

Vera G Grivennikova

List of Publications by Year in descending order

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49
papers

1,998
citations

236925

25
h-index

289244

40
g-index

49
all docs

49
docs citations

49
times ranked

1940
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of superoxide by the mitochondrial Complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 553-561.	1.0	300
2	$\text{H}^+/\text{2e}$ stoichiometry in NADH-ubiquinone reductase reactions catalyzed by bovine heart submitochondrial particles. <i>FEBS Letters</i> , 1999, 451, 157-161.	2.8	159
3	Oxidation of NADH and ROS production by respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 863-871.	1.0	114
4	Energy-dependent Complex I-associated ubisemiquinones in submitochondrial particles. <i>FEBS Letters</i> , 1995, 370, 83-87.	2.8	111
5	Catalytic Activity of NADH-ubiquinone Oxidoreductase (Complex I) in Intact Mitochondria. <i>Journal of Biological Chemistry</i> , 2001, 276, 9038-9044.	3.4	101
6	EPR characterization of ubisemiquinones and iron-sulfur cluster N2, central components of the energy coupling in the NADH-ubiquinone oxidoreductase (complex I) in situ. <i>Journal of Bioenergetics and Biomembranes</i> , 2002, 34, 193-208.	2.3	97
7	Generation of superoxide-radical by the NADH: Ubiquinone oxidoreductase of heart mitochondria. <i>Biochemistry (Moscow)</i> , 2005, 70, 120-127.	1.5	93
8	In situ assay of the intramitochondrial enzymes: use of alamethicin for permeabilization of mitochondria. <i>Analytical Biochemistry</i> , 2003, 313, 46-52.	2.4	83
9	The Mitochondrial Complex I: Progress in Understanding of Catalytic Properties. <i>IUBMB Life</i> , 2001, 52, 129-134.	3.4	68
10	What are the sources of hydrogen peroxide production by heart mitochondria?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 939-944.	1.0	67
11	Mitochondrial production of reactive oxygen species. <i>Biochemistry (Moscow)</i> , 2013, 78, 1490-1511.	1.5	64
12	Inhibitory effect of palmitate on the mitochondrial NADH:ubiquinone oxidoreductase (complex I) as related to the active-de-active enzyme transition. <i>Biochemical Journal</i> , 2005, 387, 677-683.	3.7	60
13	Interaction of the mitochondrial NADH-ubiquinone reductase with rotenone as related to the enzyme active/inactive transition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1319, 223-232.	1.0	59
14	Partitioning of superoxide and hydrogen peroxide production by mitochondrial respiratory complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 446-454.	1.0	49
15	The mitochondrial and prokaryotic proton-translocating NADH:ubiquinone oxidoreductases: similarities and dissimilarities of the quinone-junction sites. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2003, 1607, 79-90.	1.0	48
16	Redox-Dependent Change of Nucleotide Affinity to the Active Site of the Mammalian Complex I. <i>Biochemistry</i> , 2007, 46, 10971-10978.	2.5	44
17	Respiratory complex II: ROS production and the kinetics of ubiquinone reduction. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 109-117.	1.0	41
18	Molecular identification of the enzyme responsible for the mitochondrial NADH-supported ammonium-dependent hydrogen peroxide production. <i>FEBS Letters</i> , 2011, 585, 385-389.	2.8	40

