

Keith D Garlid

List of Publications by Year in descending order

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60
papers

8,044
citations

71004

43
h-index

156644

58
g-index

60
all docs

60
docs citations

60
times ranked

4736
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial Uncoupling Proteins: Subtle Regulators of Cellular Redox Signaling Reviewing Editors: Jerzy Beltowski, Joseph Burgoyne, Gabor Csanyi, Sergey Dikalov, Frank Krause, Anibal Vercesi, and Jeremy Ward. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 667-714.	2.5	93
2	Mitochondrial reactive oxygen species: which ROS signals cardioprotection?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H960-H968.	1.5	54
3	The mitochondrial KATP channel—Fact or fiction?. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 578-583.	0.9	76
4	Mitochondrial ROMK Channel Is a Molecular Component of MitoK _{ATP} . <i>Circulation Research</i> , 2012, 111, 446-454.	2.0	184
5	Channel character of uncoupling protein—mediated transport. <i>FEBS Letters</i> , 2010, 584, 2135-2141.	1.3	15
6	MitoKATP activity in healthy and ischemic hearts. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 123-126.	1.0	35
7	Cardioprotective signaling to mitochondria. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 858-866.	0.9	172
8	Differential Increase of Mitochondrial Matrix Volume by Sevoflurane in Isolated Cardiac Mitochondria. <i>Anesthesia and Analgesia</i> , 2008, 106, 1049-1055.	1.1	15
9	Intramitochondrial signaling: interactions among mitoK _{ATP} , PKC μ , ROS, and MPT. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H874-H882.	1.5	200
10	Conditioning the heart induces formation of signalosomes that interact with mitochondria to open mitoK _{ATP} channels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H953-H961.	1.5	69
11	cGMP signalling in pre- and post-conditioning: the role of mitochondria. <i>Cardiovascular Research</i> , 2007, 77, 344-352.	1.8	124
12	Ouabain protects rat hearts against ischemia-reperfusion injury via pathway involving src kinase, mitoKATP, and ROS. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1470-H1478.	1.5	76
13	Sarcoplasmic ATP-sensitive potassium channel blocker HMR1098 protects the ischemic heart: Implication of calcium, complex I, reactive oxygen species and mitochondrial ATP-sensitive potassium channel. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 631-642.	0.9	26
14	Interactions of K ⁺ ATP channel blockers with Na ⁺ /K ⁺ -ATPase. <i>Molecular and Cellular Biochemistry</i> , 2007, 306, 231-237.	1.4	9
15	Inhibition of cardiac contractility by 5-hydroxydecanoate and tetraphenylphosphonium ion: a possible role of mitoKATP in response to inotropic stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H152-H160.	1.5	22
16	Opening mitoKATP increases superoxide generation from complex I of the electron transport chain. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H2067-H2074.	1.5	198
17	Mitochondrial PKC μ and Mitochondrial ATP-Sensitive K ⁺ Channel Copurify and Coreconstitute to Form a Functioning Signaling Module in Proteoliposomes. <i>Circulation Research</i> , 2006, 99, 878-883.	2.0	140
18	The Mechanism by Which the Mitochondrial ATP-sensitive K ⁺ Channel Opening and H ₂ O ₂ Inhibit the Mitochondrial Permeability Transition. <i>Journal of Biological Chemistry</i> , 2006, 281, 20801-20808.	1.6	174

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19	The direct physiological effects of mitoKATP opening on heart mitochondria. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H406-H415.	1.5	175
20	Bepidil, an Antiarrhythmic Drug, Opens Mitochondrial KATP Channels, Blocks Sarcolemmal KATP Channels, and Confers Cardioprotection. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 182-188.	1.3	35
21	Protein Kinase G Transmits the Cardioprotective Signal From Cytosol to Mitochondria. Circulation Research, 2005, 97, 329-336.	2.0	272
22	Hydroperoxy Fatty Acid Cycling Mediated by Mitochondrial Uncoupling Protein UCP2. Journal of Biological Chemistry, 2004, 279, 53097-53102.	1.6	84
23	Functional Distinctions between the Mitochondrial ATP-dependent K ⁺ Channel (mitoKATP) and Its Inward Rectifier Subunit (mitoKIR). Journal of Biological Chemistry, 2004, 279, 32562-32568.	1.6	91
24	Alterations of the bioenergetics systems of the cell in acute and chronic myocardial ischemia. Molecular and Cellular Biochemistry, 2004, 256, 157-166.	1.4	19
25	Title is missing!. Molecular and Cellular Biochemistry, 2003, 242, 181-187.	1.4	68
26	Mitochondrial potassium transport: the K ⁺ cycle. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1606, 23-41.	0.5	310
27	Mitochondrial potassium transport: the role of the mitochondrial ATP-sensitive K ⁺ channel in cardiac function and cardioprotection. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1606, 1-21.	0.5	294
28	Reconstitution of Recombinant Uncoupling Proteins. Journal of Biological Chemistry, 2003, 278, 25825-25831.	1.6	101
29	Involvement of mitogen-activated protein kinases and reactive oxygen species in the inotropic action of ouabain on cardiac myocytes. A potential role for mitochondrial KATP channels. , 2003, , 181-187.		31
30	Involvement of mitogen-activated protein kinases and reactive oxygen species in the inotropic action of ouabain on cardiac myocytes. A potential role for mitochondrial K(ATP) channels. Molecular and Cellular Biochemistry, 2003, 242, 181-7.	1.4	35
31	Mechanisms by which opening the mitochondrial ATP- sensitive K ⁺ channel protects the ischemic heart. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H284-H295.	1.5	192
32	Physiology of Mitochondria. , 2001, , 139-151.		9
33	Bioenergetic consequences of opening the ATP-sensitive K ⁺ channel of heart mitochondria. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H649-H657.	1.5	305
34	The Mitochondrial Potassium Cycle. IUBMB Life, 2001, 52, 153-158.	1.5	50
35	Identification and Properties of a Novel Intracellular (Mitochondrial) ATP-sensitive Potassium Channel in Brain. Journal of Biological Chemistry, 2001, 276, 33369-33374.	1.6	257
36	Alkylsulfonates as Probes of Uncoupling Protein Transport Mechanism. Journal of Biological Chemistry, 2001, 276, 31897-31905.	1.6	38

