

# Thorsten Friedrich

## List of Publications by Year in descending order

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124  
papers

5,882  
citations

81900

39  
h-index

76900

74  
g-index

150  
all docs

150  
docs citations

150  
times ranked

3973  
citing authors

#	ARTICLE	IF	CITATIONS
1	The respiratory chain NADH dehydrogenase (complex I) of mitochondria. FEBS Journal, 1991, 197, 563-576.	0.2	462
2	The Gene Locus of the Proton-translocating NADH : Ubiquinone Oxidoreductase in Escherichia coli. Journal of Molecular Biology, 1993, 233, 109-122.	4.2	316
3	The respiratory complex I of bacteria, archaea and eukarya and its module common with membrane-bound multisubunit hydrogenases. FEBS Letters, 2000, 479, 1-5.	2.8	313
4	The proton-pumping respiratory complex I of bacteria and mitochondria and its homologue in chloroplasts. FEBS Letters, 1995, 367, 107-111.	2.8	255
5	Isolation and Characterization of the Proton-translocating NADH:ubiquinone Oxidoreductase from Escherichia coli. FEBS Journal, 1995, 230, 538-548.	0.2	254
6	Two binding sites of inhibitors in NADH:ubiquinone oxidoreductase (complex I). Relationship of one site with the ubiquinone-binding site of bacterial glucose:ubiquinone oxidoreductase. FEBS Journal, 1994, 219, 691-698.	0.2	233
7	Consistent structure between bacterial and mitochondrial NADH:ubiquinone oxidoreductase (complex I). Journal of Molecular Biology, 1998, 276, 105-112.	4.2	228
8	Modular Evolution of the Respiratory NADH:Ubiquinone Oxidoreductase and the Origin of its Modules. Journal of Theoretical Biology, 1997, 187, 529-540.	1.7	214
9	The NADH:ubiquinone oxidoreductase (complex I) from Escherichia coli. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1364, 134-146.	1.0	173
10	Complex I: a chimaera of a redox and conformation-driven proton pump?. Journal of Bioenergetics and Biomembranes, 2001, 33, 169-177.	2.3	149
11	Quantifying the heterogeneity of macromolecular machines by mass photometry. Nature Communications, 2020, 11, 1772.	12.8	146
12	A small isoform of NADH: ubiquinone oxidoreductase (complex I) without mitochondrially encoded subunits is made in chloramphenicol-treated Neurospora crassa. FEBS Journal, 1989, 180, 173-180.	0.2	136
13	The gross structure of the respiratory complex I: a Lego System. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1608, 1-9.	1.0	127
14	A Kazal-type inhibitor with thrombin specificity from Rhodnius prolixus. Journal of Biological Chemistry, 1993, 268, 16216-22.	3.4	125
15	Identification and characterization of the tungsten-containing class of benzoyl-coenzyme A reductases. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17687-17692.	7.1	112
16	Single-molecule in vivo imaging of bacterial respiratory complexes indicates delocalized oxidative phosphorylation. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 811-824.	1.0	111
17	Menaquinone as pool quinone in a purple bacterium. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8549-8554.	7.1	107
18	FT-IR Spectroscopic Characterization of NADH:Ubiquinone Oxidoreductase (Complex I) from Escherichia coli: Oxidation of FeS Cluster N2 is Coupled with the Protonation of an Aspartate or Glutamate Side Chain. Biochemistry, 2000, 39, 10884-10891.	2.5	91

