

Amar Abderrahmani

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61

papers

3,096

citations

28

h-index

55

g-index

72

ext. papers

3,480

ext. citations

8

avg. IF

4.5

L-index

#	Paper	IF	Citations
61	Inhibition of the glucose transporter SGLT2 with dapagliflozin in pancreatic alpha cells triggers glucagon secretion. <i>Nature Medicine</i> , 2015 , 21, 512-7	50.5	440
60	Alterations in microRNA expression contribute to fatty acid-induced pancreatic beta-cell dysfunction. <i>Diabetes</i> , 2008 , 57, 2728-36	0.9	286
59	MicroRNA-9 controls the expression of Granuphilin/Slp4 and the secretory response of insulin-producing cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 26932-42	5.4	283
58	Involvement of microRNAs in the cytotoxic effects exerted by proinflammatory cytokines on pancreatic beta-cells. <i>Diabetes</i> , 2010 , 59, 978-86	0.9	253
57	Exendin-4 protects beta-cells from interleukin-1 beta-induced apoptosis by interfering with the c-Jun NH2-terminal kinase pathway. <i>Diabetes</i> , 2008 , 57, 1205-15	0.9	125
56	MicroRNAs contribute to compensatory β cell expansion during pregnancy and obesity. <i>Journal of Clinical Investigation</i> , 2012 , 122, 3541-51	15.9	122
55	Human high-density lipoprotein particles prevent activation of the JNK pathway induced by human oxidised low-density lipoprotein particles in pancreatic beta cells. <i>Diabetologia</i> , 2007 , 50, 1304-14	10.3	115
54	Risk prediction of prevalent diabetes in a Swiss population using a weighted genetic score--the CoLaus Study. <i>Diabetologia</i> , 2009 , 52, 600-8	10.3	95
53	Anatomy of a homeoprotein revealed by the analysis of human MODY3 mutations. <i>Journal of Biological Chemistry</i> , 1999 , 274, 35639-46	5.4	75
52	Loss-of-function mutations in ADCY3 cause monogenic severe obesity. <i>Nature Genetics</i> , 2018 , 50, 175-179	36.3	74
51	Endoplasmic Reticulum Stress Links Oxidative Stress to Impaired Pancreatic Beta-Cell Function Caused by Human Oxidized LDL. <i>PLoS ONE</i> , 2016 , 11, e0163046	3.7	60
50	Complexin I regulates glucose-induced secretion in pancreatic beta-cells. <i>Journal of Cell Science</i> , 2004 , 117, 2239-47	5.3	59
49	Photothermally triggered on-demand insulin release from reduced graphene oxide modified hydrogels. <i>Journal of Controlled Release</i> , 2017 , 246, 164-173	11.7	58
48	ICER induced by hyperglycemia represses the expression of genes essential for insulin exocytosis. <i>EMBO Journal</i> , 2006 , 25, 977-86	13	55
47	Critical role of the transcriptional repressor neuron-restrictive silencer factor in the specific control of connexin36 in insulin-producing cell lines. <i>Journal of Biological Chemistry</i> , 2003 , 278, 53082-9	5.4	55
46	Transdermal skin patch based on reduced graphene oxide: A new approach for photothermal triggered permeation of ondansetron across porcine skin. <i>Journal of Controlled Release</i> , 2017 , 245, 137-146	11.7	52
45	The c-Jun N-terminal kinase JNK participates in cytokine- and isolation stress-induced rat pancreatic islet apoptosis. <i>Diabetologia</i> , 2007 , 50, 1660-9	10.3	47

