# Raghavendra G Mirmira

List of Publications by Year
in descending order



| 167 | 7,385 | 53794 45 | 74163 75 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 181 | 181 | 181 | 9171 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Impact of Proinflammatory Cytokines on Alternative Splicing Patterns in Human Islets. Diabetes, 2022, 71, 116-127. | 0.6 | 4 |
| 2 | GDF15: a potential therapeutic target for type 1 diabetes. Expert Opinion on Therapeutic Targets, 2022, 26, 57-67. | 3.4 | 12 |
| 3 | A Novel 2-Hit Zebrafish Model to Study Early Pathogenesis of Non-Alcoholic Fatty Liver Disease. Biomedicines, 2022, 10, 479. | 3.2 | 8 |
| 4 | A zebrafish tailfin injury assay protocol for quantifying immune cell migration and infiltration. STAR Protocols, 2022, 3, 101196. | 1.2 | 4 |
| 5 | Role of Polyamines and Hypusine in Î² Cells and Diabetes Pathogenesis. Metabolites, 2022, 12, 344. | 2.9 | 16 |
| 6 | Proinflammatory signaling in islet Î² cells propagates invasion of pathogenic immune cells in autoimmune diabetes. Cell Reports, 2022, 39, 111011. | 6.4 | 11 |
| 7 | Extracellular vesicles in Î² cell biology: Role of lipids in vesicle biogenesis, cargo, and intercellular signaling. Molecular Metabolism, 2022, 63, 101545. | 6.5 | 7 |
| 8 | The demise of islet allotransplantation in the United States: A call for an urgent regulatory update. American Journal of Transplantation, 2021, 21, 1365-1375. | 4.7 | 33 |
| 9 | Phenotypic sexual dimorphism in response to dietary fat manipulation in C57BL/6J mice. Journal of Diabetes and Its Complications, 2021, 35, 107795. | 2.3 | 71 |
| 10 | Cell-Free DNA Fragments as Biomarkers of Islet Î²-Cell Death in Obesity and Type 2 Diabetes. International Journal of Molecular Sciences, 2021, 22, 2151. | 4.1 | 12 |
| 11 | Creatine-mediated crosstalk between adipocytes and cancer cells regulates obesity-driven breast cancer. Cell Metabolism, 2021, 33, 499-512.e6. | 16.2 | 61 |
| 12 | Deoxyhypusine synthase, an essential enzyme for hypusine biosynthesis, is required for proper exocrine pancreas development. FASEB Journal, 2021, 35, e21473. | 0.5 | 13 |
| 13 | Regulation of Tissue Inflammation by 12-Lipoxygenases. Biomolecules, 2021, 11, 717. | 4.0 | 43 |
| 14 | Reduced synchroneity of intra-islet Ca2+ oscillations in vivo in Robo-deficient Î² cells. ELife, 2021, 10, . | 6.0 | 18 |
| 15 | 12-Lipoxygenase governs the innate immune pathogenesis of islet inflammation and autoimmune diabetes. JCI Insight, 2021, 6, . | 5.0 | 14 |
| 16 | SARS-CoV-2 infection of islet Î² cells: Evidence and implications. Cell Reports Medicine, 2021, 2, 100380. | 6.5 | 3 |
| 17 | Imatinib therapy for patients with recent-onset type 1 diabetes: a multicentre, randomised, double-blind, placebo-controlled, phase 2 trial. Lancet Diabetes and Endocrinology,the, 2021, 9, 502-514. | 11.4 | 53 |
| 18 | Deoxyhypusine synthase promotes a pro-inflammatory macrophage phenotype. Cell Metabolism, 2021, 33, 1883-1893.e7. | 16.2 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Î²-Cell pre-mir-21 induces dysfunction and loss of cellular identity by targeting transforming growth factor beta 2 (Tgfb2) and Smad family member 2 (Smad2) mRNAs. Molecular Metabolism, 2021, 53, 101289. | 6.5 | 11 |