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19	A Novel, Enzymatically Active Conformation of the Escherichia coli NADH:Ubiquinone Oxidoreductase (Complex I). <i>Journal of Biological Chemistry</i> , 2002, 277, 17970-17977.	3.4	88
20	The Escherichia coli NADH:Ubiquinone Oxidoreductase (Complex I) Is a Primary Proton Pump but May Be Capable of Secondary Sodium Antiport. <i>Journal of Biological Chemistry</i> , 2004, 279, 18377-18383.	3.4	88
21	Characterization of the Overproduced NADH Dehydrogenase Fragment of the NADH:Ubiquinone Oxidoreductase (Complex I) from <i>Escherichia coli</i> . <i>Biochemistry</i> , 1998, 37, 1861-1867.	2.5	79
22	Iron <sup>2+</sup> -Sulfur Cluster N7 of the NADH:Ubiquinone Oxidoreductase (Complex I) Is Essential for Stability but Not Involved in Electron Transfer. <i>Biochemistry</i> , 2007, 46, 6588-6596.	2.5	73
23	Identification of Two Tetranuclear FeS Clusters on the Ferredoxin-Type Subunit of NADH:Ubiquinone Oxidoreductase (Complex I). <i>Biochemistry</i> , 2001, 40, 6124-6131.	2.5	72
24	Role of Subunit NuoL for Proton Translocation by Respiratory Complex I. <i>Biochemistry</i> , 2011, 50, 3386-3393.	2.5	68
25	Subunit CydX of <i>Escherichia coli</i> cytochrome <i>bd</i> ubiquinol oxidase is essential for assembly and stability of the heme active site. <i>FEBS Letters</i> , 2014, 588, 1537-1541.	2.8	68
26	Lambda Red-Mediated Mutagenesis and Efficient Large Scale Affinity Purification of the Escherichia coli NADH:Ubiquinone Oxidoreductase (Complex I). <i>Biochemistry</i> , 2007, 46, 10694-10702.	2.5	67
27	Cytochrome bd Displays Significant Quinol Peroxidase Activity. <i>Scientific Reports</i> , 2016, 6, 27631.	3.3	67
28	Homologous bd oxidases share the same architecture but differ in mechanism. <i>Nature Communications</i> , 2019, 10, 5138.	12.8	65
29	Amphiphilic Copolymer Membranes Promote NADH:Ubiquinone Oxidoreductase Activity: Towards an Electron Transfer Nanodevice. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 229-238.	2.2	63
30	The Ubiquinone-binding Site in NADH:Ubiquinone Oxidoreductase from Escherichia coli. <i>Journal of Biological Chemistry</i> , 2003, 278, 25731-25737.	3.4	62
31	Electron Tunneling Rates in Respiratory Complex I Are Tuned for Efficient Energy Conversion. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2844-2848.	13.8	61
32	Aromatic Amino Acids as Stepping Stones in Charge Transfer in Respiratory Complex I: An Unusual Mechanism Deduced from Atomistic Theory and Bioinformatics. <i>Journal of the American Chemical Society</i> , 2009, 131, 8134-8140.	13.7	57
33	The multitude of iron-sulfur clusters in respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1068-1072.	1.0	57
34	An oxygenase that forms and deoxygenates toxic epoxide. <i>Nature</i> , 2012, 483, 359-362.	27.8	55
35	Overexpression of the <i>Escherichia coli</i> <i>nuo</i> -Operon and Isolation of the Overproduced NADH:Ubiquinone Oxidoreductase (Complex I). <i>Biochemistry</i> , 1999, 38, 16261-16267.	2.5	49
36	Disruption of individual <i>nuo</i> -genes leads to the formation of partially assembled NADH:ubiquinone oxidoreductase (complex I) in Escherichia coli. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 863-871.	1.0	46