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19	Mitochondrial hydrogen peroxide production as determined by the pyridine nucleotide pool and its redox state. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1879-1885.	1.0	39
20	Fumarate reductase activity of bovine heart succinate-ubiquinone reductase. New assay system and overall properties of the reaction. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993, 1140, 282-292.	1.0	35
21	Triton X-100 as a specific inhibitor of the mammalian NADH-ubiquinone oxidoreductase (Complex I). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1999, 1409, 143-153.	1.0	35
22	The transition between active and de-activated forms of NADH:ubiquinone oxidoreductase (Complex I) in the mitochondrial membrane of <i>Neurospora crassa</i> . <i>Biochemical Journal</i> , 2003, 369, 619-626.	3.7	34
23	Kinetics of the mitochondrial three-subunit NADH dehydrogenase interaction with hexammineruthenium(III). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1995, 1230, 23-30.	1.0	32
24	Reversible dissociation of flavin mononucleotide from the mammalian membrane-bound NADH:ubiquinone oxidoreductase (complex I). <i>FEBS Letters</i> , 2007, 581, 5803-5806.	2.8	31
25	Oxygen-dependence of mitochondrial ROS production as detected by Amplex Red assay. <i>Redox Biology</i> , 2018, 17, 192-199.	9.0	26
26	Ammonium-dependent hydrogen peroxide production by mitochondria. <i>FEBS Letters</i> , 2008, 582, 2719-2724.	2.8	21
27	H ⁺ /2e ⁻ stoichiometry of the nadh:ubiquinone reductase reaction catalyzed by submitochondrial particles. <i>Biochemistry (Moscow)</i> , 2001, 66, 435-443.	1.5	20
28	Kinetics of ubiquinone reduction by the resolved succinate: Ubiquinone reductase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1982, 682, 491-495.	1.0	19
29	Studies on the succinate dehydrogenating system. I. Kinetics of the succinate dehydrogenase interaction with a semiquinone radical of N,N,N',N'-tetramethyl-p-phenylenediamine. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1979, 545, 141-154.	1.0	17
30	Deactivation of mitochondrial NADH:ubiquinone oxidoreductase (respiratory complex I): Extrinsically affecting factors. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148207.	1.0	17
31	Assembly of a chimeric respiratory chain from bovine heart submitochondrial particles and cytochrome <i>c</i> terminal oxidase of <i>Escherichia coli</i> . <i>FEBS Letters</i> , 2009, 583, 1287-1291.	2.8	15
32	Site-directed mutagenesis of cytochrome c: Reactions with respiratory chain components and superoxide radical. <i>Biochemistry (Moscow)</i> , 2009, 74, 625-632.	1.5	12
33	The mitochondria-targeted derivative of the classical uncoupler of oxidative phosphorylation carbonyl cyanide m-chlorophenylhydrazone is an effective mitochondrial recoupler. <i>PLoS ONE</i> , 2020, 15, e0244499.	2.5	11
34	Submitochondrial fragments of brain mitochondria: General characteristics and catalytic properties of NADH:ubiquinone oxidoreductase (Complex I). <i>Biochemistry (Moscow)</i> , 2011, 76, 209-216.	1.5	7
35	An increase of the energy coupling capacity of submitochondrial particles by lanthanides. <i>FEBS Letters</i> , 1994, 347, 243-246.	2.8	6
36	Synergetic inhibition of the brain mitochondrial NADH: Ubiquinone oxidoreductase (Complex I) by fatty acids and Ca ²⁺ . <i>Biochemistry (Moscow)</i> , 2011, 76, 968-975.	1.5	6

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37	Allosteric nucleotide-binding site in the mitochondrial NADH:ubiquinone oxidoreductase (respiratory) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.8	5
38	Unidirectional effect of lauryl sulfate on the reversible NADH:ubiquinone oxidoreductase (Complex) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.8	5
39	<scp>FMN</scp> site-independent energy-linked reverse electron transfer in mitochondrial respiratory complex I. FEBS Letters, 2018, 592, 2213-2219.	2.8	5
40	Inhibition of respiratory complex I by 6-ketocholestanol: Relevance to recoupling action in mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2022, 1863, 148594.	1.0	1
41	An increase in the energy coupling capacity of submitochondrial particles in the presence of lanthanides. FEBS Letters, 1994, 349, 403-406.	2.8	0
42	Determination of $\hat{H}^+/2e^-$ stoichiometry in NADH:quinone reductase reactions catalyzed by mitochondrial Complex I. Biochemical Society Transactions, 2000, 28, A450-A450.	3.4	0
43	NAD+ Binding Site-Independent Energy-Linked Reverse Electron Transfer in Respiratory Complex I. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, e43.	1.0	0
44	Title is missing!. , 2020, 15, e0244499.		0
45	Title is missing!. , 2020, 15, e0244499.		0
46	Title is missing!. , 2020, 15, e0244499.		0
47	Title is missing!. , 2020, 15, e0244499.		0
48	Title is missing!. , 2020, 15, e0244499.		0
49	Title is missing!. , 2020, 15, e0244499.		0