

# Ulrich Brandt

## List of Publications by Year in descending order

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191  
papers

17,103  
citations

10351

72  
h-index

16127

124  
g-index

214  
all docs

214  
docs citations

214  
times ranked

17414  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Converting NADH: Quinone Oxidoreductase (Complex I). Annual Review of Biochemistry, 2006, 75, 69-92.	5.0	719
2	Cardiolipin Stabilizes Respiratory Chain Supercomplexes. Journal of Biological Chemistry, 2003, 278, 52873-52880.	1.6	701
3	Amyloid- $\beta$ and tau synergistically impair the oxidative phosphorylation system in triple transgenic Alzheimer's disease mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20057-20062.	3.3	581
4	Molecular Mechanisms of Superoxide Production by the Mitochondrial Respiratory Chain. Advances in Experimental Medicine and Biology, 2012, 748, 145-169.	0.8	413
5	Mitochondrial dysfunction: An early event in Alzheimer pathology accumulates with age in AD transgenic mice. Neurobiology of Aging, 2009, 30, 1574-1586.	1.5	395
6	Mechanistic insight from the crystal structure of mitochondrial complex I. Science, 2015, 347, 44-49.	6.0	366
7	Proteomic and Functional Analyses Reveal a Mitochondrial Dysfunction in P301L Tau Transgenic Mice. Journal of Biological Chemistry, 2005, 280, 23802-23814.	1.6	362
8	Functional Modules and Structural Basis of Conformational Coupling in Mitochondrial Complex I. Science, 2010, 329, 448-451.	6.0	353
9	The Protonmotive Q Cycle in Mitochondria and Bacteria. Critical Reviews in Biochemistry and Molecular Biology, 1994, 29, 165-197.	2.3	327
10	The Assembly Pathway of Mitochondrial Respiratory Chain Complex I. Cell Metabolism, 2017, 25, 128-139.	7.2	325
11	The Mechanism of Mitochondrial Superoxide Production by the Cytochrome bc <sub>1</sub> Complex. Journal of Biological Chemistry, 2008, 283, 21649-21654.	1.6	313
12	K ATP channel-independent targets of diazoxide and 5-hydroxydecanoate in the heart. Journal of Physiology, 2002, 542, 735-741.	1.3	301
13	Mitochondrial Telomerase Reverse Transcriptase Binds to and Protects Mitochondrial DNA and Function From Damage. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 929-935.	1.1	294
14	Significance of Respirasomes for the Assembly/Stability of Human Respiratory Chain Complex I. Journal of Biological Chemistry, 2004, 279, 36349-36353.	1.6	287
15	Three Classes of Inhibitors Share a Common Binding Domain in Mitochondrial Complex I (NADH:Ubiquinone Oxidoreductase). Journal of Biological Chemistry, 1999, 274, 2625-2630.	1.6	286
16	Mitochondrion-Derived Reactive Oxygen Species Lead to Enhanced Amyloid Beta Formation. Antioxidants and Redox Signaling, 2012, 16, 1421-1433.	2.5	273
17	Identification and Characterization of a Novel 9.2-kDa Membrane Sector-associated Protein of Vacuolar Proton-ATPase from Chromaffin Granules. Journal of Biological Chemistry, 1998, 273, 10939-10947.	1.6	270
18	LRPPRC is necessary for polyadenylation and coordination of translation of mitochondrial mRNAs. EMBO Journal, 2012, 31, 443-456.	3.5	264

