Raphael Roduit

List of Publications by Year
in descending order

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Version: 2024-02-01

39 papers	3,264 citations	257450 24 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	3647 citing authors

#	Article	IF	Citations
1	GSH-Independent Induction of ER Stress during Hypoglycaemia in the Retinal Cells of Mice. Journal of Clinical Medicine, 2021, 10, 2529.	2.4	4
2	CNGB3 Missense Variant Causes Recessive Achromatopsia in Original Braunvieh Cattle. International Journal of Molecular Sciences, 2021, 22, 12440.	4.1	4
3	Molecular Biomarkers of Neovascular Age-Related Macular Degeneration With Incomplete Response to Anti-Vascular Endothelial Growth Factor Treatment. Frontiers in Pharmacology, 2020, 11, 594087.	3.5	12
4	Loss of Extracellular Signal-Regulated Kinase 1/2 in the Retinal Pigment Epithelium Leads to RPE65 Decrease and Retinal Degeneration. Molecular and Cellular Biology, 2017, 37, .	2.3	11
5	Bis-Retinoid A2E Induces an Increase of Basic Fibroblast Growth Factor via Inhibition of Extracellular Signal-Regulated Kinases 1/2 Pathway in Retinal Pigment Epithelium Cells and Facilitates Phagocytosis.2. Frontiers in Aging Neuroscience, 2017, 9, 43.	3.4	5
6	Biological Characterization of Gene Response to Insulin-Induced Hypoglycemia in Mouse Retina. PLoS ONE, 2016, 11, e0150266.	2.5	6
7	Hypoglycemia and Retinal Cell Death. , 2014, , 627-636.		1
8	Complement Factor B Polymorphism and the Phenotype of Early Age-related Macular Degeneration. Ophthalmic Genetics, 2014, 35, 12-17.	1.2	17
9	ERK1/2 pathway is activated in degenerated Rpe65-deficient mice. Experimental Eye Research, 2013, 116, 86-95.	2.6	3
10	Autophagy Defect Is Associated with Low Glucose-Induced Apoptosis in 661W Photoreceptor Cells. PLoS ONE, 2013, 8, e74162.	2.5	31
11	Acute Hypoglycemia Induces Retinal Cell Death in Mouse. PLoS ONE, 2011, 6, e21586.	2.5	28
12	Mutations in the DNA-Binding Domain of NR2E3 Affect In Vivo Dimerization and Interaction with CRX. PLoS ONE, 2009, 4, e7379.	2.5	32
13	Mutations in NR2E3 can cause dominant or recessive retinal degenerations in the same family. Human Mutation, 2009, 30, 342-351.	2.5	60
14	Glucose represses PPARÎ±gene expression via AMPâ€activated protein kinase but not via p38 mitogenâ€activated protein kinase in the pancreatic Î²â€cell. Journal of Diabetes, 2009, 1, 263-272.	1.8	20
15	MAP kinase pathways in UV-induced apoptosis of retinal pigment epithelium ARPE19 cells. Apoptosis: an International Journal on Programmed Cell Death, 2008, 13, 343-353.	4.9	101
16	Glucose and leptin induce apoptosis in human Î²â€•cells and impair glucoseâ€stimulated insulin secretion through activation of câ€Jun Nâ€terminal kinases. FASEB Journal, 2008, 22, 1905-1913.	0.5	94
17	A unique set of SH3â€“SH3 interactions controls IB1 homodimerization. EMBO Journal, 2006, 25, 785-797.	7.8	38
18	Homogeneous and Nonradioactive High-Throughput Screening Platform for the Characterization of Kinase Inhibitors in Cell Lysates. Journal of Biomolecular Screening, 2006, 11, 1015-1026.	2.6	27