| 20 | Neuron-specific ablation of eIF5A or deoxyhypusine synthase leads to impairments in growth, viability, neurodevelopment, and cognitive functions in mice. Journal of Biological Chemistry, 2021, 297, 101333. | 3.4 | 16 |
| 21 | Environmental Pollution, Climate Change, and a Critical Role for the Endocrinologist. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 3381-3384. | 3.6 | 1 |
| 22 | Comprehensive Proteomics Analysis of Stressed Human Islets Identifies GDF15 as a Target for Type 1 Diabetes Intervention. Cell Metabolism, 2020, 31, 363-374.e6. | 16.2 | 78 |
| 23 | Circulating Unmethylated Insulin DNA As a Biomarker of Human Beta Cell Death: A Multi-laboratory Assay Comparison. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 781-791. | 3.6 | 17 |
| 24 | A 12â€lipoxygenaseâ€Gpr31 signaling axis is required for pancreatic organogenesis in the zebrafish. FASEB Journal, 2020, 34, 14850-14862. | 0.5 | 12 |
| 25 | Circulating unmethylated CHTOP and INS DNA fragments provide evidence of possible islet cell death in youth with obesity and diabetes. Clinical Epigenetics, 2020, 12, 116. | 4.1 | 17 |
| 26 | A Novel Cre-Enabled Tetracycline Inducible transgenic system for tissue specific cytokine expression in the zebrafish: CETI-PIC3. DMM Disease Models and Mechanisms, 2020, 13, . | 2.4 | 12 |
| 27 | Single-Cell Transcriptional Profiling of Mouse Islets Following Short-Term Obesogenic Dietary Intervention. Metabolites, 2020, 10, 513. | 2.9 | 14 |
| 28 | Hypusination Orchestrates the Antimicrobial Response of Macrophages. Cell Reports, 2020, 33, 108510. | 6.4 | 23 |
| 29 | Preclinical evaluation of tyrosine kinase 2 inhibitors for human betaâ€cell protection in type 1 diabetes. Diabetes, Obesity and Metabolism, 2020, 22, 1827-1836. | 4.4 | 25 |
| 30 | Oligomeric collagen as an encapsulation material for islet/Î²-cell replacement: effect of islet source, dose, implant site, and administration format. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E388-E400. | 3.5 | 6 |
| 31 | PIE-FLIM Measurements of Two Different FRET-Based Biosensor Activities in the Same Living Cells. Biophysical Journal, 2020, 118, 1820-1829. | 0.5 | 8 |
| 32 | Nanomedicine-Based Strategies for Diabetes: Diagnostics, Monitoring, and Treatment. Trends in Endocrinology and Metabolism, 2020, 31, 448-458. | 7.1 | 36 |
| 33 | Hypusinated eIF5A is expressed in the pancreas and spleen of individuals with type 1 and type 2 diabetes. PLoS ONE, 2020, 15, e0230627. | 2.5 | 11 |
| 34 | The role of beta-cell dysfunction in early type 1 diabetes. Current Opinion in Endocrinology, Diabetes and Obesity, 2020, 27, 215-224. | 2.3 | 39 |
| 35 | Our Response to COVID-19 as Endocrinologists and Diabetologists. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 1299-1301. | 3.6 | 89 |
| 36 | Nuclear Translocation of Glutaminase GLS2 in Human Cancer Cells Associates with Proliferation Arrest and Differentiation. Scientific Reports, 2020, 10, 2259. | 3.3 | 26 |

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| 37 | Probing islet stress in type 1 diabetes. Aging, 2020, 12, 18795-18796. | 3.1 | 0 |
| 38 | Probing islet stress in type 1 diabetes. Aging, 2020, 12, 18795-18796. | 3.1 | 0 |
| 39 | 1,25-Dihydroxyvitamin D3 enhances glucose-stimulated insulin secretion in mouse and human islets: a role for transcriptional regulation of voltage-gated calcium channels by the vitamin D receptor. Journal of Steroid Biochemistry and Molecular Biology, 2019, 185, 17-26. | 2.5 | 37 |