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37	Investigating the function of [2Fe-2S] cluster N1a, the off-pathway cluster in complex I, by manipulating its reduction potential. <i>Biochemical Journal</i> , 2013, 456, 139-146.	3.7	44
38	Characterization of two novel redox groups in the respiratory NADH:ubiquinone oxidoreductase (complex I). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1459, 305-309.	1.0	43
39	On the mechanism of respiratory complex I. <i>Journal of Bioenergetics and Biomembranes</i> , 2014, 46, 255-268.	2.3	42
40	Mass Photometry of Membrane Proteins. <i>CheM</i> , 2021, 7, 224-236.	11.7	39
41	Heterologous Production, Isolation, Characterization and Crystallization of a Soluble Fragment of the NADH:Ubiquinone Oxidoreductase (Complex I) from <i>Aquifex aeolicus</i> . <i>Biochemistry</i> , 2008, 47, 13036-13045.	2.5	37
42	Assembly of the Escherichia coli NADH:ubiquinone oxidoreductase (respiratory complex I). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 214-223.	1.0	37
43	A mechanism to prevent production of reactive oxygen species by Escherichia coli respiratory complex I. <i>Nature Communications</i> , 2019, 10, 2551.	12.8	37
44	The clerodane diterpene casearin J induces apoptosis of T-ALL cells through SERCA inhibition, oxidative stress, and interference with Notch1 signaling. <i>Cell Death and Disease</i> , 2016, 7, e2070-e2070.	6.3	36
45	Water-Gated Proton Transfer Dynamics in Respiratory Complex I. <i>Journal of the American Chemical Society</i> , 2020, 142, 13718-13728.	13.7	36
46	Biomimetic Environment to Study <i>E. coli</i> Complex I through Surface-Enhanced IR Absorption Spectroscopy. <i>Biochemistry</i> , 2014, 53, 6340-6347.	2.5	34
47	EPR Signals Assigned to Fe/S Cluster N1c of the Escherichia coli NADH:Ubiquinone Oxidoreductase (Complex I) Derive from Cluster N1a. <i>Biochemistry</i> , 2005, 44, 1653-1658.	2.5	33
48	<i>Escherichia coli</i> NADH dehydrogenase I, a minimal form of the mitochondrial complex I. <i>Biochemical Society Transactions</i> , 1993, 21, 998-1001.	3.4	32
49	Involvement of Tyrosines 114 and 139 of Subunit NuoB in the Proton Pathway around Cluster N2 in Escherichia coli NADH:Ubiquinone Oxidoreductase. <i>Journal of Biological Chemistry</i> , 2003, 278, 3055-3062.	3.4	31
50	Formation of a Dinuclear Copper(I) Complex from the <i>Clostridium</i> -Derived Antibiotic Closthioamide. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10745-10748.	13.8	31
51	Chloroplast DnaJ-like proteins 3 and 4 (CDJ3/4) from <i>Chlamydomonas reinhardtii</i> contain redox-active Fe-S clusters and interact with stromal HSP70B. <i>Biochemical Journal</i> , 2010, 427, 205-215.	3.7	30
52	Organization of the <i>Escherichia coli</i> aerobic enzyme complexes of oxidative phosphorylation in dynamic domains within the cytoplasmic membrane. <i>MicrobiologyOpen</i> , 2014, 3, 316-326.	3.0	30
53	Effects of the deletion of the Escherichia coli frataxin homologue CyaY on the respiratory NADH:ubiquinone oxidoreductase. <i>BMC Biochemistry</i> , 2007, 8, 13.	4.4	26
54	Iron-sulfur cluster carrier proteins involved in the assembly of <i>Escherichia coli</i> NADH:ubiquinone oxidoreductase (complex I). <i>Molecular Microbiology</i> , 2019, 111, 31-45.	2.5	26

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55	Structure of <i>Escherichia coli</i> cytochrome <i>bd</i> -II type oxidase with bound aurachin D. <i>Nature Communications</i> , 2021, 12, 6498.	12.8	25
56	Reduction of the off-pathway iron-sulphur cluster N1a of <i>Escherichia coli</i> respiratory complex I restrains NAD <sup>+</sup> dissociation. <i>Scientific Reports</i> , 2017, 7, 8754.	3.3	24
57	Asp563 of the horizontal helix of subunit NuoL is involved in proton translocation by the respiratory complex I. <i>FEBS Letters</i> , 2012, 586, 699-704.	2.8	23
58	Adjacent cysteines are capable of ligating the same tetranuclear iron-sulfur cluster. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 56, 556-563.	2.6	21
59	Far- and Mid-Infrared Spectroscopic Analysis of the Substrate-Induced Structural Dynamics of Respiratory Complex I. <i>ChemPhysChem</i> , 2011, 12, 217-224.	2.1	21
60	Mutations in respiratory complex I promote antibiotic persistence through alterations in intracellular acidity and protein synthesis. <i>Nature Communications</i> , 2022, 13, 546.	12.8	21
61	Recent Advances in Structural Studies of Cytochrome <i>bd</i> and Its Potential Application as a Drug Target. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3166.	4.1	21
62	Identification of FeS clusters in the glycyl-radical enzyme benzylsuccinate synthase via EPR and Mössbauer spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 49-56.	2.6	20
63	Redox-induced conformational changes within the <i>Escherichia coli</i> NADH ubiquinone oxidoreductase (complex I): An analysis by mutagenesis and FT-IR spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 659-663.	1.0	18
64	Cysteine scanning reveals minor local rearrangements of the horizontal helix of respiratory complex I. <i>Molecular Microbiology</i> , 2015, 98, 151-161.	2.5	18
65	Inhibition of <i>Escherichia coli</i> Respiratory Complex I by Zn <sup>2+</sup> . <i>Biochemistry</i> , 2014, 53, 6332-6339.	2.5	17
66	The <i>cbb</i> <sub>3</sub> -type cytochrome oxidase assembly factor CcoG is a widely distributed cupric reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21166-21175.	7.1	17
67	The long Q-loop of <i>Escherichia coli</i> cytochrome <i>bd</i> oxidase is required for assembly and structural integrity. <i>FEBS Letters</i> , 2020, 594, 1577-1585.	2.8	17
68	Engineering the Respiratory Complex I to Energy-converting NADPH:Ubiquinone Oxidoreductase. <i>Journal of Biological Chemistry</i> , 2011, 286, 34627-34634.	3.4	16
69	Spin labeling of the <i>Escherichia coli</i> NADH ubiquinone oxidoreductase (complex I). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1894-1900.	1.0	15
70	Methanoferrodoxin represents a new class of superoxide reductase containing an iron-sulfur cluster. <i>FEBS Journal</i> , 2011, 278, 442-451.	4.7	15
71	Characterization of Two Quinone Radicals in the NADH:Ubiquinone Oxidoreductase from <i>Escherichia coli</i> by a Combined Fluorescence Spectroscopic and Electrochemical Approach. <i>Biochemistry</i> , 2013, 52, 8993-9000.	2.5	14
72	Reactive Oxygen Species Production by <i>Escherichia coli</i> Respiratory Complex I. <i>Biochemistry</i> , 2015, 54, 2799-2801.	2.5	14

