

# Raphael Roduit

## List of Publications by Year in descending order

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39  
papers

3,264  
citations

257101

24  
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315357

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docs citations

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times ranked

3647  
citing authors

#	ARTICLE	IF	CITATIONS
1	Saturated Fatty Acids Synergize with Elevated Glucose to Cause Pancreatic $\beta$ -Cell Death. <i>Endocrinology</i> , 2003, 144, 4154-4163.	1.4	527
2	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. <i>Diabetologia</i> , 1999, 42, 856-864.	2.9	383
3	Malonyl-CoA Signaling, Lipid Partitioning, and Glucolipotoxicity: Role in $\beta$ -Cell Adaptation and Failure in the Etiology of Diabetes. <i>Diabetes</i> , 2002, 51, S405-S413.	0.3	380
4	Insulin secretion is regulated by the glucose-dependent production of islet $\beta$ cell macrophage migration inhibitory factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 4782-4787.	3.3	197
5	Intracellular Stress Signaling Pathways Activated During Human Islet Preparation and Following Acute Cytokine Exposure. <i>Diabetes</i> , 2004, 53, 2815-2823.	0.3	170
6	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. <i>Diabetes</i> , 2004, 53, 1007-1019.	0.3	164
7	Activation of Malonyl-CoA Decarboxylase in Rat Skeletal Muscle by Contraction and the AMP-activated Protein Kinase Activator 5-Aminoimidazole-4-carboxamide-1- $\beta$ -D-ribofuranoside. <i>Journal of Biological Chemistry</i> , 2000, 275, 24279-24283.	1.6	162
8	Glucose Down-regulates the Expression of the Peroxisome Proliferator-activated Receptor- $\alpha$ Gene in the Pancreatic $\beta$ -Cell. <i>Journal of Biological Chemistry</i> , 2000, 275, 35799-35806.	1.6	145
9	Dexamethasone Induces Posttranslational Degradation of GLUT2 and Inhibition of Insulin Secretion in Isolated Pancreatic $\beta$ Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 3216-3222.	1.6	131
10	A Role for Hormone-Sensitive Lipase in Glucose-Stimulated Insulin Secretion: A Study in Hormone-Sensitive Lipase-Deficient Mice. <i>Diabetes</i> , 2001, 50, 1970-1975.	0.3	113
11	MAP kinase pathways in UV-induced apoptosis of retinal pigment epithelium ARPE19 cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008, 13, 343-353.	2.2	101
12	Glucose and leptin induce apoptosis in human $\beta$ -cells and impair glucose-stimulated insulin secretion through activation of c-Jun N-terminal kinases. <i>FASEB Journal</i> , 2008, 22, 1905-1913.	0.2	94
13	Pancreatic Islet Adaptation to Fasting Is Dependent on Peroxisome Proliferator-Activated Receptor- $\alpha$ Transcriptional Up-Regulation of Fatty Acid Oxidation. <i>Endocrinology</i> , 2005, 146, 375-382.	1.4	89
14	Circadian regulation of islet genes involved in insulin production and secretion. <i>Molecular and Cellular Endocrinology</i> , 2004, 226, 59-66.	1.6	87
15	Mutations in NR2E3 can cause dominant or recessive retinal degenerations in the same family. <i>Human Mutation</i> , 2009, 30, 342-351.	1.1	60
16	Inhibition of glucose-induced insulin secretion by long-term preexposure of pancreatic islets to leptin. <i>FEBS Letters</i> , 1997, 415, 179-182.	1.3	44
17	A unique set of SH3-SH3 interactions controls IB1 homodimerization. <i>EMBO Journal</i> , 2006, 25, 785-797.	3.5	38
18	The loss of GLUT2 expression in the pancreatic $\beta$ -cells of diabetic db/db mice is associated with an impaired DNA-binding activity of islet-specific trans-acting factors. <i>Molecular and Cellular Endocrinology</i> , 1997, 135, 59-65.	1.6	36

