

Roman A Zinovkin

List of Publications by Citations

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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.

52
papers

980
citations

21
h-index

30
g-index

57
ext. papers

1,225
ext. citations

4
avg, IF

4.49
L-index

#	Paper	IF	Citations
52	Mitochondria-targeted plastoquinone derivatives as tools to interrupt execution of the aging program. 4. Age-related eye disease. SkQ1 returns vision to blind animals. <i>Biochemistry (Moscow)</i> , 2008 , 73, 1317-28	2.9	108
51	Cell-to-cell movement of potato virus X involves distinct functions of the coat protein. <i>Journal of General Virology</i> , 2001 , 82, 449-458	4.9	62
50	Mild depolarization of the inner mitochondrial membrane is a crucial component of an anti-aging program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6491-6501	11.5	57
49	Mitochondria-Targeted Drugs. <i>Current Molecular Pharmacology</i> , 2019 , 12, 202-214	3.7	56
48	Role of mitochondrial reactive oxygen species in age-related inflammatory activation of endothelium. <i>Aging</i> , 2014 , 6, 661-74	5.6	42
47	Mitochondrial reactive oxygen species are involved in chemoattractant-induced oxidative burst and degranulation of human neutrophils in vitro. <i>European Journal of Cell Biology</i> , 2017 , 96, 254-265	6.1	40
46	Influence of the hepatitis C virus 3' untranslated region on IRES-dependent and cap-dependent translation initiation. <i>FEBS Letters</i> , 2010 , 584, 837-42	3.8	40
45	Role of Reactive Oxygen Species in Mast Cell Degranulation. <i>Biochemistry (Moscow)</i> , 2016 , 81, 1564-1572	2.9	38
44	Mitochondria-targeted antioxidant SkQ1 improves impaired dermal wound healing in old mice. <i>Aging</i> , 2015 , 7, 475-85	5.6	30
43	Chitosan-induced programmed cell death in plants. <i>Biochemistry (Moscow)</i> , 2009 , 74, 1035-43	2.9	29
42	Detection of beet yellows closterovirus methyltransferase-like and helicase-like proteins in vivo using monoclonal antibodies. <i>Journal of General Virology</i> , 2000 , 81, 597-603	4.9	28
41	Transcription Factor Nrf2 as a Potential Therapeutic Target for Prevention of Cytokine Storm in COVID-19 Patients. <i>Biochemistry (Moscow)</i> , 2020 , 85, 833-837	2.9	28
40	Mitochondria-Targeted Antioxidant SkQ1 Improves Dermal Wound Healing in Genetically Diabetic Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 6408278	6.7	27
39	Methanol may function as a cross-kingdom signal. <i>PLoS ONE</i> , 2012 , 7, e36122	3.7	26
38	Low concentration of uncouplers of oxidative phosphorylation decreases the TNF-induced endothelial permeability and lethality in mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 968-977	6.9	24
37	Ultrastructural localization and epitope mapping of the methyltransferase-like and helicase-like proteins of Beet yellows virus. <i>Journal of General Virology</i> , 2001 , 82, 1983-1994	4.9	24
36	Mitochondrial permeability transition pore is involved in oxidative burst and NETosis of human neutrophils. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165664	6.9	24

35	The minor coat protein of beet yellows closterovirus encapsidates the 5Tterminus of RNA in virions. <i>Journal of General Virology</i> , 1999 , 80 (Pt 1), 269-272	4.9	23
34	Mitochondria-targeted antioxidants prevent TNF-induced endothelial cell damage. <i>Biochemistry (Moscow)</i> , 2014 , 79, 124-30	2.9	21
33	The 5Tuntranslated region of Apaf-1 mRNA directs translation under apoptosis conditions via a 5T end-dependent scanning mechanism. <i>FEBS Letters</i> , 2012 , 586, 4139-43	3.8	21
32	The beet yellows closterovirus p65 homologue of HSP70 chaperones has ATPase activity associated with its conserved N-terminal domain but does not interact with unfolded protein chains. <i>Journal of General Virology</i> , 1997 , 78 (Pt 3), 535-42	4.9	21
31	Age-associated murine cardiac lesions are attenuated by the mitochondria-targeted antioxidant SkQ1. <i>Histology and Histopathology</i> , 2015 , 30, 353-60	1.4	19
30	Mitochondrial Dysfunction in Neocortex and Hippocampus of Olfactory Bulbectomized Mice, a Model of Alzheimer's Disease. <i>Biochemistry (Moscow)</i> , 2016 , 81, 615-23	2.9	17
29	DNA Methylation, Mitochondria, and Programmed Aging. <i>Biochemistry (Moscow)</i> , 2015 , 80, 1571-7	2.9	17
28	Processing and subcellular localization of the leader papain-like proteinase of Beet yellows closterovirus. <i>Journal of General Virology</i> , 2003 , 84, 2265-2270	4.9	17
27	Low Concentrations of Uncouplers of Oxidative Phosphorylation Prevent Inflammatory Activation of Endothelial Cells by Tumor Necrosis Factor. <i>Biochemistry (Moscow)</i> , 2015 , 80, 610-9	2.9	15
26	Pure Mitochondrial DNA Does Not Activate Human Neutrophils in vitro. <i>Biochemistry (Moscow)</i> , 2015 , 80, 629-35	2.9	15
25	Efficacy of Mitochondrial Antioxidant Plastoquinonyl-decyl-triphenylphosphonium Bromide (SkQ1) in the Rat Model of Autoimmune Arthritis. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 8703645	6.7	12
24	Mitochondria-Targeted Antioxidant SkQR1 Reduces TNF-Induced Endothelial Permeability in vitro. <i>Biochemistry (Moscow)</i> , 2016 , 81, 1188-1197	2.9	10
23	Potato production and innovative technologies 2007 ,		8
22	Penetrating cations induce pleiotropic drug resistance in yeast. <i>Scientific Reports</i> , 2018 , 8, 8131	4.9	8
21	RNA-dependent disassembly of nuclear bodies. <i>Journal of Cell Science</i> , 2016 , 129, 4509-4520	5.3	7
20	Mitochondria-Targeted Antioxidants and Uncouplers of Oxidative Phosphorylation in Treatment of the Systemic Inflammatory Response Syndrome (SIRS). <i>Journal of Cellular Physiology</i> , 2017 , 232, 904-912	7	7
19	Effect of Ca ²⁺ on programmed death of guard and epidermal cells of pea leaves. <i>Biochemistry (Moscow)</i> , 2010 , 75, 614-22	2.9	7
18	A-to-I RNA editing: a contribution to diversity of the transcriptome and an organism's development. <i>Biochemistry (Moscow)</i> , 2010 , 75, 1316-23	2.9	6