44	Increased Hepatic PDGF-AA Signaling Mediates Liver Insulin Resistance in Obesity-Associated Type 2 Diabetes. <i>Diabetes</i> , 2018 , 67, 1310-1321	0.9	42
43	The transcriptional repressor REST determines the cell-specific expression of the human MAPK8IP1 gene encoding IB1 (JIP-1). <i>Molecular and Cellular Biology</i> , 2001 , 21, 7256-67	4.8	42
42	Role of microRNAs in islet beta-cell compensation and failure during diabetes. <i>Journal of Diabetes Research</i> , 2014 , 2014, 618652	3.9	41
41	ICER-1gamma overexpression drives palmitate-mediated connexin36 down-regulation in insulin-secreting cells. <i>Journal of Biological Chemistry</i> , 2008 , 283, 5226-34	5.4	40
40	Functional significance of repressor element 1 silencing transcription factor (REST) target genes in pancreatic beta cells. <i>Diabetologia</i> , 2008 , 51, 1429-39	10.3	39
39	A unique set of SH3-SH3 interactions controls IB1 homodimerization. <i>EMBO Journal</i> , 2006 , 25, 785-97	13	35
38	JNK3 is abundant in insulin-secreting cells and protects against cytokine-induced apoptosis. <i>Diabetologia</i> , 2009 , 52, 1871-80	10.3	34
37	Identification of seven novel nucleotide variants in the hepatocyte nuclear factor-1alpha (TCF1) promoter region in MODY patients. <i>Human Mutation</i> , 2000 , 15, 173-80	4.7	34
36	Role of the JNK-interacting protein 1/islet brain 1 in cell degeneration in Alzheimer disease and diabetes. <i>Brain Research Bulletin</i> , 2009 , 80, 274-81	3.9	33
35	Expression and functional assessment of candidate type 2 diabetes susceptibility genes identify four new genes contributing to human insulin secretion. <i>Molecular Metabolism</i> , 2017 , 6, 459-470	8.8	32
34	The repressor element silencing transcription factor (REST)-mediated transcriptional repression requires the inhibition of Sp1. <i>Journal of Biological Chemistry</i> , 2005 , 280, 401-7	5.4	31
33	Neuronal traits are required for glucose-induced insulin secretion. <i>FEBS Letters</i> , 2004 , 565, 133-8	3.8	27
32	Electrochemically triggered release of human insulin from an insulin-impregnated reduced graphene oxide modified electrode. <i>Chemical Communications</i> , 2015 , 51, 14167-70	5.8	24
31	Role for inducible cAMP early repressor in promoting pancreatic beta cell dysfunction evoked by oxidative stress in human and rat islets. <i>Diabetologia</i> , 2011 , 54, 2337-46	10.3	24
30	Neurotensin is a regulator of insulin secretion in pancreatic beta-cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2010 , 42, 1681-8	5.6	24
29	IB1/JIP-1 controls JNK activation and increased during prostatic LNCaP cells neuroendocrine differentiation. <i>Cellular Signalling</i> , 2005 , 17, 929-39	4.9	24
28	Mechanisms controlling the expression of the components of the exocytotic apparatus under physiological and pathological conditions. <i>Biochemical Society Transactions</i> , 2006 , 34, 696-700	5.1	22
27	Role of the transcriptional factor C/EBPbeta in free fatty acid-elicited beta-cell failure. <i>Molecular and Cellular Endocrinology</i> , 2009 , 305, 47-55	4.4	21