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19	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
20	Structure and function of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 902-914.	0.5	252
21	Proton-translocation by membrane-bound NADH:ubiquinone-oxidoreductase (complex I) through redox-gated ligand conduction. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1318, 79-91.	0.5	191
22	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
23	Halothane, isoflurane and sevoflurane inhibit NADH: ubiquinone oxidoreductase (complex I) of cardiac mitochondria. <i>Journal of Physiology</i> , 2002, 544, 687-693.	1.3	180
24	Mitochondrial dysfunction, peroxidation damage and changes in glutathione metabolism in PARK6. <i>Neurobiology of Disease</i> , 2007, 25, 401-411.	2.1	180
25	Statin-Induced Myopathy Is Associated with Mitochondrial Complex III Inhibition. <i>Cell Metabolism</i> , 2015, 22, 399-407.	7.2	180
26	Secondary mitochondrial dysfunction in propionic aciduria: a pathogenic role for endogenous mitochondrial toxins. <i>Biochemical Journal</i> , 2006, 398, 107-112.	1.7	163
27	The iron-sulphur protein Ind1 is required for effective complex I assembly. <i>EMBO Journal</i> , 2008, 27, 1736-1746.	3.5	158
28	The m-AAA Protease Associated with Neurodegeneration Limits MCU Activity in Mitochondria. <i>Molecular Cell</i> , 2016, 64, 148-162.	4.5	153
29	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
30	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
31	Mechanism of Thiazolidinedione-Dependent Cell Death in Jurkat T Cells. <i>Molecular Pharmacology</i> , 2007, 71, 1535-1544.	1.0	145
32	Generator-specific targets of mitochondrial reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2015, 78, 1-10.	1.3	145
33	Superoxide Radical Formation by Pure Complex I (NADH:Ubiquinone Oxidoreductase) from <i>Yarrowia lipolytica</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 30129-30135.	1.6	144
34	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
35	Characterisation of binding of the methoxyacrylate inhibitors to mitochondrial cytochrome c reductase. <i>FEBS Journal</i> , 1988, 173, 499-506.	0.2	139
36	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

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37	A Central Functional Role for the 49-kDa Subunit within the Catalytic Core of Mitochondrial Complex I. <i>Journal of Biological Chemistry</i> , 2001, 276, 24082-24087.	1.6	133
38	Analysis of Dichlorodihydrofluorescein and Dihydrocalcein as Probes for the Detection of Intracellular Reactive Oxygen Species. <i>Free Radical Research</i> , 2004, 38, 1257-1267.	1.5	133
39	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
40	Proton pumping by NADH:ubiquinone oxidoreductase. A redox driven conformational change mechanism?. <i>FEBS Letters</i> , 2003, 545, 9-17.	1.3	128
41	Oligomeric and fibrillar species of $\hat{A}^2$ -amyloid ( $A\hat{I}^{242}$ ) both impair mitochondrial function in P301L tau transgenic mice. <i>Journal of Molecular Medicine</i> , 2008, 86, 1255-1267.	1.7	123
42	Primary Skin Fibroblasts as a Model of Parkinson's Disease. <i>Molecular Neurobiology</i> , 2012, 46, 20-27.	1.9	121
43	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
44	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
45	Bifurcated ubihydroquinone oxidation in the cytochromebc1complex by proton-gated charge transfer. <i>FEBS Letters</i> , 1996, 387, 1-6.	1.3	114
46	The three-dimensional structure of complex I from <i>Yarrowia lipolytica</i> : A highly dynamic enzyme. <i>Journal of Structural Biology</i> , 2006, 154, 269-279.	1.3	114
47	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
48	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
49	Mitochondrial complex I is deficient in renal oncocytomas. <i>Carcinogenesis</i> , 2003, 24, 1461-1466.	1.3	109
50	Role of Deprotonation Events in Ubihydroquinone:Cytochrome c Oxidoreductase from Bovine Heart and Yeast Mitochondria. <i>Biochemistry</i> , 1997, 36, 11234-11240.	1.2	105
51	Exploring the Ubiquinone Binding Cavity of Respiratory Complex I. <i>Journal of Biological Chemistry</i> , 2007, 282, 29514-29520.	1.6	98
52	The structure of eukaryotic and prokaryotic complex I. <i>Journal of Structural Biology</i> , 2010, 169, 81-88.	1.3	98
53	Cryo-EM structure of respiratory complex I at work. <i>ELife</i> , 2018, 7, .	2.8	98
54	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