| 40 | Persistent elevations in circulating INS DNA among subjects with longstanding type 1 diabetes. Diabetes, Obesity and Metabolism, 2019, 21, 95-102. | 4.4 | 9 |
| 41 | Abnormalities in proinsulin processing in islets from individuals with longstanding T1D. Translational Research, 2019, 213, 90-99. | 5.0 | 38 |
| 42 | A Versatile, Portable Intravital Microscopy Platform for Studying Beta-cell Biology In Vivo. Scientific Reports, 2019, 9, 8449. | 3.3 | 32 |
| 43 | The role of proteomics in assessing beta-cell dysfunction and death in type 1 diabetes. Expert Review of Proteomics, 2019, 16, 569-582. | 3.0 | 8 |
| 44 | Response to Comment on Sims et al. Proinsulin Secretion Is a Persistent Feature of Type 1 Diabetes. Diabetes Care 2019;42:258â€“264. Diabetes Care, 2019, 42, e85-e86. | 8.6 | 5 |
| 45 | Platelet-type 12-lipoxygenase deletion provokes a compensatory 12/15-lipoxygenase increase that exacerbates oxidative stress in mouse islet Î² cells. Journal of Biological Chemistry, 2019, 294, 6612-6620. | 3.4 | 21 |
| 46 | eIF5A inhibition influences T cell dynamics in the pancreatic microenvironment of the humanized mouse model of Type 1 Diabetes. Scientific Reports, 2019, 9, 1533. | 3.3 | 15 |
| 47 | Profiling of RNAs from Human Islet-Derived Exosomes in a Model of Type 1 Diabetes. International Journal of Molecular Sciences, 2019, 20, 5903. | 4.1 | 48 |
| 48 | Hypusine biosynthesis in Î² cells links polyamine metabolism to facultative cellular proliferation to maintain glucose homeostasis. Science Signaling, 2019, 12, . | 3.6 | 37 |
| 49 | Recessive Rare Variants in Deoxyhypusine Synthase, an Enzyme Involved in the Synthesis of Hypusine, Are Associated with a Neurodevelopmental Disorder. American Journal of Human Genetics, 2019, 104, 287-298. | 6.2 | 38 |
| 50 | Combined Analysis of GAD65, miR-375, and Unmethylated Insulin DNA Following Islet Transplantation in Patients With T1D. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 451-460. | 3.6 | 15 |
| 51 | Analysis of serum Hsp90 as a potential biomarker of Î² cell autoimmunity in type 1 diabetes. PLoS ONE, 2019, 14, e0208456. | 2.5 | 15 |
| 52 | Proinsulin Secretion Is a Persistent Feature of Type 1 Diabetes. Diabetes Care, 2019, 42, 258-264. | 8.6 | 82 |
| 53 | Comparative analysis of diagnostic platforms for measurement of differentially methylated insulin DNA. Journal of Biological Methods, 2019, 6, e113. | 0.6 | 4 |
| 54 | Distinct gene expression pathways in islets from individuals with shortâ€•and longâ€duration type 1 diabetes. Diabetes, Obesity and Metabolism, 2018, 20, 1859-1867. | 4.4 | 31 |

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|---|---|---|---|
| 55 | IFN-Î± induces a preferential long-lasting expression of MHC class I in human pancreatic beta cells. Diabetologia, 2018, 61, 636-640. | 6.3 | 50 |
| 56 | Hypoglycemia in a Patient With a Polyhormonal Pancreatic Neuroendocrine Tumor With Evidence of Endocrine Progenitors. Journal of the Endocrine Society, 2018, 2, 172-177. | 0.2 | 0 |
| 57 | Restructuring of the Gut Microbiome by Intermittent Fasting Prevents Retinopathy and Prolongs Survival in db/db Mice. Diabetes, 2018, 67, 1867-1879. | 0.6 | 243 |
| 58 | A system for detecting high impact-low frequency mutations in primary tumors and metastases. Oncogene, 2018, 37, 185-196. | 5.9 | 21 |
