

Ulrich Brandt

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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	Energy converting NADH:quinone oxidoreductase (complex I). <i>Annual Review of Biochemistry</i> , 2006 , 75, 69-92	29.1	641
185	Cardiolipin stabilizes respiratory chain supercomplexes. <i>Journal of Biological Chemistry</i> , 2003 , 278, 52873-80	3.40	605
184	Amyloid-beta 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, 20057-62	11.5	481
183	Molecular mechanisms of superoxide production by the mitochondrial respiratory chain. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 748, 145-69	3.6	349
182	Mitochondrial dysfunction: an early event in Alzheimer pathology accumulates with age in AD transgenic mice. <i>Neurobiology of Aging</i> , 2009 , 30, 1574-86	5.6	332
181	Functional modules and structural basis of conformational coupling in mitochondrial complex I. <i>Science</i> , 2010 , 329, 448-51	33.3	320
180	Structural biology. Mechanistic insight from the crystal structure of mitochondrial complex I. <i>Science</i> , 2015 , 347, 44-9	33.3	300
179	The protonmotive Q cycle in mitochondria and bacteria. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1994 , 29, 165-97	8.7	291
178	Proteomic and functional analyses reveal a mitochondrial dysfunction in P301L tau transgenic mice. <i>Journal of Biological Chemistry</i> , 2005 , 280, 23802-14	5.4	289
177	The mechanism of mitochondrial superoxide production by the cytochrome bc1 complex. <i>Journal of Biological Chemistry</i> , 2008 , 283, 21649-54	5.4	271
176	Three classes of inhibitors share a common binding domain in mitochondrial complex I (NADH:ubiquinone oxidoreductase). <i>Journal of Biological Chemistry</i> , 1999 , 274, 2625-30	5.4	263
175	K(ATP) channel-independent targets of diazoxide and 5-hydroxydecanoate in the heart. <i>Journal of Physiology</i> , 2002 , 542, 735-41	3.9	260
174	Significance of respirasomes for the assembly/stability of human respiratory chain complex I. <i>Journal of Biological Chemistry</i> , 2004 , 279, 36349-53	5.4	242
173	Identification and characterization of a novel 9.2-kDa membrane sector-associated protein of vacuolar proton-ATPase from chromaffin granules. <i>Journal of Biological Chemistry</i> , 1998 , 273, 10939-47	5.4	222
172	Mitochondrial telomerase reverse transcriptase binds to and protects mitochondrial DNA and function from damage. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 929-35	9.4	216
171	The Assembly Pathway of Mitochondrial Respiratory Chain Complex I. <i>Cell Metabolism</i> , 2017 , 25, 128-139	24.6	215
170	Mitochondrion-derived reactive oxygen species lead to enhanced amyloid beta formation. <i>Antioxidants and Redox Signaling</i> , 2012 , 16, 1421-33	8.4	214

169	Complexome profiling identifies TMEM126B as a component of the mitochondrial complex I assembly complex. <i>Cell Metabolism</i> , 2012 , 16, 538-49	24.6	199
168	LRPPRC is necessary for polyadenylation and coordination of translation of mitochondrial mRNAs. <i>EMBO Journal</i> , 2012 , 31, 443-56	13	195
167	Structure and function of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016 , 1857, 902-14	4.6	174
166	Mitochondrial dysfunction, peroxidation damage and changes in glutathione metabolism in PARK6. <i>Neurobiology of Disease</i> , 2007 , 25, 401-11	7.5	172
165	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	4.6	167
164	Human ind1, an iron-sulfur cluster assembly factor for respiratory complex I. <i>Molecular and Cellular Biology</i> , 2009 , 29, 6059-73	4.8	166
163	Statin-Induced Myopathy Is Associated with Mitochondrial Complex III Inhibition. <i>Cell Metabolism</i> , 2015 , 22, 399-407	24.6	143
162	Halothane, isoflurane and sevoflurane inhibit NADH:ubiquinone oxidoreductase (complex I) of cardiac mitochondria. <i>Journal of Physiology</i> , 2002 , 544, 687-93	3.9	143
161	Secondary mitochondrial dysfunction in propionic aciduria: a pathogenic role for endogenous mitochondrial toxins. <i>Biochemical Journal</i> , 2006 , 398, 107-12	3.8	139
160	Mechanism of thiazolidinedione-dependent cell death in Jurkat T cells. <i>Molecular Pharmacology</i> , 2007 , 71, 1535-44	4.3	136
159	The iron-sulphur protein Ind1 is required for effective complex I assembly. <i>EMBO Journal</i> , 2008 , 27, 1736-46	4.6	135
158	Superoxide radical formation by pure complex I (NADH:ubiquinone oxidoreductase) from <i>Yarrowia lipolytica</i> . <i>Journal of Biological Chemistry</i> , 2005 , 280, 30129-35	5.4	131
157	Characterisation of binding of the methoxyacrylate inhibitors to mitochondrial cytochrome c reductase. <i>FEBS Journal</i> , 1988 , 173, 499-506		125
156	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, 24082-7	5.4	123
155	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, 20907-13	5.4	120
154	Proton pumping by NADH:ubiquinone oxidoreductase. A redox driven conformational change mechanism?. <i>FEBS Letters</i> , 2003 , 545, 9-17	3.8	120
153	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, 4871-87	5.6	114
152	Generator-specific targets of mitochondrial reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2015 , 78, 1-10	7.8	112