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55	The Three Families of Respiratory NADH Dehydrogenases. , 2008, 45, 185-222.		95
56	Phospholipid specificity of bovine heart bc1 complex. FEBS Journal, 1990, 190, 123-130.	0.2	93
57	Yarrowia lipolytica, a yeast genetic system to study mitochondrial complex I. Biochimica Et Biophysica Acta - Bioenergetics, 2002, 1555, 83-91.	0.5	93
58	The LYR protein subunit NB4M/NDUFA6 of mitochondrial complex I anchors an acyl carrier protein and is essential for catalytic activity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5207-5212.	3.3	93
59	Architecture of complex I and its implications for electron transfer and proton pumping. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 574-583.	0.5	90
60	Biophysical and structural characterization of proton-translocating NADH-dehydrogenase (complex) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2000, 1459, 230-238.	0.5	85
61	The Molecular Basis for the Natural Resistance of the Cytochrome bc1 Complex from Strobilurin-Producing Basidiomycetes to Center QP Inhibitors. FEBS Journal, 1996, 235, 54-63.	0.2	84
62	A scaffold of accessory subunits links the peripheral arm and the distal proton-pumping module of mitochondrial complex I. Biochemical Journal, 2011, 437, 279-288.	1.7	84
63	Mutations in ATP6V1E1 or ATP6V1A Cause Autosomal-Recessive Cutis Laxa. American Journal of Human Genetics, 2017, 100, 216-227.	2.6	82
64	[7] Ubiquinol-cytochrome-c reductase from human and bovine mitochondria. Methods in Enzymology, 1995, 260, 82-96.	0.4	81
65	Exploring the inhibitor binding pocket of respiratory complex I. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 660-665.	0.5	81
66	Functional Dissection of the Proton Pumping Modules of Mitochondrial Complex I. PLoS Biology, 2011, 9, e1001128.	2.6	81
67	Locking loop movement in the ubiquinone pocket of complex I disengages the proton pumps. Nature Communications, 2018, 9, 4500.	5.8	80
68	A salvage pathway maintains highly functional respiratory complex I. Nature Communications, 2020, 11, 1643.	5.8	80
69	Analysis of inhibitor binding to the mitochondrial cytochrome c reductase by fluorescence quench titration. Evidence for a 'catalytic switch' at the Qo center. FEBS Journal, 1991, 195, 163-170.	0.2	79
70	Efficient large scale purification of his-tagged proton translocating NADH:ubiquinone oxidoreductase (complex I) from the strictly aerobic yeast Yarrowia lipolytica. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1504, 363-370.	0.5	78
71	Subunit composition of mitochondrial complex I from the yeast Yarrowia lipolytica. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1658, 148-156.	0.5	78
72	Functional Implications from an Unexpected Position of the 49-kDa Subunit of NADH:Ubiquinone Oxidoreductase. Journal of Biological Chemistry, 2003, 278, 29072-29078.	1.6	77

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73	Quinone binding and reduction by respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1883-1890.	0.5	76
74	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
75	Subcomplexes of human ATP synthase mark mitochondrial biosynthesis disorders. <i>Annals of Neurology</i> , 2006, 59, 265-275.	2.8	75
76	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
77	Subunit mass fingerprinting of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1384-1391.	0.5	74
78	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
79	Full recovery of the NADH:ubiquinone activity of complex I (NADH:ubiquinone oxidoreductase) from <i>Yarrowia lipolytica</i> by the addition of phospholipids. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1556, 65-72.	0.5	72
80	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
81	NOVA: a software to analyze complexome profiling data. <i>Bioinformatics</i> , 2015, 31, 440-441.	1.8	70
82	Mutational analysis of assembly and function of the iron-sulfur protein of the cytochrome bc <sub>1</sub> complex in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 1993, 25, 245-257.	1.0	69
83	Function of Conserved Acidic Residues in the PSST Homologue of Complex I (NADH:Ubiquinone) Tj ETQq1 1 0.784314 rgBT /Overlock 1,6	1.6	69
84	Two-dimensional native electrophoretic analysis of respiratory supercomplexes from <i>Yarrowia lipolytica</i> . <i>Proteomics</i> , 2009, 9, 2408-2418.	1.3	65
85	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
86	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
87	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
88	Purification of cytochrome-c oxidase retaining its pulsed form. <i>FEBS Journal</i> , 1989, 182, 705-711.	0.2	60
89	Point mutation in cytochrome b of yeast ubihydroquinone:cytochrome-c oxidoreductase causing myxothiazol resistance and facilitated dissociation of the iron-sulfur subunit. <i>FEBS Journal</i> , 1992, 208, 375-380.	0.2	60
90	The chemistry and mechanics of ubihydroquinone oxidation at center P (Qo) of the cytochrome bc <sub>1</sub> complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998, 1365, 261-268.	0.5	59

