

Abdelilah Arredouani

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,214
citations

361413

20
h-index

330143

37
g-index

39
all docs

39
docs citations

39
times ranked

2303
citing authors

#	ARTICLE	IF	CITATIONS
1	NAADP mobilizes calcium from acidic organelles through two-pore channels. <i>Nature</i> , 2009, 459, 596-600.	27.8	687
2	Identification of a chemical probe for NAADP by virtual screening. <i>Nature Chemical Biology</i> , 2009, 5, 220-226.	8.0	274
3	Purified TPC Isoforms Form NAADP Receptors with Distinct Roles for Ca ²⁺ Signaling and Endolysosomal Trafficking. <i>Current Biology</i> , 2010, 20, 703-709.	3.9	234
4	Uptake and Release of Ca ²⁺ by the Endoplasmic Reticulum Contribute to the Oscillations of the Cytosolic Ca ²⁺ Concentration Triggered by Ca ²⁺ Influx in the Electrically Excitable Pancreatic B-cell. <i>Journal of Biological Chemistry</i> , 1999, 274, 20197-20205.	3.4	119
5	NAADP as an intracellular messenger regulating lysosomal calcium-release channels. <i>Biochemical Society Transactions</i> , 2010, 38, 1424-1431.	3.4	91
6	SERCA3 Ablation Does Not Impair Insulin Secretion but Suggests Distinct Roles of Different Sarcoendoplasmic Reticulum Ca ²⁺ Pumps for Ca ²⁺ Homeostasis in Pancreatic β -cells. <i>Diabetes</i> , 2002, 51, 3245-3253.	0.6	87
7	The acid test: the discovery of two-pore channels (TPCs) as NAADP-gated endolysosomal Ca ²⁺ release channels. <i>Pflügers Archiv European Journal of Physiology</i> , 2009, 458, 869-876.	2.8	86
8	Cell-permeant NAADP: A novel chemical tool enabling the study of Ca ²⁺ signalling in intact cells. <i>Cell Calcium</i> , 2008, 43, 531-538.	2.4	73
9	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic β^2 Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 21376-21392.	3.4	48
10	Relationship between salivary/pancreatic amylase and body mass index: a systems biology approach. <i>BMC Medicine</i> , 2017, 15, 37.	5.5	47
11	Contribution of the endoplasmic reticulum to the glucose-induced [Ca ²⁺] _{sub>c</sub> response in mouse pancreatic islets. <i>American Journal of Physiology - Endocrinology and Metabolism</i>, 2002, 282, E982-E991.}	3.5	44
12	Diagnostic, Prognostic, and Mechanistic Biomarkers of Diabetes Mellitus-Associated Cognitive Decline. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6144.	4.1	35
13	A STIM1-dependent Ca^{2+} trafficking trap TM mechanism regulates Orai1 plasma membrane residence and Ca ²⁺ influx levels. <i>Journal of Cell Science</i> , 2015, 128, 3143-54.	2.0	34
14	Metabolomic Profile of Low α Copy Number Carriers at the Salivary β -Amylase Gene Suggests a Metabolic Shift Toward Lipid-Based Energy Production. <i>Diabetes</i> , 2016, 65, 3362-3368.	0.6	32
15	An emerging role for NAADP-mediated Ca ²⁺ signaling in the pancreatic β^2 -cell. <i>Islets</i> , 2010, 2, 323-330.	1.8	29
16	Regulation of store-operated Ca ²⁺ entry during the cell cycle. <i>Journal of Cell Science</i> , 2010, 123, 2155-2162.	2.0	28
17	Mechanisms behind the immediate effects of Roux-en-Y gastric bypass surgery on type 2 diabetes. <i>Theoretical Biology and Medical Modelling</i> , 2013, 10, 45.	2.1	28
18	Atypical Ca ²⁺ -induced Ca ²⁺ -release from a sarco-endoplasmic reticulum Ca ²⁺ -ATPase 3-dependent Ca ²⁺ -pool in mouse pancreatic β^2 -cells. <i>Journal of Physiology</i> , 2004, 559, 141-156.	2.9	27