151	The three-dimensional structure of complex I from <i>Yarrowia lipolytica</i> : a highly dynamic enzyme. <i>Journal of Structural Biology</i> , 2006 , 154, 269-79	3.4	111
150	Analysis of dichlorodihydrofluorescein and dihydrocalcein as probes for the detection of intracellular reactive oxygen species. <i>Free Radical Research</i> , 2004 , 38, 1257-67	4	111
149	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	4.9	108
148	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	3.7	107
147	Mitochondrial respiratory chain complexes as sources and targets of thiol-based redox-regulation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 1344-54	4	106
146	The proton pumping stoichiometry of purified mitochondrial complex I reconstituted into proteoliposomes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 1575-81	4.6	103
145	The m-AAA Protease Associated with Neurodegeneration Limits MCU Activity in Mitochondria. <i>Molecular Cell</i> , 2016 , 64, 148-162	17.6	100
144	Bifurcated ubihydroquinone oxidation in the cytochrome bc1 complex by proton-gated charge transfer. <i>FEBS Letters</i> , 1996 , 387, 1-6	3.8	100
143	A two-state stabilization-change mechanism for proton-pumping complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 1364-9	4.6	99
142	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> , 2008 , 86, 1255-67	5.5	98
141	The membrane scaffold SLP2 anchors a proteolytic hub in mitochondria containing PARL and the i-AAA protease YME1L. <i>EMBO Reports</i> , 2016 , 17, 1844-1856	6.5	94
140	Role of deprotonation events in ubihydroquinone:cytochrome c oxidoreductase from bovine heart and yeast mitochondria. <i>Biochemistry</i> , 1997 , 36, 11234-40	3.2	92
139	The structure of eukaryotic and prokaryotic complex I. <i>Journal of Structural Biology</i> , 2010 , 169, 81-8	3.4	90
138	Primary skin fibroblasts as a model of Parkinson's disease. <i>Molecular Neurobiology</i> , 2012 , 46, 20-7	6.2	89
137	Mitochondrial complex I is deficient in renal oncocytomas. <i>Carcinogenesis</i> , 2003 , 24, 1461-6	4.6	88
136	Architecture of complex I and its implications for electron transfer and proton pumping. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009 , 1787, 574-83	4.6	86
135	Phospholipid specificity of bovine heart bc1 complex. <i>FEBS Journal</i> , 1990 , 190, 123-30		86
134	Mitochondrial DNA copy number and function decrease with age in the short-lived fish <i>Nothobranchius furzeri</i> . <i>Aging Cell</i> , 2011 , 10, 824-31	9.9	85

133	Exploring the ubiquinone binding cavity of respiratory complex I. <i>Journal of Biological Chemistry</i> , 2007 , 282, 29514-20	5.4	85
132	The three families of respiratory NADH dehydrogenases. <i>Results and Problems in Cell Differentiation</i> , 2008 , 45, 185-222	1.4	83
131	K ⁺ -independent actions of diazoxide question the role of inner membrane KATP channels in mitochondrial cytoprotective signaling. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23733-9	5.4	83
130	Biophysical and structural characterization of proton-translocating NADH-dehydrogenase (complex I) from the strictly aerobic yeast <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000 , 1459, 230-8	4.6	81
129	<i>Yarrowia lipolytica</i> , a yeast genetic system to study mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002 , 1555, 83-91	4.6	80
128	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, 5207-12	11.5	76
127	The molecular basis for the natural resistance of the cytochrome bc1 complex from strobilurin-producing basidiomycetes to center Qp inhibitors. <i>FEBS Journal</i> , 1996 , 235, 54-63		75
126	Functional implications from an unexpected position of the 49-kDa subunit of NADH:ubiquinone oxidoreductase. <i>Journal of Biological Chemistry</i> , 2003 , 278, 29072-8	5.4	74
125	Efficient large scale purification of his-tagged proton translocating NADH:ubiquinone oxidoreductase (complex I) from the strictly aerobic yeast <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2001 , 1504, 363-70	4.6	72
124	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, 279-88	3.8	71
123	Subcomplexes of human ATP synthase mark mitochondrial biosynthesis disorders. <i>Annals of Neurology</i> , 2006 , 59, 265-75	9.4	71
122	Subunit composition of mitochondrial complex I from the yeast <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004 , 1658, 148-56	4.6	71
121	Analysis of inhibitor binding to the mitochondrial cytochrome c reductase by fluorescence quench titration. Evidence for a catalytic switch at the Qo center. <i>FEBS Journal</i> , 1991 , 195, 163-70		70
120	Exploring the inhibitor binding pocket of respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 660-5	4.6	69
119	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, 307-18	3.9	69
118	Subunit mass fingerprinting of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 1384-91	4.6	68
117	The Redox-Bohr group associated with iron-sulfur cluster N2 of complex I. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23013-7	5.4	67
116	Quinone binding and reduction by respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 1883-90	4.6	66