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91	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
92	Three Molecules of Ubiquinone Bind Specifically to Mitochondrial Cytochrome bc 1Complex. <i>Journal of Biological Chemistry</i> , 2001, 276, 35231-35234.	1.6	56
93	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
94	Kinetic Properties and Ligand Binding of the Eleven-subunit Cytochrome-c Oxidase from <i>Saccharomyces cerevisiae</i> Isolated with a Novel Large-Scale Purification Method. <i>FEBS Journal</i> , 1995, 227, 296-302.	0.2	55
95	Tracing the tail of ubiquinone in mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1776-1784.	0.5	55
96	The Complete Mitochondrial Genome of <i>Yarrowia lipolytica</i> . <i>Comparative and Functional Genomics</i> , 2001, 2, 80-90.	2.0	54
97	Composition and stage dynamics of mitochondrial complexes in <i>Plasmodium falciparum</i> . <i>Nature Communications</i> , 2021, 12, 3820.	5.8	54
98	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
99	Energy conservation by bifurcated electron-transfer in the cytochrome-bc1 complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1275, 41-46.	0.5	51
100	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> , 2003, 278, 42435-42440.	1.6	51
101	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
102	Pterulinic Acid and Pterulone, Two Novel Inhibitors of NADH: Ubiquinone Oxidoreductase (Complex I) Produced by a <i>Pterula</i> Species. I. Production, Isolation and Biological Activities.. <i>Journal of Antibiotics</i> , 1997, 50, 325-329.	1.0	50
103	External alternative NADH:ubiquinone oxidoreductase redirected to the internal face of the mitochondrial inner membrane rescues complex I deficiency in <i>Yarrowia lipolytica</i> . <i>Journal of Cell Science</i> , 2001, 114, 3915-3921.	1.2	49
104	Cytochrome-c Oxidase in Developing Rat Heart Enzymic Properties and Amino-terminal Sequences Suggest Identity of the Fetal Heart and the Adult Liver Isoform. <i>FEBS Journal</i> , 1995, 230, 235-241.	0.2	48
105	Proton translocation in the respiratory chain involving ubiquinone " a hypothetical semiquinone switch mechanism for complex I. <i>BioFactors</i> , 1999, 9, 95-101.	2.6	48
106	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
107	Exploring the catalytic core of complex I by <i>Yarrowia lipolytica</i> yeast genetics. <i>Journal of Bioenergetics and Biomembranes</i> , 2001, 33, 187-196.	1.0	46
108	Application of the obligate aerobic yeast <i>Yarrowia lipolytica</i> as a eucaryotic model to analyse Leigh syndrome mutations in the complex I core subunits PSST and TYKY. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1459, 258-265.	0.5	45