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19	Inositol 1,4,5-Trisphosphate Receptors in Hypertension. <i>Frontiers in Physiology</i> , 2018, 9, 1018.	2.8	26
20	Noncoding RNAs in Nonalcoholic Fatty Liver Disease: Potential Diagnosis and Prognosis Biomarkers. <i>Disease Markers</i> , 2020, 2020, 1-16.	1.3	26
21	Apple messenger RNAs related to bacterial lignostilbene dioxygenase and plant SAUR genes are preferentially expressed in flowers. <i>Plant Molecular Biology</i> , 1998, 36, 909-915.	3.9	20
22	Impact of statistical models on the prediction of type 2 diabetes using non-targeted metabolomics profiling. <i>Molecular Metabolism</i> , 2016, 5, 918-925.	6.5	18
23	Evaluation of cationic channel TRPV2 as a novel biomarker and therapeutic target in Leukemia-Implications concerning the resolution of pulmonary inflammation. <i>Scientific Reports</i> , 2019, 9, 1554.	3.3	18
24	Exendin-4 alleviates steatosis in an in vitro cell model by lowering FABP1 and FOXA1 expression via the Wnt/-catenin signaling pathway. <i>Scientific Reports</i> , 2022, 12, 2226.	3.3	16
25	DNAJB3 attenuates metabolic stress and promotes glucose uptake by eliciting Glut4 translocation. <i>Scientific Reports</i> , 2019, 9, 4772.	3.3	12
26	Association of dyslipidemia, diabetes and metabolic syndrome with serum ferritin levels: a middle eastern population-based cross-sectional study. <i>Scientific Reports</i> , 2021, 11, 24080.	3.3	11
27	Identification of Novel Circulating miRNAs in Patients with Acute Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3387.	4.1	11
28	High plasma salivary $\hat{\alpha}$ -amylase, but not high AMY1 copy number, associated with low obesity rate in Qatari adults: cross-sectional study. <i>Scientific Reports</i> , 2020, 10, 17918.	3.3	10
29	Simple risk score to screen for prediabetes: A cross-sectional study from the Qatar Biobank cohort. <i>Journal of Diabetes Investigation</i> , 2021, 12, 988-997.	2.4	9
30	Comprehensive analysis of LncRNAs expression profiles in an in vitro model of steatosis treated with Exendin-4. <i>Journal of Translational Medicine</i> , 2021, 19, 235.	4.4	7
31	Accelerating the Design of Photocatalytic Surfaces for Antimicrobial Application: Machine Learning Based on a Sparse Dataset. <i>Catalysts</i> , 2021, 11, 1001.	3.5	6
32	Reduced odds of diabetes associated with high plasma salivary $\hat{\alpha}$ -amylase activity in Qatari women: a cross-sectional study. <i>Scientific Reports</i> , 2021, 11, 11495.	3.3	5
33	Comparative Transcriptome Analysis Reveals That Exendin-4 Improves Steatosis in HepG2 Cells by Modulating Signaling Pathways Related to Lipid Metabolism. <i>Biomedicines</i> , 2022, 10, 1020.	3.2	5
34	Using Unstated Cases to Correct for COVID-19 Pandemic Outbreak and Its Impact on Easing the Intervention for Qatar. <i>Biology</i> , 2021, 10, 463.	2.8	4
35	Airway surface liquid volume expansion induces rapid changes in amiloride-sensitive Na^+ transport across upper airway epithelium-Implications concerning the resolution of pulmonary edema. <i>Physiological Reports</i> , 2015, 3, e12453.	1.7	1
36	Greater and More Focused Measures Are Needed to Tackle Diabetes and Obesity Epidemics in the Nations of the Gulf Cooperation Council. <i>International Journal of Endocrinology</i> , 2021, 2021, 1-9.	1.5	1

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37	Elevated levels of salivary α -amylase activity in saliva associated with reduced odds of obesity in adult Qatari citizens: A cross-sectional study. PLoS ONE, 2022, 17, e0264692.	2.5	1
38	Trafficking and Regulation of Orai1 in Mammalian Cells. Qatar Foundation Annual Research Forum Proceedings, 2011, , BMP25.	0.0	0