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19	Pancreatic Islet Adaptation to Fasting Is Dependent on Peroxisome Proliferator-Activated Receptor Î± Transcriptional Up-Regulation of Fatty Acid Oxidation. Endocrinology, 2005, 146, 375-382.	2.8	89
20	Malonyl-CoA decarboxylase is present in the cytosolic, mitochondrial and peroxisomal compartments of rat hepatocytes. FEBS Letters, 2005, 579, 6581-6586.	2.8	23
21	Intracellular Stress Signaling Pathways Activated During Human Islet Preparation and Following Acute Cytokine Exposure. Diabetes, 2004, 53, 2815-2823.	0.6	170
22	A Role for the Malonyl-CoA/Long-Chain Acyl-CoA Pathway of Lipid Signaling in the Regulation of Insulin Secretion in Response to Both Fuel and Nonfuel Stimuli. Diabetes, 2004, 53, 1007-1019.	0.6	164
23	Circadian regulation of islet genes involved in insulin production and secretion. Molecular and Cellular Endocrinology, 2004, 226, 59-66.	3.2	87
24	Saturated Fatty Acids Synergize with Elevated Glucose to Cause Pancreatic Î²-Cell Death. Endocrinology, 2003, 144, 4154-4163.	2.8	527
25	DcR3/TR6 Effectively Prevents Islet Primary Nonfunction After Transplantation. Diabetes, 2003, 52, 2279-2286.	0.6	24
26	Calcium- and Proteasome-dependent Degradation of the JNK Scaffold Protein Islet-brain 1. Journal of Biological Chemistry, 2003, 278, 48720-48726.	3.4	18
27	Malonyl-CoA Signaling, Lipid Partitioning, and Glucolipotoxicity: Role in Â-Cell Adaptation and Failure in the Etiology of Diabetes. Diabetes, 2002, 51, S405-S413.	0.6	380
28	A Role for Hormone-Sensitive Lipase in Glucose-Stimulated Insulin Secretion: A Study in Hormone-Sensitive Lipase-Deficient Mice. Diabetes, 2001, 50, 1970-1975.	0.6	113
29	Lipoprotein Lipase and Leptin Are Accumulated in Different Secretory Compartments in Rat Adipocytes. Journal of Biological Chemistry, 2001, 276, 35990-35994.	3.4	28
30	Activation of Malonyl-CoA Decarboxylase in Rat Skeletal Muscle by Contraction and the AMP-activated Protein Kinase Activator 5-Aminoimidazole-4-carboxamide-1-Î²-d-ribofuranoside. Journal of Biological Chemistry, 2000, 275, 24279-24283.	3.4	162
31	Glucose Down-regulates the Expression of the Peroxisome Proliferator-activated Receptor-Î± Gene in the Pancreatic Î²-Cell. Journal of Biological Chemistry, 2000, 275, 35799-35806.	3.4	145
32	Glucagon-like peptide-1 promotes DNA synthesis, activates phosphatidylinositol 3-kinase and increases transcription factor pancreatic and duodenal homeobox gene 1 (PDX-1) DNA binding activity in beta (INS-1)-cells. Diabetologia, 1999, 42, 856-864.	6.3	383
33	Cloning and expression of rat pancreatic Î²-cell malonyl-CoA decarboxylase. Biochemical Journal, 1999, 340, 213-217.	3.7	33
34	Cloning and expression of rat pancreatic Î²-cell malonyl-CoA decarboxylase. Biochemical Journal, 1999, 340, 213.	3.7	14
35	Dexamethasone Induces Posttranslational Degradation of GLUT2 and Inhibition of Insulin Secretion in Isolated Pancreatic Î² Cells. Journal of Biological Chemistry, 1997, 272, 3216-3222.	3.4	131
36	Inhibition of glucose-induced insulin secretion by long-term preexposure of pancreatic islets to leptin. FEBS Letters, 1997, 415, 179-182.	2.8	44

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37	The loss of GLUT2 expression in the pancreatic Î²-cells of diabetic db/db mice is associated with an impaired DNA-binding activity of islet-specific trans-acting factors. Molecular and Cellular Endocrinology, 1997, 135, 59-65.	3.2	36
38	Insulin secretion is regulated by the glucose-dependent production of islet Î² cell macrophage migration inhibitoryâ€‰factor. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 4782-4787.	7.1	197
39	Regulated expression of GLUT2 in diabetes studied in transplanted pancreatic Î² cells. Biochemical Society Transactions, 1994, 22, 684-687.	3.4	2