| 59 | Elevated unmethylated and methylated insulin DNA are unique markers of A + Î² + ketosis prone diabetes. Journal of Diabetes and Its Complications, 2018, 32, 193-195. | 2.3 | 9 |
| 60 | Cellular metabolism constrains innate immune responses in early human ontogeny. Nature Communications, 2018, 9, 4822. | 12.8 | 35 |
| 61 | Immune reconstitution in ART treated, but not untreated HIV infection, is associated with abnormal beta cell function. PLoS ONE, 2018, 13, e0197080. | 2.5 | 10 |
| 62 | Interleukin-6 Reduces Î²-Cell Oxidative Stress by Linking Autophagy With the Antioxidant Response. Diabetes, 2018, 67, 1576-1588. | 0.6 | 77 |
| 63 | AnIn VivoZebrafish Model for Interrogating ROS-Mediated PancreaticÎ²-Cell Injury, Response, and Prevention. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-8. | 4.0 | 24 |
| 64 | In situ type I oligomeric collagen macroencapsulation promotes islet longevity and function in vitro and in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E650-E661. | 3.5 | 30 |
| 65 | Episodic Î²â€cell death and dedifferentiation during dietâ€induced obesity and dysglycemia in male mice. FASEB Journal, 2018, 32, 6150-6158. | 0.5 | 26 |
| 66 | Biomarkers of islet beta cell stress and death in type 1 diabetes. Diabetologia, 2018, 61, 2259-2265. | 6.3 | 31 |
| 67 | Chronic high fat feeding restricts islet mRNA translation initiation independently of ER stress via DNA damage and p53 activation. Scientific Reports, 2017, 7, 3758. | 3.3 | 15 |
| 68 | 12-Lipoxygenase Inhibitor Improves Functions of Cytokine-Treated Human Islets and Type 2 Diabetic Islets. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 2789-2797. | 3.6 | 21 |
| 69 | Inhibition of 12/15-Lipoxygenase Protects Against Î²-Cell Oxidative Stress and Glycemic Deterioration in Mouse Models of Type 1 Diabetes. Diabetes, 2017, 66, 2875-2887. | 0.6 | 34 |
| 70 | Molecular mechanisms of nonalcoholic fatty liver disease: Potential role for 12-lipoxygenase. Journal of Diabetes and Its Complications, 2017, 31, 1630-1637. | 2.3 | 30 |
| 71 | Loss of mTORC1 signalling impairs Î²-cell homeostasis and insulin processing. Nature Communications, 2017, 8, 16014. | 12.8 | 125 |
| 72 | Comparative quantitative proteomic analysis of disease stratified laser captured microdissected human islets identifies proteins and pathways potentially related to type 1 diabetes. PLoS ONE, 2017, 12, e0183908. | 2.5 | 25 |

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|---|---|---|---|
| 73 | Elevations in the Fasting Serum Proinsulinâ€“toâ€“C-Peptide Ratio Precede the Onset of Type 1 Diabetes. Diabetes Care, 2016, 39, 1519-1526. | 8.6 | 106 |
| 74 | Loss of Free Fatty Acid Receptor 2 leads to impaired islet mass and beta cell survival. Scientific Reports, 2016, 6, 28159. | 3.3 | 33 |
| 75 | Peroxisome Proliferator-activated Receptor-Î³ Activation Augments the Î²-Cell Unfolded Protein Response and Rescues Early Glycemic Deterioration and Î² Cell Death in Non-obese Diabetic Mice. Journal of Biological Chemistry, 2016, 291, 22524-22533. | 3.4 | 18 |
| 76 | Biomarkers of Î²-Cell Stress and Death in Type 1 Diabetes. Current Diabetes Reports, 2016, 16, 95. | 4.2 | 35 |
| 77 | IRS1 deficiency protects Î²-cells against ER stress-induced apoptosis by modulating sXBP-1 stability and protein translation. Scientific Reports, 2016, 6, 28177. | 3.3 | 16 |
