

Martin Jaburek

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,393
citations

201385

27
h-index

223531

46
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71
all docs

71
docs citations

71
times ranked

2344
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of Mitochondria to Insulin Secretion by Various Secretagogues. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 920-952.	2.5	10
2	Antioxidant Role and Cardiolipin Remodeling by Redox-Activated Mitochondrial Ca ²⁺ -Independent Phospholipase A ₂ ³ in the Brain. <i>Antioxidants</i> , 2022, 11, 198.	2.2	6
3	Antioxidant Synergy of Mitochondrial Phospholipase PNPLA8/iPLA ₂ ³ with Fatty Acid-Conducting SLC25 Gene Family Transporters. <i>Antioxidants</i> , 2021, 10, 678.	2.2	13
4	The Pancreatic β -Cell: The Perfect Redox System. <i>Antioxidants</i> , 2021, 10, 197.	2.2	16
5	Mitochondrial Redox Signaling and Cristae Morphology Changes Upon 2-Keto-Isocaproate and Fatty Acid-Stimulated Insulin Secretion. <i>Biophysical Journal</i> , 2020, 118, 450a.	0.2	0
6	Glucose-Stimulated Insulin Secretion Fundamentally Requires H ₂ O ₂ Signaling by NADPH Oxidase 4. <i>Diabetes</i> , 2020, 69, 1341-1354.	0.3	53
7	Uncoupling mechanism and redox regulation of mitochondrial uncoupling protein 1 (UCP1). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 259-269.	0.5	35
8	Contribution of Oxidative Stress and Impaired Biogenesis of Pancreatic β -Cells to Type 2 Diabetes. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 722-751.	2.5	50
9	Cytoprotective activity of mitochondrial uncoupling protein in lung and spleen. <i>FEBS Open Bio</i> , 2018, 8, 692-701.	1.0	6
10	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
11	Antioxidant activity of calcium-independent phospholipase A ₂ ³ in brain mitochondria. <i>Free Radical Biology and Medicine</i> , 2018, 128, S86.	1.3	1
12	Fatty Acid-Stimulated Insulin Secretion vs. Lipotoxicity. <i>Molecules</i> , 2018, 23, 1483.	1.7	60
13	Kinetic Properties and Redox Regulation of Recombinant Calcium-Independent Phospholipase A ₂ ³ Reconstituted In Liposomes. <i>Biophysical Journal</i> , 2016, 110, 142a.	0.2	0
14	Mitochondrial nucleoid clusters protect newly synthesized mtDNA during Doxorubicin- and Ethidium Bromide-induced mitochondrial stress. <i>Toxicology and Applied Pharmacology</i> , 2016, 302, 31-40.	1.3	18
15	Nitrolinoleic acid and nitric oxide inhibit purified recombinant calcium-independent phospholipase A ₂ ³ . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e78.	0.5	0
16	Quercetin Affects Respiratory Parameters in Whole H9c2 Cells by ANT-Dependent Uncoupling. <i>Biophysical Journal</i> , 2015, 108, 311a.	0.2	0
17	H ₂ O ₂ -Activated Mitochondrial Phospholipase iPLA ₂ ³ Prevents Lipotoxic Oxidative Stress in Synergy with UCP2, Amplifies Signaling via G-Protein-Coupled Receptor GPR40, and Regulates Insulin Secretion in Pancreatic β -Cells. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 958-972.	2.5	45
18	Distribution of mitochondrial DNA nucleoids inside the linear tubules vs. bulk parts of mitochondrial network as visualized by 4Pi microscopy. <i>Journal of Bioenergetics and Biomembranes</i> , 2015, 47, 255-263.	1.0	12

