

Fernando Abdulkader

List of Publications by Year in descending order

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papers

1,544
citations

489802

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536525

29
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all docs

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docs citations

30
times ranked

2618
citing authors

#	ARTICLE	IF	CITATIONS
1	Beneficial effects of physical exercise for β -cell maintenance in a type 1 diabetes mellitus animal model. <i>Experimental Physiology</i> , 2021, 106, 1482-1497.	0.9	2
2	Mice born to females with oocyte-specific deletion of mitofusin 2 have increased weight gain and impaired glucose homeostasis. <i>Molecular Human Reproduction</i> , 2020, 26, 938-952.	1.3	5
3	Smartphone-assisted experimentation as a didactic strategy to maintain practical lessons in remote education: alternatives for physiology education during the COVID-19 pandemic. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2020, 44, 579-586.	0.8	27
4	Acute effects of somatomammotropin hormones on neuronal components of the hypothalamic-pituitary-gonadal axis. <i>Brain Research</i> , 2019, 1714, 210-217.	1.1	23
5	Redox Activation of Nox1 (NADPH Oxidase 1) Involves an Intermolecular Disulfide Bond Between Protein Disulfide Isomerase and p47 ^{phox} in Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 224-236.	1.1	25
6	Short-term high glucose culture potentiates pancreatic beta cell function. <i>Scientific Reports</i> , 2018, 8, 13061.	1.6	19
7	Zinc Supplementation Improves Glucose Homeostasis in High Fat-Fed Mice by Enhancing Pancreatic β -Cell Function. <i>Nutrients</i> , 2017, 9, 1150.	1.7	34
8	Winter course in physiology: a successful example of continuing education for secondary school teachers in Brazil. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2016, 40, 491-498.	0.8	3
9	Distinct pathways of cholesterol biosynthesis impact on insulin secretion. <i>Journal of Endocrinology</i> , 2015, 224, 75-84.	1.2	21
10	Carbohydrate- and lipid-enriched meals acutely disrupt glycemic homeostasis by inducing transient insulin resistance in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 537-545.	0.7	9
11	Reactive oxygen and nitrogen species generation, antioxidant defenses, and β -cell function: a critical role for amino acids. <i>Journal of Endocrinology</i> , 2012, 214, 11-20.	1.2	129
12	Amino acids and diabetes: implications for endocrine, metabolic and immune function. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 315.	3.0	41
13	Control of the Intracellular Redox State by Glucose Participates in the Insulin Secretion Mechanism. <i>PLoS ONE</i> , 2011, 6, e24507.	1.1	52
14	Oleic Acid Modulates Metabolic Substrate Channeling during Glucose-Stimulated Insulin Secretion via NAD(P)H Oxidase. <i>Endocrinology</i> , 2011, 152, 3614-3621.	1.4	21
15	Low doses of hydrogen peroxide impair glucose-stimulated insulin secretion via inhibition of glucose metabolism and intracellular calcium oscillations. <i>Metabolism: Clinical and Experimental</i> , 2010, 59, 409-413.	1.5	32
16	Progression of Diet-Induced Diabetes in C57BL/6j Mice Involves Functional Dissociation of Ca ²⁺ Channels From Secretory Vesicles. <i>Diabetes</i> , 2010, 59, 1192-1201.	0.3	63
17	GLP-1 Inhibits and Adrenaline Stimulates Glucagon Release by Differential Modulation of N- and L-Type Ca ²⁺ Channel-Dependent Exocytosis. <i>Cell Metabolism</i> , 2010, 11, 543-553.	7.2	225
18	Association of NAD(P)H Oxidase with Glucose-Induced Insulin Secretion by Pancreatic β -Cells. <i>Endocrinology</i> , 2009, 150, 2197-2201.	1.4	115

#	ARTICLE	IF	CITATIONS
19	Comparative effects of DHA and EPA on cell function. , 2009, 122, 56-64.		162
20	Proton flux induced by free fatty acids across phospholipid bilayers: New evidences based on short-circuit measurements in planar lipid membranes. Archives of Biochemistry and Biophysics, 2009, 484, 63-69.	1.4	8
21	Expression of an activating mutation in the gene encoding the KATP channel subunit Kir6.2 in mouse pancreatic β^2 cells recapitulates neonatal diabetes. Journal of Clinical Investigation, 2009, 119, 80-90.	3.9	95
22	Novel aspects of the molecular mechanisms controlling insulin secretion. Journal of Physiology, 2008, 586, 3313-3324.	1.3	162
23	KATP-channels and glucose-regulated glucagon secretion. Trends in Endocrinology and Metabolism, 2008, 19, 277-284.	3.1	86
24	Cell coupling in mouse pancreatic β^2 -cells measured in intact islets of Langerhans. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3503-3523.	1.6	69
25	Time-dependent effects of fatty acids on skeletal muscle metabolism. Journal of Cellular Physiology, 2007, 210, 7-15.	2.0	62
26	Surface potential determination in planar lipid bilayers: A simplification of the conductance-ratio method. Journal of Proteomics, 2007, 70, 515-518.	2.4	5
27	Role of fatty acids in the transition from anaerobic to aerobic metabolism in skeletal muscle during exercise. Cell Biochemistry and Function, 2006, 24, 475-481.	1.4	19
28	Chewing over physiology integration. American Journal of Physiology - Advances in Physiology Education, 2005, 29, 51-53.	0.8	8
29	Fatty acid flip-flop and proton transport determined by short-circuit current in planar bilayers. Journal of Lipid Research, 2005, 46, 245-251.	2.0	18
30	Fatty acid transport across lipid bilayer planar membranes. Lipids, 2000, 35, 31-34.	0.7	4