| 78 | Measurement of Differentially Methylated <em>INS</em> DNA Species in Human Serum Samples as a Biomarker of Islet β Cell Death. Journal of Visualized Experiments, 2016, , . | 0.3 | 11 |
| 79 | Proinsulin and heat shock protein 90 as biomarkers of beta-cell stress in the early period after onset of type 1 diabetes. Translational Research, 2016, 168, 96-106.e1. | 5.0 | 56 |
| 80 | Sirtuin 6 regulates glucose-stimulated insulin secretion in mouse pancreatic beta cells. Diabetologia, 2016, 59, 151-160. | 6.3 | 56 |
| 81 | Editorial: Lessons From the Classic Scientific Literature. Molecular Endocrinology, 2015, 29, 1385-1387. | 3.7 | 0 |
| 82 | Polyamine biosynthesis is critical for growth and differentiation of the pancreas. Scientific Reports, 2015, 5, 13269. | 3.3 | 26 |
| 83 | Progress and change. Journal of Diabetes and Its Complications, 2015, 29, 1. | 2.3 | 1 |
| 84 | An Acetate-Specific GPCR, FFAR2, Regulates Insulin Secretion. Molecular Endocrinology, 2015, 29, 1055-1066. | 3.7 | 139 |
| 85 | Elevations in Circulating Methylated and Unmethylated Preproinsulin DNA in New-Onset Type 1 Diabetes. Diabetes, 2015, 64, 3867-3872. | 0.6 | 80 |
| 86 | SET7/9 Enzyme Regulates Cytokine-induced Expression of Inducible Nitric-oxide Synthase through Methylation of Lysine 4 at Histone 3 in the Islet Î² Cell. Journal of Biological Chemistry, 2015, 290, 16607-16618. | 3.4 | 21 |
| 87 | Minireview: 12-Lipoxygenase and Islet Î²-Cell Dysfunction in Diabetes. Molecular Endocrinology, 2015, 29, 791-800. | 3.7 | 47 |
| 88 | Transcriptional Activity of the Islet Î² Cell Factor Pdx1 Is Augmented by Lysine Methylation Catalyzed by the Methyltransferase Set7/9. Journal of Biological Chemistry, 2015, 290, 9812-9822. | 3.4 | 37 |
| 89 | Leukotriene B <sub>4</sub> â€“mediated sterile inflammation promotes susceptibility to sepsis in a mouse model of type 1 diabetes. Science Signaling, 2015, 8, ra10. | 3.6 | 55 |
| 90 | Visible light-initiated interfacial thiol-norbornene photopolymerization for forming an islet surface conformal coating. Journal of Materials Chemistry B, 2015, 3, 170-175. | 5.8 | 24 |

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|---|---|---|---|
| 91 | Maintenance of Pdx1 mRNA Translation in Islet Î²-Cells During the Unfolded Protein Response. Molecular Endocrinology, 2014, 28, 1820-1830. | 3.7 | 13 |
| 92 | From immunobiology to Î²-cell biology: The changing perspective on type 1 diabetes. Islets, 2014, 6, e28778. | 1.8 | 23 |
| 93 | Eukaryotic translation initiation factor 5A inhibition alters physiopathology and immune responses in a â€œhumanizedâ€•transgenic mouse model of type 1 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E791-E798. | 3.5 | 9 |
| 94 | Editorial: The Vulnerable Physician-Scientist. Molecular Endocrinology, 2014, 28, 603-606. | 3.7 | 7 |
| 95 | Editorial: In Praise of Scientific Review Officers. Molecular Endocrinology, 2014, 28, 987-988. | 3.7 | 0 |
| 96 | Protective effects of polyamine depletion in mouse models of type 1 diabetes: implications for therapy. Amino Acids, 2014, 46, 633-642. | 2.7 | 32 |
| 97 | 12-Lipoxygenase Promotes Obesity-Induced Oxidative Stress in Pancreatic Islets. Molecular and Cellular Biology, 2014, 34, 3735-3745. | 2.3 | 60 |