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19	Cloning and expression of rat pancreatic $\beta$ -cell malonyl-CoA decarboxylase. <i>Biochemical Journal</i> , 1999, 340, 213-217.	1.7	33
20	Mutations in the DNA-Binding Domain of NR2E3 Affect In Vivo Dimerization and Interaction with CRX. <i>PLoS ONE</i> , 2009, 4, e7379.	1.1	32
21	Autophagy Defect Is Associated with Low Glucose-Induced Apoptosis in 661W Photoreceptor Cells. <i>PLoS ONE</i> , 2013, 8, e74162.	1.1	31
22	Lipoprotein Lipase and Leptin Are Accumulated in Different Secretory Compartments in Rat Adipocytes. <i>Journal of Biological Chemistry</i> , 2001, 276, 35990-35994.	1.6	28
23	Acute Hypoglycemia Induces Retinal Cell Death in Mouse. <i>PLoS ONE</i> , 2011, 6, e21586.	1.1	28
24	Homogeneous and Nonradioactive High-Throughput Screening Platform for the Characterization of Kinase Inhibitors in Cell Lysates. <i>Journal of Biomolecular Screening</i> , 2006, 11, 1015-1026.	2.6	27
25	DcR3/TR6 Effectively Prevents Islet Primary Nonfunction After Transplantation. <i>Diabetes</i> , 2003, 52, 2279-2286.	0.3	24
26	Malonyl-CoA decarboxylase is present in the cytosolic, mitochondrial and peroxisomal compartments of rat hepatocytes. <i>FEBS Letters</i> , 2005, 579, 6581-6586.	1.3	23
27	Glucose represses PPAR $\alpha$ gene expression via AMP-activated protein kinase but not via p38 mitogen-activated protein kinase in the pancreatic $\beta$ -cell. <i>Journal of Diabetes</i> , 2009, 1, 263-272.	0.8	20
28	Calcium- and Proteasome-dependent Degradation of the JNK Scaffold Protein Islet-brain 1. <i>Journal of Biological Chemistry</i> , 2003, 278, 48720-48726.	1.6	18
29	Complement Factor B Polymorphism and the Phenotype of Early Age-related Macular Degeneration. <i>Ophthalmic Genetics</i> , 2014, 35, 12-17.	0.5	17
30	Cloning and expression of rat pancreatic $\beta$ -cell malonyl-CoA decarboxylase. <i>Biochemical Journal</i> , 1999, 340, 213.	1.7	14
31	Molecular Biomarkers of Neovascular Age-Related Macular Degeneration With Incomplete Response to Anti-Vascular Endothelial Growth Factor Treatment. <i>Frontiers in Pharmacology</i> , 2020, 11, 594087.	1.6	12
32	Loss of Extracellular Signal-Regulated Kinase 1/2 in the Retinal Pigment Epithelium Leads to RPE65 Decrease and Retinal Degeneration. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	11
33	Biological Characterization of Gene Response to Insulin-Induced Hypoglycemia in Mouse Retina. <i>PLoS ONE</i> , 2016, 11, e0150266.	1.1	6
34	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. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 43.	1.7	5
35	GSH-Independent Induction of ER Stress during Hypoglycaemia in the Retinal Cells of Mice. <i>Journal of Clinical Medicine</i> , 2021, 10, 2529.	1.0	4
36	CNGB3 Missense Variant Causes Recessive Achromatopsia in Original Braunvieh Cattle. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12440.	1.8	4

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37	ERK1/2 pathway is activated in degenerated Rpe65-deficient mice. <i>Experimental Eye Research</i> , 2013, 116, 86-95.	1.2	3
38	Regulated expression of GLUT2 in diabetes studied in transplanted pancreatic $\beta^2$ cells. <i>Biochemical Society Transactions</i> , 1994, 22, 684-687.	1.6	2
39	Hypoglycemia and Retinal Cell Death. , 2014, , 627-636.		1