Blanka Holendova

List of Publications by Year
in descending order

25	591	623734	610901
papers	citations	14 h-index	24 g-index

30	30	30	993
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mitochondrial Uncoupling Proteins: Subtle Regulators of Cellular Redox SignalingReviewing Editors:Jerzy Beltowski, Joseph Burgoyne, Gabor Csanyi, Sergey Dikalov, Frank Krause, Anibal Vercesi, and Jeremy Ward. Antioxidants and Redox Signaling, 2018, 29, 667-714.	5.4	93
2	Fatty Acid-Stimulated Insulin Secretion vs. Lipotoxicity. Molecules, 2018, 23, 1483.	3.8	60
3	Glucose-Stimulated Insulin Secretion Fundamentally Requires H2O2 Signaling by NADPH Oxidase 4. Diabetes, 2020, 69, 1341-1354.	0.6	53
4	Characterization of calmodulin binding domains in TRPV2 and TRPV5 C-tails. Amino Acids, 2011, 40, 741-748.	2.7	45
5	Calmodulin and S100A1 Protein Interact with N Terminus of TRPM3 Channel. Journal of Biological Chemistry, 2012, 287, 16645-16655.	3.4	43
6	Mitochondrial cristae narrowing upon higher 2-oxoglutarate load. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 659-678.	1.0	31
7	PtdIns(4,5)P2interacts with CaM binding domains on TRPM3 N-terminus. Channels, 2012, 6, 479-482.	2.8	30
8	Potential of Mitochondria-Targeted Antioxidants to Prevent Oxidative Stress in Pancreatic Î²-cells. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-16.	4.0	30
9	Redox Signaling from Mitochondria: Signal Propagation and Its Targets. Biomolecules, 2020, 10, 93.	4.0	26
10	Mitochondrial Superoxide Production Decreases on Glucose-Stimulated Insulin Secretion in Pancreatic Î² Cells Due to Decreasing Mitochondrial Matrix NADH/NAD⁺Ratio. Antioxidants and Redox Signaling, 2020, 33, 789-815.	5.4	25
11	Redox Homeostasis in Pancreatic Î²-Cells: From Development to Failure. Antioxidants, 2021, 10, 526.	5.1	22
12	Ca²⁺ Binding Protein S100A1 Competes with Calmodulin and PIP2 for Binding Site on the C-Terminus of the TPRV1 Receptor. ACS Chemical Neuroscience, 2015, 6, 386-392.	3.5	18
13	Integrative Binding Sites within Intracellular Termini of TRPV1 Receptor. PLoS ONE, 2012, 7, e48437.	2.5	16
14	The Pancreatic Î²-Cell: The Perfect Redox System. Antioxidants, 2021, 10, 197.	5.1	16
15	The interactions of the C-terminal region of the TRPC6 channel with calmodulin. Neurochemistry International, 2010, 56, 363-366.	3.8	14
16	Characterization of the S100A1 Protein Binding Site on TRPC6 C-Terminus. PLoS ONE, 2013, 8, e62677.	2.5	13
17	Antioxidant Synergy of Mitochondrial Phospholipase PNPLA8/iPLA2Î³ with Fatty Acidâ€“Conducting SLC25 Gene Family Transporters. Antioxidants, 2021, 10, 678.	5.1	13
18	Contribution of Mitochondria to Insulin Secretion by Various Secretagogues. Antioxidants and Redox Signaling, 2022, 36, 920-952.	5.4	10

#	Article	IF	Citations
19	Chronic n-3 fatty acid intake enhances insulin response to oral glucose and elevates GLP-1 in high-fat diet-fed obese mice. Food and Function, 2020, 11, 9764-9775.	4.6	9
20	SIRT3 and GCN5L regulation of NADP+- and NADPH-driven reactions of mitochondrial isocitrate dehydrogenase IDH2. Scientific Reports, 2020, 10, 8677.	3.3	8
21	Antioxidant Role and Cardiolipin Remodeling by Redox-Activated Mitochondrial Ca2+-Independent Phospholipase A2Î³ in the Brain. Antioxidants, 2022, 11, 198.	5.1	6
22	Glucose-Induced Expression of DAPIT in Pancreatic Î²-Cells. Biomolecules, 2020, 10, 1026.	4.0	5
23	Poly(4-Styrenesulfonic Acid-co-maleic Anhydride)-Coated NaGdF₄:Yb,Tb,Nd Nanoparticles with Luminescence and Magnetic Properties for Imaging of Pancreatic Islets and Î²-Cells. ACS Applied Materials & Interfaces, 2022, , .	8.0	3
24	Mitochondrial Redox Signaling and Cristae Morphology Changes Upon 2-Keto-Isocaproate and Fatty Acid-Stimulated Insulin Secretion. Biophysical Journal, 2020, 118, 450a.	0.5	0
25	Redox Signaling is Essential for Insulin Secretion. , 0, , .		0