

Andrea Dlaskova

List of Publications by Year in descending order

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papers

794
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471509

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all docs

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docs citations

42
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Sample drift correction in 3D fluorescence photoactivation localization microscopy. <i>Optics Express</i> , 2011, 19, 15009.	3.4	161
2	The role of UCP 1 in production of reactive oxygen species by mitochondria isolated from brown adipose tissue. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1470-1476.	1.0	62
3	4Pi microscopy reveals an impaired three-dimensional mitochondrial network of pancreatic islet β^2 -cells, an experimental model of type-2 diabetes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1327-1341.	1.0	55
4	Oxidative stress caused by blocking of mitochondrial Complex I H ⁺ pumping as a link in aging/disease vicious cycle. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1792-1805.	2.8	53
5	H ₂ O ₂ -Activated Mitochondrial Phospholipase iPLA ₂ ^β Prevents Lipotoxic Oxidative Stress in Synergy with UCP2, Amplifies Signaling via G-Protein-Coupled Receptor GPR40, and Regulates Insulin Secretion in Pancreatic β^2 -Cells. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 958-972.	5.4	45
6	Mitochondrial Complex I superoxide production is attenuated by uncoupling. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 2098-2109.	2.8	41
7	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.	2.8	39
8	3D super-resolution microscopy reflects mitochondrial cristae alternations and mtDNA nucleoid size and distribution. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 829-844.	1.0	37
9	Hypoxic HepG2 cell adaptation decreases ATP synthase dimers and ATP production in inflated cristae by mitofilin downregulation concomitant to MICOS clustering. <i>FASEB Journal</i> , 2016, 30, 1941-1957.	0.5	35
10	Mitochondrial cristae narrowing upon higher 2-oxoglutarate load. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 659-678.	1.0	31
11	Redox Homeostasis in Pancreatic Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 2012, 1-16.	4.0	29
12	Regulation of glucose-stimulated insulin secretion by ATPase Inhibitory Factor 1 (IFI1). <i>FEBS Letters</i> , 2018, 592, 999-1009.	2.8	29
13	Dynamic of mitochondrial network, cristae, and mitochondrial nucleoids in pancreatic β^2 -cells. <i>Mitochondrion</i> , 2019, 49, 245-258.	3.4	25
14	Mitochondrial Superoxide Production Decreases on Glucose-Stimulated Insulin Secretion in Pancreatic β^2 Cells Due to Decreasing Mitochondrial Matrix NADH/NAD ⁺ Ratio. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 789-815.	5.4	25
15	Overexpression of native IF1 downregulates glucose-stimulated insulin secretion by pancreatic INS-1E cells. <i>Scientific Reports</i> , 2020, 10, 1551.	3.3	23
16	Recruitment of mitochondrial uncoupling protein UCP2 after lipopolysaccharide induction. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 809-821.	2.8	19
17	Certain aspects of uncoupling due to mitochondrial uncoupling proteins in vitro and in vivo. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 467-473.	1.0	18
18	The Pancreatic β^2 -Cell: The Perfect Redox System. <i>Antioxidants</i> , 2021, 10, 197.	5.1	16

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19	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.	2.3	12
20	Nkx6.1 decline accompanies mitochondrial DNA reduction but subtle nucleoid size decrease in pancreatic islet β^2 -cells of diabetic Goto Kakizaki rats. <i>Scientific Reports</i> , 2017, 7, 15674.	3.3	12
21	Fluorescent in situ hybridization of mitochondrial DNA and RNA.. <i>Acta Biochimica Polonica</i> , 2010, 57, .	0.5	11
22	Contribution of Mitochondria to Insulin Secretion by Various Secretagogues. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 920-952.	5.4	10
23	Glucose-Induced Expression of DAPIT in Pancreatic β^2 -Cells. <i>Biomolecules</i> , 2020, 10, 1026.	4.0	5
24	Coupled aggregation of mitochondrial single-strand DNA-binding protein tagged with Eos fluorescent protein visualizes synchronized activity of mitochondrial nucleoids. <i>Molecular Medicine Reports</i> , 2015, 12, 5185-5190.	2.4	1
25	UCP1 ablation increases the production of reactive oxygen species by mitochondria isolated from brown adipose tissue. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 85.	1.0	0
26	3D Visualization of Mitochondrial Network and Nucleoids of mtDNA in Ins1E and HepG2 Cells at 30 Nm Resolution by Biplane FPALM Microscopy. <i>Biophysical Journal</i> , 2011, 100, 618a.	0.5	0
27	Visualization of mt nucleoids by superresolution microscopy techniques. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S154-S155.	1.0	0
28	Mitochondrial DNA Nucleoid Redistribution after Mitochondrial Network Fragmentation as Visualized by 3D Super-Resolution Biplane Fpalm Microscopy. <i>Biophysical Journal</i> , 2013, 104, 657a.	0.5	0
29	Mitochondrial DNA Nucleoid Distribution at Simulated Pathologies as Visualized by 3D Super-Resolution Biplane FPALM / dSTORM Microscopy. <i>Biophysical Journal</i> , 2014, 106, 203a.	0.5	0
30	Superoxide Generation, Bioenergetics Parameters, and Mitochondrial Morphology in Insulinoma INS-1E Cells upon Glucose Addition and ATPase Inhibitory Factor (IF1) Knockdown. <i>Free Radical Biology and Medicine</i> , 2017, 112, 150.	2.9	0
31	Mitochondrial Redox Signaling and Cristae Morphology Changes Upon 2-Keto-Isocaproate and Fatty Acid-Stimulated Insulin Secretion. <i>Biophysical Journal</i> , 2020, 118, 450a.	0.5	0
32	The Use of Reactive Oxygen Species Production by Succinate-Driven Reverse Electron Flow as an Index of Complex 1 Activity in Isolated Brown Adipose Tissue Mitochondria. <i>Methods in Molecular Biology</i> , 2021, 2310, 247-258.	0.9	0
33	Redox Signaling is Essential for Insulin Secretion. , 0, , .		0