Vera G Grivennikova

List of Publications by Year
in descending order

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	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
2	Deactivation of mitochondrial NADH:ubiquinone oxidoreductase (respiratory complex I): Extrinsically affecting factors. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148207.	1.0	17
3	The mitochondria-targeted derivative of the classical uncoupler of oxidative phosphorylation carbonyl cyanide m-chlorophenylhydrazone is an effective mitochondrial recoupler. PLoS ONE, 2020, 15, e0244499.	2.5	11
4	Title is missing!. , 2020, 15, e0244499.		0
5	Title is missing!. , 2020, 15, e0244499.		0
6	Title is missing!. , 2020, 15, e0244499.		0
7	Title is missing!. , 2020, 15, e0244499.		0
8	Title is missing!. , 2020, 15, e0244499.		0
9	Title is missing!. , 2020, 15, e0244499.		0
10	Oxygen-dependence of mitochondrial ROS production as detected by Amplex Red assay. Redox Biology, 2018, 17, 192-199.	9.0	26
11	NAD+ Binding Site-Independent Energy-Linked Reverse Electron Transfer in Respiratory Complex I. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, e43.	1.0	0
12	<scp>FMN</scp> siteâ€independent energyâ€linked reverse electron transfer in mitochondrial respiratory complex I. FEBS Letters, 2018, 592, 2213-2219.	2.8	5
13	Respiratory complex II: ROS production and the kinetics of ubiquinone reduction. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 109-117.	1.0	41
14	Oxidation of NADH and ROS production by respiratory complex I. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 863-871.	1.0	114
15	Mitochondrial production of reactive oxygen species. Biochemistry (Moscow), 2013, 78, 1490-1511.	1.5	64
16	Partitioning of superoxide and hydrogen peroxide production by mitochondrial respiratory complex I. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 446-454.	1.0	49
17	Mitochondrial hydrogen peroxide production as determined by the pyridine nucleotide pool and its redox state. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1879-1885.	1.0	39
18	Submitochondrial fragments of brain mitochondria: General characteristics and catalytic properties of NADH:ubiquinone oxidoreductase (Complex I). Biochemistry (Moscow), 2011, 76, 209-216.	1.5	7

#	Article	IF	Citations
19	Synergetic inhibition of the brain mitochondrial NADH: Ubiquinone oxidoreductase (Complex I) by fatty acids and Ca2+. Biochemistry (Moscow), 2011, 76, 968-975.	1.5	6
20	Molecular identification of the enzyme responsible for the mitochondrial NADH-supported ammonium-dependent hydrogen peroxide production. FEBS Letters, 2011, 585, 385-389.	2.8	40
21	Allosteric nucleotide-binding site in the mitochondrial NADH:ubiquinone oxidoreductase (respiratory) Tj ETQq1 1 0.784314 rgBT /Overlo	2.8	6
22	What are the sources of hydrogen peroxide production by heart mitochondria?. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 939-944.	1.0	67
23	Assembly of a chimeric respiratory chain from bovine heart submitochondrial particles and cytochrome <i>bd</i> terminal oxidase of <i>Escherichia coli</i>. FEBS Letters, 2009, 583, 1287-1291.	2.8	15
24	Site-directed mutagenesis of cytochrome c: Reactions with respiratory chain components and superoxide radical. Biochemistry (Moscow), 2009, 74, 625-632.	1.5	12
25	Ammoniumâ€dependent hydrogen peroxide production by mitochondria. FEBS Letters, 2008, 582, 2719-2724.	2.8	21
26	Reversible dissociation of flavin mononucleotide from the mammalian membraneâ€bound NADH:ubiquinone oxidoreductase (complex I). FEBS Letters, 2007, 581, 5803-5806.	2.8	31
27	Redox-Dependent Change of Nucleotide Affinity to the Active Site of the Mammalian Complex I. Biochemistry, 2007, 46, 10971-10978.	2.5	44
28	Generation of superoxide by the mitochondrial Complex I. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 553-561.	1.0	300
29	Inhibitory effect of palmitate on the mitochondrial NADH:ubiquinone oxidoreductase (complex I) as related to the activeâ€"de-active enzyme transition. Biochemical Journal, 2005, 387, 677-683.	3.7	60
30	Generation of superoxide-radical by the NADH: Ubiquinone oxidoreductase of heart mitochondria. Biochemistry (Moscow), 2005, 70, 120-127.	1.5	93
31	In situ assay of the intramitochondrial enzymes: use of alamethicin for permeabilization of mitochondria. Analytical Biochemistry, 2003, 313, 46-52.	2.4	83
32	The mitochondrial and prokaryotic proton-translocating NADH:ubiquinone oxidoreductases: similarities and dissimilarities of the quinone-junction sites. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1607, 79-90.	1.0	48
33	Unidirectional effect of lauryl sulfate on the reversible NADH:ubiquinone oxidoreductase (Complex) Tj ETQq1 1 0.784314 rgBT /Overlock	2.8	5
34	The transition between active and de-activated forms of NADH:ubiquinone oxidoreductase (Complex I) in the mitochondrial membrane of Neurospora crassa. Biochemical Journal, 2003, 369, 619-626.	3.7	34
35	EPR characterization of ubisemiquinones and iron-sulfur cluster N2, central components of the energy coupling in the NADH-ubiquinone oxidoreductase (complex I) in situ. Journal of Bioenergetics and Biomembranes, 2002, 34, 193-208.	2.3	97
36	H+/2e- stoichiometry of the nadh:ubiquinone reductase reaction catalyzed by submitochondrial particles. Biochemistry (Moscow), 2001, 66, 435-443.	1.5	20

