

Hannah R Bridges

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,385
citations

516561

16
h-index

713332

21
g-index

22
all docs

22
docs citations

22
times ranked

2643
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of metformin and other biguanides on oxidative phosphorylation in mitochondria. <i>Biochemical Journal</i> , 2014, 462, 475-487.	1.7	502
2	Cryo-EM structures of complex I from mouse heart mitochondria in two biochemically defined states. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 548-556.	3.6	202
3	Structural basis for a complex I mutation that blocks pathological ROS production. <i>Nature Communications</i> , 2021, 12, 707.	5.8	71
4	Structure of inhibitor-bound mammalian complex I. <i>Nature Communications</i> , 2020, 11, 5261.	5.8	68
5	Fumarate Hydratase Loss Causes Combined Respiratory Chain Defects. <i>Cell Reports</i> , 2017, 21, 1036-1047.	2.9	61
6	Characterization of clinically identified mutations in NDUFV1, the flavin-binding subunit of respiratory complex I, using a yeast model system. <i>Human Molecular Genetics</i> , 2015, 24, 6350-6360.	1.4	48
7	The mechanism of catalysis by type-II NADH:quinone oxidoreductases. <i>Scientific Reports</i> , 2017, 7, 40165.	1.6	45
8	Mössbauer Spectroscopy on Respiratory Complex I: The Iron-Sulfur Cluster Ensemble in the NADH-Reduced Enzyme Is Partially Oxidized. <i>Biochemistry</i> , 2012, 51, 149-158.	1.2	43
9	Complexome profile of <i>Toxoplasma gondii</i> mitochondria identifies divergent subunits of respiratory chain complexes including new subunits of cytochrome bc ₁ complex. <i>PLoS Pathogens</i> , 2021, 17, e1009301.	2.1	39
10	The Subunit Composition of Mitochondrial NADH:Ubiquinone Oxidoreductase (Complex I) From <i>Pichia pastoris</i> . <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2318-2326.	2.5	38
11	Cryo-EM structures define ubiquinone-10 binding to mitochondrial complex I and conformational transitions accompanying Q-site occupancy. <i>Nature Communications</i> , 2022, 13, 2758.	5.8	38
12	A Self-Assembled Respiratory Chain that Catalyzes NADH Oxidation by Ubiquinone-10 Cycling between Complex I and the Alternative Oxidase. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 728-731.	7.2	37
13	Subunit NDUFV3 is present in two distinct isoforms in mammalian complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 197-207.	0.5	37
14	Using Hyperfine Electron Paramagnetic Resonance Spectroscopy to Define the Proton-Coupled Electron Transfer Reaction at Fe-S Cluster N2 in Respiratory Complex I. <i>Journal of the American Chemical Society</i> , 2017, 139, 16319-16326.	6.6	32
15	The respiratory complexes I from the mitochondria of two <i>Pichia</i> species. <i>Biochemical Journal</i> , 2009, 422, 151-159.	1.7	24
16	Structure of the NDH-2-HQNO inhibited complex provides molecular insight into quinone-binding site inhibitors. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 482-490.	0.5	20
17	Cryo-electron microscopy reveals how acetogenins inhibit mitochondrial respiratory complex I. <i>Journal of Biological Chemistry</i> , 2022, 298, 101602.	1.6	19
18	Small-volume potentiometric titrations: EPR investigations of Fe-S cluster N2 in mitochondrial complex I. <i>Journal of Inorganic Biochemistry</i> , 2016, 162, 201-206.	1.5	17

#	ARTICLE	IF	CITATIONS
19	Repression of LKB1 by miR-17 ^a /492 Sensitizes MYC-Dependent Lymphoma to Biguanide Treatment. <i>Cell Reports Medicine</i> , 2020, 1, 100014.	3.3	16
20	Reverse Electron Transfer by Respiratory Complex I Catalyzed in a Modular Proteoliposome System. <i>Journal of the American Chemical Society</i> , 2022, 144, 6791-6801.	6.6	15
21	Hydroxylated Rotenoids Selectively Inhibit the Proliferation of Prostate Cancer Cells. <i>Journal of Natural Products</i> , 2020, 83, 1829-1845.	1.5	13