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37	Opening mitochondrial K ⁺ ATP in the heart - what happens, and what does not happen. <i>Basic Research in Cardiology</i> , 2000, 95, 275-279.	2.5	171
38	ATP-Sensitive Potassium Channels: A Review of their Cardioprotective Pharmacology. <i>Journal of Molecular and Cellular Cardiology</i> , 2000, 32, 677-695.	0.9	374
39	How do uncoupling proteins uncouple?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1459, 383-389.	0.5	106
40	Bimakalim: A Promising K ⁺ ATP Channel Activating Agent. <i>Cardiovascular Drug Reviews</i> , 2000, 18, 25-46.	4.4	11
41	Transport Function and Regulation of Mitochondrial Uncoupling Proteins 2 and 3. <i>Journal of Biological Chemistry</i> , 1999, 274, 26003-26007.	1.6	296
42	Existence of uncoupling protein-2 antigen in isolated mitochondria from various tissues. <i>FEBS Letters</i> , 1999, 455, 79-82.	1.3	13
43	Mammalian mitochondrial uncoupling proteins. <i>International Journal of Biochemistry and Cell Biology</i> , 1998, 30, 1163-1168.	1.2	91
44	Fatty acid cycling mechanism and mitochondrial uncoupling proteins. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998, 1365, 319-327.	0.5	177
45	The mechanism of proton transport mediated by mitochondrial uncoupling proteins. <i>FEBS Letters</i> , 1998, 438, 10-14.	1.3	132
46	State-dependent Inhibition of the Mitochondrial KATP Channel by Glyburide and 5-Hydroxydecanoate. <i>Journal of Biological Chemistry</i> , 1998, 273, 13578-13582.	1.6	224
47	Identification by Site-directed Mutagenesis of Three Arginines in Uncoupling Protein That Are Essential for Nucleotide Binding and Inhibition. <i>Journal of Biological Chemistry</i> , 1997, 272, 24759-24762.	1.6	86
48	Inactive fatty acids are unable to flip-flop across the lipid bilayer. <i>FEBS Letters</i> , 1997, 408, 161-165.	1.3	62
49	A structure-activity study of fatty acid interaction with mitochondrial uncoupling protein. <i>FEBS Letters</i> , 1997, 408, 166-170.	1.3	65
50	The nucleotide regulatory sites on the mitochondrial KATP channel face the cytosol The experimental work was in partial fulfillment of requirements for the Ph.D. degree for Vladimir Yarov-Yarovoy and Martin JabÅřek..1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1321, 128-136.	0.5	50
51	Cardioprotective Effect of Diazoxide and Its Interaction With Mitochondrial ATP-Sensitive K ⁺ Channels. <i>Circulation Research</i> , 1997, 81, 1072-1082.	2.0	889
52	Cation transport in mitochondria â€” The potassium cycle. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1275, 123-126.	0.5	186
53	Inhibition of the Mitochondrial KATP Channel by Long-chain Acyl-CoA Esters and Activation by Guanine Nucleotides. <i>Journal of Biological Chemistry</i> , 1996, 271, 32084-32088.	1.6	88
54	On the Mechanism of Fatty Acid-induced Proton Transport by Mitochondrial Uncoupling Protein. <i>Journal of Biological Chemistry</i> , 1996, 271, 2615-2620.	1.6	292

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55	The Mitochondrial K Channel as a Receptor for Potassium Channel Openers. Journal of Biological Chemistry, 1996, 271, 8796-8799.	1.6	413
56	[24] Mitochondrial cation transport systems. Methods in Enzymology, 1995, 260, 331-348.	0.4	42
57	New insights into mechanisms of anion uniport through the uncoupling protein of brown adipose tissue mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1018, 151-154.	0.5	30
58	On the nature of ion leaks in energy-transducing membranes. Biochimica Et Biophysica Acta - Bioenergetics, 1989, 976, 109-120.	0.5	100
59	Unmasking the mitochondrial KH exchanger: Tetraethylammonium-induced K ⁺ -loss. Biochemical and Biophysical Research Communications, 1979, 87, 842-847.	1.0	42
60	Unmasking the mitochondrial KH exchanger: Swelling-induced K ⁺ -loss. Biochemical and Biophysical Research Communications, 1978, 83, 1450-1455.	1.0	56