17	Nuclear DNA as Predictor of Acute Kidney Injury in Patients Undergoing Coronary Artery Bypass Graft: A Pilot Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, 2080-2085	2.1	5
16	Priming of Human Neutrophils Is Necessary for Their Activation by Extracellular DNA. <i>Biochemistry (Moscow)</i> , 2016 , 81, 609-14	2.9	5
15	The effect of aerobic exercise on the expression of genes in skeletal muscles of trained and untrained men. <i>Human Physiology</i> , 2013 , 39, 190-195	0.3	5
14	Mitochondrial Genome and Longevity. <i>Biochemistry (Moscow)</i> , 2016 , 81, 1401-1405	2.9	4
13	The Role Played by Mitochondria in FcRI-Dependent Mast Cell Activation. <i>Frontiers in Immunology</i> , 2020 , 11, 584210	8.4	3
12	Effect of SkQ1 on Activity of the Glutathione System and NADPH-Generating Enzymes in an Experimental Model of Hyperglycemia. <i>Biochemistry (Moscow)</i> , 2015 , 80, 1614-21	2.9	3
11	Mitochondria-targeted triphenylphosphonium-based compounds do not affect estrogen receptor α . <i>PeerJ</i> , 2020 , 8, e8803	3.1	3
10	Synthetic fragment (60-76) of RAGE improves brain mitochondria function in olfactory bulbectomized mice. <i>Neurochemistry International</i> , 2020 , 140, 104799	4.4	3
9	Analysis of genes regulated by DUX4 via oxidative stress reveals potential therapeutic targets for treatment of facioscapulohumeral dystrophy. <i>Redox Biology</i> , 2021 , 43, 102008	11.3	3
8	Expression of beet yellows virus coat protein cDNA to create transgenic resistance in plants. <i>Doklady Biochemistry and Biophysics</i> , 2012 , 443, 68-70	0.8	2
7	RNA editing: breaking the dogma. <i>Biochemistry (Moscow)</i> , 2011 , 76, 867-8	2.9	2
6	Synthetic Analogue of Leu-Enkephalin Prevents Endothelial Dysfunction in vitro. <i>Obshchaya Reanimatologiya</i> , 2018 , 14, 60-68	0.8	2
5	Mitochondria as Targets for Endothelial Protection in COVID-19. <i>Frontiers in Physiology</i> , 2020 , 11, 606170	4.6	2
4	A Combination of Kidney Ischemia and Injection of Isolated Mitochondria Leads to Activation of Inflammation and Increase in Mortality Rate in Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2020 , 169, 213-217	0.8	0
3	RNA-Binding Properties of the Proteins of Beet Yellows Closterovirus. <i>Molecular Biology</i> , 2004 , 38, 464-468	4.6	0
2	Mitochondria-targeted triphenylphosphonium-based compounds inhibit FcRI-dependent degranulation of mast cells by preventing mitochondrial dysfunction through Erk1/2. <i>Life Sciences</i> , 2021 , 288, 120174	6.8	0
1	Gene Expression Pattern of Peyer's Patch Lymphocytes Exposed to Kagocel Suggests Pattern-Recognition Receptors Mediate Its Action. <i>Frontiers in Pharmacology</i> , 2021 , 12, 679511	5.6	0