: a novel tool for studying overlapping biological electron paramagnetic resonance signals applied to mitochondrial complex I. <i>Biochemistry</i> , <b>2004</b> , 43, 3969-78	3.2	25
60	Subunit composition of mitochondrial complex I from the yeast <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2004</b> , 1658, 148-56	4.6	71
59	Application of the yeast <i>Yarrowia lipolytica</i> as a model to analyse human pathogenic mutations in mitochondrial complex I (NADH:ubiquinone oxidoreductase). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2004</b> , 1659, 197-205	4.6	32
58	Structural Analysis and Subunit Localization of Complex I from <i>Yarrowia lipolytica</i> . <i>Microscopy and Microanalysis</i> , <b>2004</b> , 10, 228-229	0.5	
57	Respiratory Chain Complex I <b>2004</b> , 676-680		
56	Two aspartic acid residues in the PSST-homologous NUKM subunit of complex I from <i>Yarrowia lipolytica</i> are essential for catalytic activity. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 42435-40	5.4	41
55	Functional implications from an unexpected position of the 49-kDa subunit of NADH:ubiquinone oxidoreductase. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 29072-8	5.4	74
54	Proton pumping by NADH:ubiquinone oxidoreductase. A redox driven conformational change mechanism?. <i>FEBS Letters</i> , <b>2003</b> , 545, 9-17	3.8	120
53	Cardiolipin stabilizes respiratory chain supercomplexes. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 52873-80	3.4	605
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