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37	The Mitochondrial Complex I: Progress in Understanding of Catalytic Properties. IUBMB Life, 2001, 52, 129-134.	3.4	68
38	Catalytic Activity of NADH-ubiquinone Oxidoreductase (Complex I) in Intact Mitochondria. Journal of Biological Chemistry, 2001, 276, 9038-9044.	3.4	101
39	Determination of â^’H+/2e- stoichiometry in NADH:quinone reductase reactions catalyzed by mitochondrial Complex I. Biochemical Society Transactions, 2000, 28, A450-A450.	3.4	0
40	â†’H⁺/2e stoichiometry in NADHâ€quinone reductase reactions catalyzed by bovine heart submitochondrial particles. FEBS Letters, 1999, 451, 157-161.	2.8	159
41	Triton X-100 as a specific inhibitor of the mammalian NADH-ubiquinone oxidoreductase (Complex I). Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1409, 143-153.	1.0	35
42	Interaction of the mitochondrial NADH-ubiquinone reductase with rotenone as related to the enzyme active/inactive transition. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1319, 223-232.	1.0	59
43	Kinetics of the mitochondrial three-subunit NADH dehydrogenase interaction with hexammineruthenium(III). Biochimica Et Biophysica Acta - Bioenergetics, 1995, 1230, 23-30.	1.0	32
44	Energy-dependent Complex I-associated ubisemiquinones in submitochondrial particles. FEBS Letters, 1995, 370, 83-87.	2.8	111
45	An increase of the energy coupling capacity of submitochondrial particles by lanthanides. FEBS Letters, 1994, 347, 243-246.	2.8	6
46	An increase in the energy coupling capacity of submitochondrial particles in the presence of lanthanides. FEBS Letters, 1994, 349, 403-406.	2.8	0
47	Fumarate reductase activity of bovine heart succinate-ubiquinone reductase. New assay system and overall properties of the reaction. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1140, 282-292.	1.0	35
48	Kinetics of ubiquinone reduction by the resolved succinate: Ubiquinone reductase. Biochimica Et Biophysica Acta - Bioenergetics, 1982, 682, 491-495.	1.0	19
49	Studies on the succinate dehydrogenating system. I. Kinetics of the succinate dehydrogenase interaction with a semiquindiimine radical of N,N,Nâ€²,Nâ€²-tetramethyl-p-phenylenediamine. Biochimica Et Biophysica Acta - Bioenergetics, 1979, 545, 141-154.	1.0	17