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109	Studies on the effect of stigmatellin derivative on cytochrome band the Rieske iron-sulfur cluster of cytochrome c reductase from bovine heart mitochondria.. FEBS Journal, 1988, 176, 385-389.	0.2	43
110	Reactivity of the Bacillus subtilis succinate dehydrogenase complex with quinones. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1059, 281-285.	0.5	43
111	Proton pumping by complex I (NADH:ubiquinone oxidoreductase) from Yarrowia lipolytica reconstituted into proteoliposomes. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1710, 87-95.	0.5	43
112	Compound heterozygosity for severe and hypomorphic <i>NDUFS2</i> mutations cause non-syndromic LHON-like optic neuropathy. Journal of Medical Genetics, 2017, 54, 346-356.	1.5	43
113	Small single transmembrane domain (STMD) proteins organize the hydrophobic subunits of large membrane protein complexes. FEBS Letters, 2010, 584, 2516-2525.	1.3	39
114	Loss of PINK1 Impairs Stress-Induced Autophagy and Cell Survival. PLoS ONE, 2014, 9, e95288.	1.1	39
115	A high-definition native polyacrylamide gel electrophoresis system for the analysis of membrane complexes. Plant Journal, 2011, 67, 181-194.	2.8	38
116	Application of the yeast Yarrowia lipolytica as a model to analyse human pathogenic mutations in mitochondrial complex I (NADH:ubiquinone oxidoreductase). Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1659, 197-205.	0.5	37
117	Hodgkin and Reed-Sternberg cells of classical Hodgkin lymphoma are highly dependent on oxidative phosphorylation. International Journal of Cancer, 2016, 138, 2231-2246.	2.3	37
118	COmplexome Profiling ALignment (COPAL) reveals remodeling of mitochondrial protein complexes in Barth syndrome. Bioinformatics, 2019, 35, 3083-3091.	1.8	37
119	Synthesis and Inhibitory Action of Novel Acetogenin Mimics with Bovine Heart Mitochondrial Complex I. Biochemistry, 2004, 43, 3651-3658.	1.2	35
120	Functional sulfurtransferase is associated with mitochondrial complex I from Yarrowia lipolytica, but is not required for assembly of its iron-sulfur clusters. FEBS Letters, 2005, 579, 6781-6785.	1.3	35
121	Heterocyclic Analogues of Squamocin as Inhibitors of Mitochondrial Complex I. On the Role of the Terminal Lactone of Annonaceous Acetogenins. Biochemistry, 2006, 45, 2721-2728.	1.2	34
122	Challenges in elucidating structure and mechanism of proton pumping NADH:ubiquinone oxidoreductase (complex I). Journal of Bioenergetics and Biomembranes, 2008, 40, 475-483.	1.0	34
123	Binding of detergents and inhibitors to bovine complex I - a novel purification procedure for bovine complex I retaining full inhibitor sensitivity. Biochimica Et Biophysica Acta - Bioenergetics, 2000, 1459, 77-87.	0.5	33
124	Direct localization of the 51 and 24kDa subunits of mitochondrial complex I by three-dimensional difference imaging. Journal of Structural Biology, 2007, 159, 433-442.	1.3	32
125	MOA-stilbene: A new tool for investigation of the reactions of the chloroplast cytochrome b <sub>f</sub> complex. Photosynthesis Research, 1992, 34, 465-477.	1.6	31
126	Characterization of two different acyl carrier proteins in complex I from Yarrowia lipolytica. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 152-159.	0.5	31



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127	TMEM70 functions in the assembly of complexes I and V. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148202.	0.5	31
128	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
129	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
130	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
131	Relaxation Filtered Hyperfine (REFINE) Spectroscopy: A Novel Tool for Studying Overlapping Biological Electron Paramagnetic Resonance Signals Applied to Mitochondrial Complex I. <i>Biochemistry</i> , 2004, 43, 3969-3978.	1.2	29
132	Superoxide production by cytochrome bc1 complex: A mathematical model. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1643-1652.	0.5	29
133	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
134	Uncoupling activity and physicochemical properties of derivatives of fluazinam. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1992, 1101, 41-47.	0.5	27
135	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
136	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
137	Single electron reduction of "slow" and "fast" cytochrome-coxidase. <i>FEBS Letters</i> , 1991, 293, 101-105.	1.3	26
138	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
139	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
140	ATR-FTIR Redox Difference Spectroscopy of <i>Yarrowia lipolytica</i> and Bovine Complex I. <i>Biochemistry</i> , 2006, 45, 5458-5467.	1.2	23
141	Multifrequency Pulsed Electron Paramagnetic Resonance on Metalloproteins. <i>Accounts of Chemical Research</i> , 2010, 43, 181-189.	7.6	21
142	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
143	Control of ubiquinol oxidation at center P (Qo) of the cytochrome bc1 complex. , 1999, 31, 243-250.		19
144	Structure-function relationships in mitochondrial complex I of the strictly aerobic yeast <i>Yarrowia lipolytica</i> . <i>Biochemical Society Transactions</i> , 2005, 33, 840-844.	1.6	19

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