

Karim Bouzakri

List of Publications by Year in descending order

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42
papers

3,577
citations

236925

25
h-index

265206

42
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docs citations

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times ranked

5651
citing authors

#	ARTICLE	IF	CITATIONS
1	Interleukin-6 enhances insulin secretion by increasing glucagon-like peptide-1 secretion from L cells and alpha cells. <i>Nature Medicine</i> , 2011, 17, 1481-1489.	30.7	714
2	Tumor Necrosis Factor- α Induces Skeletal Muscle Insulin Resistance in Healthy Human Subjects via Inhibition of Akt Substrate 160 Phosphorylation. <i>Diabetes</i> , 2005, 54, 2939-2945.	0.6	503
3	Reduced Activation of Phosphatidylinositol-3 Kinase and Increased Serine 636 Phosphorylation of Insulin Receptor Substrate-1 in Primary Culture of Skeletal Muscle Cells From Patients With Type 2 Diabetes. <i>Diabetes</i> , 2003, 52, 1319-1325.	0.6	262
4	Signaling Specificity of Interleukin-6 Action on Glucose and Lipid Metabolism in Skeletal Muscle. <i>Molecular Endocrinology</i> , 2006, 20, 3364-3375.	3.7	206
5	siRNA-based gene silencing reveals specialized roles of IRS-1/Akt2 and IRS-2/Akt1 in glucose and lipid metabolism in human skeletal muscle. <i>Cell Metabolism</i> , 2006, 4, 89-96.	16.2	180
6	Suppressor of Cytokine Signaling 3 Expression and Insulin Resistance in Skeletal Muscle of Obese and Type 2 Diabetic Patients. <i>Diabetes</i> , 2004, 53, 2232-2241.	0.6	161
7	MAP4K4 Gene Silencing in Human Skeletal Muscle Prevents Tumor Necrosis Factor- α -induced Insulin Resistance. <i>Journal of Biological Chemistry</i> , 2007, 282, 7783-7789.	3.4	119
8	Bimodal Effect on Pancreatic β -Cells of Secretory Products From Normal or Insulin-Resistant Human Skeletal Muscle. <i>Diabetes</i> , 2011, 60, 1111-1121.	0.6	115
9	Identification of a SIRT1 Mutation in a Family with Type 1 Diabetes. <i>Cell Metabolism</i> , 2013, 17, 448-455.	16.2	103
10	Skeletal Muscle-Released Extracellular Vesicles: State of the Art. <i>Frontiers in Physiology</i> , 2019, 10, 929.	2.8	91
11	Circulating Follistatin Is Liver-Derived and Regulated by the Glucagon-to-Insulin Ratio. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 550-560.	3.6	88
12	Molecular Mechanisms of Skeletal Muscle Insulin Resistance in Type 2 Diabetes. <i>Current Diabetes Reviews</i> , 2005, 1, 167-174.	1.3	84
13	siRNA-Mediated Reduction of Inhibitor of Nuclear Factor- κ B Kinase Prevents Tumor Necrosis Factor- α -induced Insulin Resistance in Human Skeletal Muscle. <i>Diabetes</i> , 2008, 57, 2066-2073.	0.6	80
14	IL-4 and IL-13 Up-Regulate Intestinal Trefoil Factor Expression: Requirement for STAT6 and De Novo Protein Synthesis. <i>Journal of Immunology</i> , 2004, 172, 3775-3783.	0.8	79
15	Human skeletal myotubes display a cell-autonomous circadian clock implicated in basal myokine secretion. <i>Molecular Metabolism</i> , 2015, 4, 834-845.	6.5	78
16	Malonyl CoenzymeA Decarboxylase Regulates Lipid and Glucose Metabolism in Human Skeletal Muscle. <i>Diabetes</i> , 2008, 57, 1508-1516.	0.6	69
17	Pax6 Controls the Expression of Critical Genes Involved in Pancreatic β Cell Differentiation and Function*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33381-33393.	3.4	62
18	Glucose-Dependent Insulinotropic Peptide Stimulates Glucagon-Like Peptide 1 Production by Pancreatic Islets via Interleukin 6, Produced by β Cells. <i>Gastroenterology</i> , 2016, 151, 165-179.	1.3	59