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73	Photolysis of Caged Inositol Pyrophosphate InsP8 Directly Modulates Intracellular Ca <sup>2+</sup> Oscillations and Controls C2AB Domain Localization. <i>Journal of the American Chemical Society</i> , 2020, 142, 10606-10611.	13.7	13
74	Structure of the peripheral arm of a minimalistic respiratory complex I. <i>Structure</i> , 2022, 30, 80-94.e4.	3.3	13
75	Creation of a gold nanoparticle based electrochemical assay for the detection of inhibitors of bacterial cytochrome bd oxidases. <i>Bioelectrochemistry</i> , 2016, 111, 109-114.	4.6	12
76	A Quinol Anion as Catalytic Intermediate Coupling Proton Translocation With Electron Transfer in E. coli Respiratory Complex I. <i>Frontiers in Chemistry</i> , 2021, 9, 672969.	3.6	12
77	The Rnf complex from the acetogenic bacterium <i>Acetobacterium woodii</i> : Purification and characterization of RnfC and RnfB. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148263.	1.0	10
78	CyaC, a redox-regulated adenylate cyclase of <i>Sinorhizobium meliloti</i> with a quinone responsive diheme membrane anchor domain. <i>Molecular Microbiology</i> , 2019, 112, 16-28.	2.5	8
79	Structural Basis for Inhibition of ROS-Producing Respiratory Complex I by NADH. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27277-27281.	13.8	8
80	A Cobalamin-Dependent Radical SAM Enzyme Catalyzes the Unique C <sup>1</sup> -Methylation of Glutamine in Methyl-Coenzyme-M Reductase. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
81	Significance of [2Fe-2S] Cluster N1a for Electron Transfer and Assembly of <i>Escherichia coli</i> Respiratory Complex I. <i>Biochemistry</i> , 2017, 56, 2770-2778.	2.5	7
82	Charge transfer through a fragment of the respiratory complex I and its regulation: an atomistic simulation approach. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20023-20032.	2.8	7
83	Visualizing the movement of the amphipathic helix in the respiratory complex I using a nitrile infrared probe and SEIRAS. <i>FEBS Letters</i> , 2020, 594, 491-496.	2.8	7
84	Wide Distribution of Foxicin Biosynthetic Gene Clusters in <i>Streptomyces</i> Strains – An Unusual Secondary Metabolite with Various Properties. <i>Frontiers in Microbiology</i> , 2017, 8, 221.	3.5	6
85	Low cost, microcontroller based heating device for multi-wavelength differential scanning fluorimetry. <i>Scientific Reports</i> , 2018, 8, 1457.	3.3	6
86	Stabilization of the Highly Hydrophobic Membrane Protein, Cytochrome bd Oxidase, on Metallic Surfaces for Direct Electrochemical Studies. <i>Molecules</i> , 2020, 25, 3240.	3.8	6
87	Biochemical consequences of two clinically relevant ND-gene mutations in <i>Escherichia coli</i> respiratory complex I. <i>Scientific Reports</i> , 2021, 11, 12641.	3.3	6
88	Identification and optimization of quinolone-based inhibitors against cytochrome bd oxidase using an electrochemical assay. <i>Electrochimica Acta</i> , 2021, 381, 138293.	5.2	6
89	Electrocatalytic evidence of the diversity of the oxygen reaction in the bacterial bd oxidase from different organisms. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148436.	1.0	6
90	Respiratory complex I with charge symmetry in the membrane arm pumps protons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	6