115	Functional significance of conserved histidines and arginines in the 49-kDa subunit of mitochondrial complex I. <i>Journal of Biological Chemistry</i> , 2004 , 279, 21193-9	5.4	66
114	Mutational analysis of assembly and function of the iron-sulfur protein of the cytochrome bc1 complex in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 1993 , 25, 245-57	3.7	66
113	Cryo-EM structure of respiratory complex I at work. <i>ELife</i> , 2018 , 7,	8.9	66
112	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	4.6	65
111	Function of conserved acidic residues in the PSST homologue of complex I (NADH:ubiquinone oxidoreductase) from <i>Yarrowia lipolytica</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 23577-82	5.4	65
110	Functional dissection of the proton pumping modules of mitochondrial complex I. <i>PLoS Biology</i> , 2011 , 9, e1001128	9.7	63
109	Ubiquinol-cytochrome-c reductase from human and bovine mitochondria. <i>Methods in Enzymology</i> , 1995 , 260, 82-96	1.7	62
108	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, 5685-90	11.5	60
107	Mutations in ATP6V1E1 or ATP6V1A Cause Autosomal-Recessive Cutis Laxa. <i>American Journal of Human Genetics</i> , 2017 , 100, 216-227	11	58
106	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, 558-65	4	58
105	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, 625-32	4.6	58
104	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, 375-80		58
103	Two-dimensional native electrophoretic analysis of respiratory supercomplexes from <i>Yarrowia lipolytica</i> . <i>Proteomics</i> , 2009 , 9, 2408-18	4.8	57
102	Locking loop movement in the ubiquinone pocket of complex I disengages the proton pumps. <i>Nature Communications</i> , 2018 , 9, 4500	17.4	55
101	Three molecules of ubiquinone bind specifically to mitochondrial cytochrome bc1 complex. <i>Journal of Biological Chemistry</i> , 2001 , 276, 35231-4	5.4	54
100	A common mechanism links differently acting complex II inhibitors to cardioprotection: modulation of mitochondrial reactive oxygen species production. <i>Molecular Pharmacology</i> , 2011 , 79, 814-22	4.3	53
99	Purification of cytochrome-c oxidase retaining its pulsed form. <i>FEBS Journal</i> , 1989 , 182, 705-11		52
98	The chemistry and mechanics of ubihydroquinone oxidation at center P (Qo) of the cytochrome bc1 complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998 , 1365, 261-8	4.6	50

97	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> , 2005 , 280, 3138-42	5.4	50
96	The complete mitochondrial genome of yarrowia lipolytica. <i>Comparative and Functional Genomics</i> , 2001 , 2, 80-90		50
95	NOVA: a software to analyze complexome profiling data. <i>Bioinformatics</i> , 2015 , 31, 440-1	7.2	48
94	Energy conservation by bifurcated electron-transfer in the cytochrome-bc1 complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996 , 1275, 41-6	4.6	48
93	Pterulinic acid and pterulone, two novel inhibitors of NADH:ubiquinone oxidoreductase (complex I) produced by a Pterula species. I. Production, isolation and biological activities. <i>Journal of Antibiotics</i> , 1997 , 50, 325-9	3.7	47
92	Proton translocation in the respiratory chain involving ubiquinone--a hypothetical semiquinone switch mechanism for complex I. <i>BioFactors</i> , 1999 , 9, 95-101	6.1	46
91	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		45
90	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	5.3	44
89	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, 42435-40	5.4	41
88	Tracing the tail of ubiquinone in mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 1776-84	4.6	40
87	A salvage pathway maintains highly functional respiratory complex I. <i>Nature Communications</i> , 2020 , 11, 1643	17.4	39
86	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, 1676-82	4.6	39
85	Exploring the catalytic core of complex I by <i>Yarrowia lipolytica</i> yeast genetics. <i>Journal of Bioenergetics and Biomembranes</i> , 2001 , 33, 187-96	3.7	39
84	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, 258-65	4.6	39
83	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, 208-16	11	39
82	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		38
81	Reactivity of the <i>Bacillus subtilis</i> succinate dehydrogenase complex with quinones. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1991 , 1059, 281-5	4.6	38
80	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	11	37