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19	Silymarin Component 2,3-dehydrosilybin Attenuates Cardiomyocyte Damage Following Hypoxia/Reoxygenation by Limiting Oxidative Stress. <i>Physiological Research</i> , 2015, 64, 79-91.	0.4	21
20	Import of desired nucleic acid sequences using addressing motif of mitochondrial ribosomal 5S-rRNA for fluorescent in vivo hybridization of mitochondrial DNA and RNA. <i>Journal of Bioenergetics and Biomembranes</i> , 2014, 46, 147-156.	1.0	9
21	Antioxidant and Regulatory Role of Mitochondrial Uncoupling Protein UCP2 in Pancreatic β -cells. <i>Physiological Research</i> , 2014, 63, S73-S91.	0.4	26
22	Distribution of mitochondrial nucleoids upon mitochondrial network fragmentation and network reintegration in HEPG2 cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 593-603.	1.2	39
23	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
24	Antioxidant activity by a synergy of redox-sensitive mitochondrial phospholipase A2 and uncoupling protein-2 in lung and spleen. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 816-825.	1.2	35
25	Fatty Acids are Key in 4-Hydroxy-2-Nonenal-Mediated Activation of Uncoupling Proteins 1 and 2. <i>PLoS ONE</i> , 2013, 8, e77786.	1.1	36
26	Mitochondrial calcium-independent phospholipase iPLA2 β is directly activated by H ₂ O ₂ in vitro. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S84-S85.	0.5	0
27	Dehydrosilybin attenuates the production of ROS in rat cardiomyocyte mitochondria with an uncoupler-like mechanism. <i>Journal of Bioenergetics and Biomembranes</i> , 2010, 42, 499-509.	1.0	27
28	Effect of flavonolignans derived from silybin on mitochondrial production of reactive oxygen species. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 60.	0.5	1
29	Cardioprotective activity of dehydrosilybin is linked to its uncoupler-like behavior. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 87.	0.5	1
30	Channel character of uncoupling protein-mediated transport. <i>FEBS Letters</i> , 2010, 584, 2135-2141.	1.3	15
31	Role of the Transmembrane Potential in the Membrane Proton Leak. <i>Biophysical Journal</i> , 2010, 98, 1503-1511.	0.2	64
32	Silybin Derivatives Modulate Thyroid Hormone-Mediated Ucp2 Expression in Neonatal Rat Cardiomyocytes. <i>Biophysical Journal</i> , 2010, 98, 736a-737a.	0.2	0
33	Mitochondrial phospholipase A2 activated by reactive oxygen species in heart mitochondria induces mild uncoupling. <i>Physiological Research</i> , 2010, 59, 737-747.	0.4	35
34	S10.20 Mitochondrial phospholipase iPLA2-dependent regulation of uncoupling protein UCP2. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S62-S63.	0.5	0
35	Polyunsaturated fatty acids activate human uncoupling proteins 1 and 2 in planar lipid bilayers. <i>FASEB Journal</i> , 2007, 21, 1137-1144.	0.2	102
36	A new automated technique for the reconstitution of hydrophobic proteins into planar bilayer membranes. <i>Studies of human recombinant uncoupling protein 1. Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 474-479.	0.5	37

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37	Undecanesulfonate does not allosterically activate H ⁺ uniport mediated by uncoupling protein-1 in brown adipose tissue mitochondria. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 1965-1974.	1.2	11
38	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
39	The direct physiological effects of mitoKATP opening on heart mitochondria. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H406-H415.	1.5	175
40	Hydroperoxy Fatty Acid Cycling Mediated by Mitochondrial Uncoupling Protein UCP2. <i>Journal of Biological Chemistry</i> , 2004, 279, 53097-53102.	1.6	84
41	Kinetics and ion specificity of Na ⁺ /Ca ²⁺ exchange mediated by the reconstituted beef heart mitochondrial Na ⁺ /Ca ²⁺ antiporter. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1659, 83-91.	0.5	48
42	Reconstitution of Recombinant Uncoupling Proteins. <i>Journal of Biological Chemistry</i> , 2003, 278, 25825-25831.	1.6	101
43	Mechanism of uncoupling protein action. <i>Biochemical Society Transactions</i> , 2001, 29, 803-806.	1.6	63
44	Alkylsulfonates as Probes of Uncoupling Protein Transport Mechanism. <i>Journal of Biological Chemistry</i> , 2001, 276, 31897-31905.	1.6	38
45	How do uncoupling proteins uncouple?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1459, 383-389.	0.5	106
46	Transport Function and Regulation of Mitochondrial Uncoupling Proteins 2 and 3. <i>Journal of Biological Chemistry</i> , 1999, 274, 26003-26007.	1.6	296
47	The mechanism of proton transport mediated by mitochondrial uncoupling proteins. <i>FEBS Letters</i> , 1998, 438, 10-14.	1.3	132
48	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
49	The nucleotide regulatory sites on the mitochondrial KATP channel face the cytosol1The experimental work was in partial fulfillment of requirements for the Ph.D. degree for Vladimir Yarov-Yarovoy and Martin Jaburek..1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1321, 128-136.	0.5	50
50	Lectures on Godmanhood. <i>Thought: Fordham University Quarterly</i> , 1945, 20, 176-177.	0.0	0
51	Redox Signaling is Essential for Insulin Secretion. , 0, , .		0