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91	Redox cofactors insertion in prokaryotic molybdoenzymes occurs via a conserved folding mechanism. <i>Scientific Reports</i> , 2016, 6, 37743.	3.3	4
92	Infrared spectroscopic studies on reaction induced conformational changes in the NADH ubiquinone oxidoreductase (complex I). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 922-927.	1.0	4
93	Die Elektronentunnelraten im Atmungskettenkomplex I sind auf eine effiziente Energiewandlung abgestimmt. <i>Angewandte Chemie</i> , 2015, 127, 2886-2890.	2.0	3
94	On the Mechanism of the Respiratory Complex I. , 2012, , 23-59.		2
95	ErpA is important but not essential for the Fe/S cluster biogenesis of <i>Escherichia coli</i> NADH:ubiquinone oxidoreductase (complex I). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148286.	1.0	2
96	The N-terminal domains of the paralogous HycE and NuoCD govern assembly of the respective formate hydrogenlyase and NADH dehydrogenase complexes. <i>FEBS Open Bio</i> , 2020, 10, 371-385.	2.3	2
97	Detection of ubiquinone radicals in <i>Escherichia coli</i> respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S55-S56.	1.0	1
98	Involvement of Acidic Amino Acid Residues in Zn <sup>2+</sup> Binding to Respiratory Complex I. <i>ChemBioChem</i> , 2015, 16, 2080-2085.	2.6	1
99	Characterisation of the redox centers of ethylbenzene dehydrogenase. <i>Journal of Biological Inorganic Chemistry</i> , 2021, , 1.	2.6	1
100	The clinically relevant triple mutation in the mtND1 gene inactivates <i>Escherichia coli</i> complex I. <i>FEBS Letters</i> , 2022, 596, 1124-1132.	2.8	1
101	Localization and dynamics of the OXPHOS complexes in <i>Escherichia coli</i> by in-vivo fluorescence microscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 14.	1.0	0
102	Infrared spectroscopic analysis on the substrate induced conformational flexibility of the NADH:ubiquinone oxidoreductase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 16.	1.0	0
103	Structure of a soluble subcomplex of NADH:ubiquinone oxidoreductase from <i>Aquifex aeolicus</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 18.	1.0	0
104	Surface enhanced infrared absorption spectroscopy (SEIRAS) of complex I and QFR from <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 19-20.	1.0	0
105	Affinity of <i>Escherichia coli</i> complex I variants to NADH and NADPH. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 20-21.	1.0	0
106	Inhibition of the NADH:ubiquinone oxidoreductase (complex I) by Zn <sup>2+</sup> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 23.	1.0	0
107	Site-directed mutagenesis of the NADH binding site of prokaryotic Complex I (NADH:ubiquinone) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Bioenergetics</i> , 2012, 1817, S49-S50.	1.0	0
108	ROS-production by <i>E. coli</i> respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S59.	1.0	0

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109	Initial electron transfer steps in complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S49.	1.0	0
110	An assembly intermediate of E. coli complex I interacts with the inducible lysine decarboxylase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S54-S55.	1.0	0
111	EBEC 2012: Combining the multiple facets of bioenergetics. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1709-1710.	1.0	0
112	Identification of the ubiquinone-binding site of respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S60-S61.	1.0	0
113	In vivo imaging of the supramolecular organization of Escherichia coli OxPhos complexes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e83.	1.0	0
114	CydX is a subunit of Escherichia coli cytochrome bd terminal oxidase and essential for assembly and stability of the di-heme active site. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e98-e99.	1.0	0
115	Structure of the NADH binding site of respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e44.	1.0	0
116	Creation of a biomimetic environment for the study of Complex I from Escherichia coli through Surface Enhanced IR Absorption Spectroscopy (SEIRAS). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e40.	1.0	0
117	Delocalised electron transport and chemiosmosis in Escherichia coli. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e88.	1.0	0
118	Redox-gated NADH oxidation by complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e1-e2.	1.0	0
119	Cytochrome bd oxidase protects E. coli against oxidative stress: On the trails of hydrogen peroxide decomposition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e87.	1.0	0
120	A bacterial model to study Leigh syndrome. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e103.	1.0	0
121	Assembly of the Iron-Sulfur Clusters of Complex I in Escherichia coli. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, e42.	1.0	0
122	Structural Basis for Inhibition of ROS-Producing Respiratory Complex I by NADH. <i>Angewandte Chemie</i> , 0, , .	2.0	0
123	A Cobalamin-Dependent Radical SAM Enzyme Catalyzes the Unique C-Methylation of Glutamine in Methyl-Coenzyme M Reductase. <i>Angewandte Chemie</i> , 0, , .	2.0	0
124	The gene order in the nuo-operon is not essential for the assembly of E. coli complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, , 148592.	1.0	0