79	Studies on the effect of stigmatellin derivatives on cytochrome b and the Rieske iron-sulfur cluster of cytochrome c reductase from bovine heart mitochondria. <i>FEBS Journal</i> , 1988 , 176, 385-9		37
78	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	6.8	37
77	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	4.6	36
76	A high-definition native polyacrylamide gel electrophoresis system for the analysis of membrane complexes. <i>Plant Journal</i> , 2011 , 67, 181-94	6.9	34
75	Loss of PINK1 impairs stress-induced autophagy and cell survival. <i>PLoS ONE</i> , 2014 , 9, e95288	3.7	34
74	Small single transmembrane domain (STMD) proteins organize the hydrophobic subunits of large membrane protein complexes. <i>FEBS Letters</i> , 2010 , 584, 2516-25	3.8	33
73	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, 2721-8	3.2	33
72	Synthesis and inhibitory action of novel acetogenin mimics with bovine heart mitochondrial complex I. <i>Biochemistry</i> , 2004 , 43, 3651-8	3.2	33
71	Binding of detergents and inhibitors to bovine complex I - a novel purification procedure for bovine complex I retaining full inhibitor sensitivity. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000 , 1459, 77-87	4.6	33
70	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> , 2004 , 1659, 197-205	4.6	32
69	Challenges in elucidating structure and mechanism of proton pumping NADH:ubiquinone oxidoreductase (complex I). <i>Journal of Bioenergetics and Biomembranes</i> , 2008 , 40, 475-83	3.7	31
68	Direct localization of the 51 and 24 kDa subunits of mitochondrial complex I by three-dimensional difference imaging. <i>Journal of Structural Biology</i> , 2007 , 159, 433-42	3.4	30
67	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> , 2005 , 579, 6781-5	3.8	28
66	MOA-stilbene: A new tool for investigation of the reactions of the chloroplast cytochrome bf complex. <i>Photosynthesis Research</i> , 1992 , 34, 465-77	3.7	28
65	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	3.9	27
64	Unmasking a temperature-dependent effect of the <i>P. anserina</i> i-AAA protease on aging and development. <i>Cell Cycle</i> , 2011 , 10, 4280-90	4.7	27
63	Characterization of two different acyl carrier proteins in complex I from <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 152-9	4.6	27
62	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, 1455-62	4.6	25

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> , 2004 , 43, 3969-78	3.2	25
60	TMEM70 functions in the assembly of complexes I and V. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020 , 1861, 148202	4.6	24
59	Single electron reduction of slow and fast cytochrome-c oxidase. <i>FEBS Letters</i> , 1991 , 293, 101-5	3.8	24
58	Compound heterozygosity for severe and hypomorphic mutations cause non-syndromic LHON-like optic neuropathy. <i>Journal of Medical Genetics</i> , 2017 , 54, 346-356	5.8	23
57	Superoxide production by cytochrome bc1 complex: a mathematical model. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 1643-52	4.6	23
56	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, 978-82	1.5	23
55	COmplexome Profiling ALignment (COPAL) reveals remodeling of mitochondrial protein complexes in Barth syndrome. <i>Bioinformatics</i> , 2019 , 35, 3083-3091	7.2	22
54	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	4.6	22
53	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, 1401-7	4.8	22
52	ATR-FTIR redox difference spectroscopy of <i>Yarrowia lipolytica</i> and bovine complex I. <i>Biochemistry</i> , 2006 , 45, 5458-67	3.2	21
51	Uncoupling activity and physicochemical properties of derivatives of fluazinam. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1992 , 1101, 41-7	4.6	21
50	Multifrequency pulsed electron paramagnetic resonance on metalloproteins. <i>Accounts of Chemical Research</i> , 2010 , 43, 181-9	24.3	19
49	Hodgkin and Reed-Sternberg cells of classical Hodgkin lymphoma are highly dependent on oxidative phosphorylation. <i>International Journal of Cancer</i> , 2016 , 138, 2231-46	7.5	19
48	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	4.6	18
47	Xentrivalpeptides A-Q: depsipeptide diversification in <i>Xenorhabdus</i> . <i>Journal of Natural Products</i> , 2012 , 75, 1717-22	4.9	17
46	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, 118-29	3.7	17
45	Structure-function relationships in mitochondrial complex I of the strictly aerobic yeast <i>Yarrowia lipolytica</i> . <i>Biochemical Society Transactions</i> , 2005 , 33, 840-4	5.1	17
44	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> , 2005 , 280, 5622-5	5.4	16

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