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19	In Vitro Proliferation of Adult Human Beta-Cells. <i>PLoS ONE</i> , 2012, 7, e35801.	2.5	52
20	Rab GTPase-Activating Protein AS160 Is a Major Downstream Effector of Protein Kinase B/Akt Signaling in Pancreatic β -Cells. <i>Diabetes</i> , 2008, 57, 1195-1204.	0.6	50
21	Silencing Mitogen-activated Protein 4 Kinase 4 (MAP4K4) Protects Beta Cells from Tumor Necrosis Factor- α -induced Decrease of IRS-2 and Inhibition of Glucose-stimulated Insulin Secretion. <i>Journal of Biological Chemistry</i> , 2009, 284, 27892-27898.	3.4	48
22	IRS-1 Serine Phosphorylation and Insulin Resistance in Skeletal Muscle From Pancreas Transplant Recipients. <i>Diabetes</i> , 2006, 55, 785-791.	0.6	47
23	The expression of the p85 β subunit of phosphatidylinositol 3-Kinase is induced by activation of the peroxisome proliferator-activated receptor β in human adipocytes. <i>Diabetologia</i> , 2001, 44, 544-554.	6.3	44
24	Fractalkine (CX3CL1), a new factor protecting β -cells against TNF α . <i>Molecular Metabolism</i> , 2014, 3, 731-741.	6.5	31
25	Angiogenin and Osteoprotegerin are type II muscle specific myokines protecting pancreatic beta-cells against proinflammatory cytokines. <i>Scientific Reports</i> , 2018, 8, 10072.	3.3	29
26	IL-13 improves beta-cell survival and protects against IL-1 β -induced beta-cell death. <i>Molecular Metabolism</i> , 2016, 5, 122-131.	6.5	25
27	Beneficial effects of the novel marine oxygen carrier M101 during cold preservation of rat and human pancreas. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 8025-8034.	3.6	25
28	Bimodal impact of skeletal muscle on pancreatic β -cell function in health and disease. <i>Diabetes, Obesity and Metabolism</i> , 2012, 14, 78-84.	4.4	24
29	Regulation of p85 β phosphatidylinositol-3-kinase expression by peroxisome proliferator-activated receptors (PPARs) in human muscle cells. <i>FEBS Letters</i> , 2001, 502, 98-102.	2.8	18
30	WY-14643 and 9-cis-retinoic acid induce IRS-2/PI 3-kinase signalling pathway and increase glucose transport in human skeletal muscle cells: differential effect in myotubes from healthy subjects and Type 2 diabetic patients. <i>Diabetologia</i> , 2004, 47, 1314-1323.	6.3	17
31	Glycaemic control in diabetic rats treated with islet transplantation using plasma combined with hydroxypropylmethyl cellulose hydrogel. <i>Acta Biomaterialia</i> , 2020, 102, 259-272.	8.3	16
32	Expression, phosphorylation and function of the Rab GTPase activating protein TBC1D1 in pancreatic β -cells. <i>FEBS Letters</i> , 2014, 588, 15-20.	2.8	15
33	Crosstalk Communications Between Islets Cells and Insulin Target Tissue: The Hidden Face of Iceberg. <i>Frontiers in Endocrinology</i> , 2022, 13, 836344.	3.5	14
34	Effect of Human Myotubes-Derived Media on Glucose-Stimulated Insulin Secretion. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-9.	2.3	13
35	Insights on the Role of Putative Muscle-Derived Factors on Pancreatic Beta Cell Function. <i>Frontiers in Physiology</i> , 2019, 10, 1024.	2.8	12
36	Beta-Cell-Specific Expression of Nicotinamide Adenine Dinucleotide Phosphate Oxidase 5 Aggravates High-Fat Diet-Induced Impairment of Islet Insulin Secretion in Mice. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 618-635.	5.4	10

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37	Selective protein depletion impairs bone growth and causes liver fatty infiltration in female rats: prevention by Spirulina alga. <i>Osteoporosis International</i> , 2016, 27, 3365-3376.	3.1	8
38	Extra-Hepatic Islet Transplantation. <i>Cell Transplantation</i> , 2018, 27, 1289-1293.	2.5	7
39	Exercise-evoked intramuscular neutrophil-endothelial interactions support muscle performance and GLUT4 translocation: a mouse gnawing model study. <i>Journal of Physiology</i> , 2020, 598, 101-122.	2.9	7
40	Impact of moderate exercise on fatty acid oxidation in pancreatic β -cells and skeletal muscle. <i>Journal of Endocrinological Investigation</i> , 2021, 44, 1815-1825.	3.3	7
41	Integrin and autocrine IGF2 pathways control fasting insulin secretion in β -cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 16510-16528.	3.4	3
42	Impact of moderate dietary protein restriction on glucose homeostasis in a model of oestrogen deficiency. <i>Journal of Nutritional Biochemistry</i> , 2022, 102, 108952.	4.2	0