26	Insulin impregnated reduced graphene oxide/Ni(OH) ₂ thin films for electrochemical insulin release and glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 693-701	8.5	21
25	Impaired histone deacetylases 5 and 6 expression mimics the effects of obesity and hypoxia on adipocyte function. <i>Molecular Metabolism</i> , 2016 , 5, 1200-1207	8.8	21
24	The class I histone deacetylase inhibitor MS-275 prevents pancreatic beta cell death induced by palmitate. <i>Journal of Diabetes Research</i> , 2014 , 2014, 195739	3.9	20
23	Expression of an uncleavable N-terminal RasGAP fragment in insulin-secreting cells increases their resistance toward apoptotic stimuli without affecting their glucose-induced insulin secretion. <i>Journal of Biological Chemistry</i> , 2005 , 280, 32835-42	5.4	18
22	Near-infrared light activatable hydrogels for metformin delivery. <i>Nanoscale</i> , 2019 , 11, 15810-15820	7.7	17
21	Impaired expression of the inducible cAMP early repressor accounts for sustained adipose CREB activity in obesity. <i>Diabetes</i> , 2011 , 60, 3169-74	0.9	17
20	The mif gene is transcriptionally regulated by glucose in insulin-secreting cells. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 295, 174-81	3.4	15
19	Reduction of connexin36 content by ICER-1 contributes to insulin-secreting cells apoptosis induced by oxidized LDL particles. <i>PLoS ONE</i> , 2013 , 8, e55198	3.7	14
18	Electrothermal patches driving the transdermal delivery of insulin. <i>Nanoscale Horizons</i> , 2020 , 5, 663-670	10.8	14
17	JNK3 is required for the cytoprotective effect of exendin 4. <i>Journal of Diabetes Research</i> , 2014 , 2014, 814854	3.9	13
16	LEDGF/p75 TATA-less promoter is driven by the transcription factor Sp1. <i>Journal of Molecular Biology</i> , 2011 , 414, 177-93	6.5	12
15	The impact of chemical engineering and technological advances on managing diabetes: present and future concepts. <i>Chemical Society Reviews</i> , 2021 , 50, 2102-2146	58.5	12
14	Potential of Calcium Influx and Insulin Secretion in Pancreatic Beta Cell by the Specific TREK-1 Blocker Spadin. <i>Journal of Diabetes Research</i> , 2016 , 2016, 3142175	3.9	11
13	KAT2B Is Required for Pancreatic Beta Cell Adaptation to Metabolic Stress by Controlling the Unfolded Protein Response. <i>Cell Reports</i> , 2016 , 15, 1051-1061	10.6	10
12	Placental antiangiogenic prolactin fragments are increased in human and rat maternal diabetes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1783-93	6.9	8
11	Genetic variation in the hepatocyte nuclear factor-3beta gene (HNF3B) does not contribute to maturity-onset diabetes of the young in French Caucasians. <i>Diabetes</i> , 2000 , 49, 306-8	0.9	7
10	Histone deacetylase 9 promoter hypomethylation associated with adipocyte dysfunction is a statin-related metabolic effect. <i>Clinical Epigenetics</i> , 2020 , 12, 68	7.7	6
9	The hairy and enhancer of split 1 is a negative regulator of the repressor element silencer transcription factor. <i>FEBS Letters</i> , 2005 , 579, 6199-204	3.8	6

8	The Map3k12 (Dlk)/JNK3 signaling pathway is required for pancreatic beta-cell proliferation during postnatal development. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 287-298	10.3	5
7	Physiopathologie du diabète. <i>Revue Francophone Des Laboratoires</i> , 2018 , 2018, 26-32	0	3
6	Evidence for tuning adipocytes ICER levels for obesity care. <i>Adipocyte</i> , 2012 , 1, 157-160	3.2	3
5	Decompensation of β cells in diabetes: when pancreatic β cells are on ICE(R). <i>Journal of Diabetes Research</i> , 2014 , 2014, 768024	3.9	2
4	Innovative transdermal delivery of insulin using gelatin methacrylate-based microneedle patches in mice and mini-pigs.. <i>Nanoscale Horizons</i> , 2022 ,	10.8	2
3	Sortilin-derived peptides promote pancreatic beta-cell survival through CREB signaling pathway. <i>Pharmacological Research</i> , 2021 , 167, 105539	10.2	2
2	Islet Brain 1 Protects Insulin Producing Cells against Lipotoxicity. <i>Journal of Diabetes Research</i> , 2016 , 2016, 9158562	3.9	2
1	Carbon quantum dots as a dual platform for the inhibition and light-based destruction of collagen fibers: implications for the treatment of eye floaters. <i>Nanoscale Horizons</i> , 2021 , 6, 449-461	10.8	2