| 98 | Insulin regulates carboxypeptidase E by modulating translation initiation scaffolding protein eIF4G1 in pancreatic Î² cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2319-28. | 7.1 | 42 |
| 99 | Syntaxin 4 Up-Regulation Increases Efficiency of Insulin Release in Pancreatic Islets From Humans With and Without Type 2 Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E866-E870. | 3.6 | 32 |
| 100 | Palmitate Induces mRNA Translation and Increases ER Protein Load in Islet Î²-Cells via Activation of the Mammalian Target of Rapamycin Pathway. Diabetes, 2014, 63, 3404-3415. | 0.6 | 48 |
| 101 | Detection of Islet Î²-Cell Death in Vivo by Multiplex PCR Analysis of Differentially Methylated DNA. Endocrinology, 2013, 154, 3476-3481. | 2.8 | 42 |
| 102 | Characterization of a novel polyclonal anti-hypusine antibody. SpringerPlus, 2013, 2, 421. | 1.2 | 28 |
| 103 | Effects of combination therapy with dipeptidyl peptidase-IV and histone deacetylase inhibitors in the non-obese diabetic mouse model of type 1 diabetes. Clinical and Experimental Immunology, 2013, 172, 375-382. | 2.6 | 37 |
| 104 | Translational Control of Inducible Nitric Oxide Synthase by p38 MAPK in Islet Î²-Cells. Molecular Endocrinology, 2013, 27, 336-349. | 3.7 | 25 |
| 105 | Divergent compensatory responses to high-fat diet between C57BL6/J and C57BLKS/J inbred mouse strains. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E1495-E1511. | 3.5 | 44 |
| 106 | Mitogen-Inducible Gene 6 Triggers Apoptosis and Exacerbates ER Stress-Induced Î²-Cell Death. Molecular Endocrinology, 2013, 27, 162-171. | 3.7 | 25 |
| 107 | Achieving "PeaK-A" Insulin Secretion. Diabetes, 2013, 62, 1389-1390. | 0.6 | 1 |
| 108 | Deoxyhypusine Synthase Promotes Differentiation and Proliferation of T Helper Type 1 (Th1) Cells in Autoimmune Diabetes. Journal of Biological Chemistry, 2013, 288, 36226-36235. | 3.4 | 30 |

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|---|---|---|---|
| 109 | Lost in translation: endoplasmic reticulum stress and the decline of Î²â€cell health in diabetes mellitus. Diabetes, Obesity and Metabolism, 2013, 15, 159-169. | 4.4 | 49 |
| 110 | Mouse and human islets survive and function after coating by biosilicification. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E1230-E1240. | 3.5 | 11 |
| 111 | Deletion of 12/15-Lipoxygenase Alters Macrophage and Islet Function in NOD-Alox15null Mice, Leading to Protection against Type 1 Diabetes Development. PLoS ONE, 2013, 8, e56763. | 2.5 | 40 |
| 112 | Insights into Mentorship for Endocrinologists. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 3891-3896. | 3.6 | 7 |
| 113 | Islet Î²-Cell Endoplasmic Reticulum Stress Precedes the Onset of Type 1 Diabetes in the Nonobese Diabetic Mouse Model. Diabetes, 2012, 61, 818-827. | 0.6 | 299 |
| 114 | Targeting Regulatory T Cells in the Treatment of Type 1 Diabetes Mellitus. Current Molecular Medicine, 2012, 12, 1261-1272. | 1.3 | 47 |
| 115 | Mouse Islet of Langerhans Isolation using a Combination of Purified Collagenase and Neutral Protease. Journal of Visualized Experiments, 2012, , . | 0.3 | 76 |
| 116 | Saturated free fatty acids: islet Î² cell â€œstressERsâ€• Endocrine, 2012, 42, 1-2. | 2.3 | 11 |
| 117 | Amelioration of type 1 diabetes following treatment of non-obese diabetic mice with INGAP and lisofylline. Journal of Diabetes Mellitus, 2012, 02, 251-257. | 0.3 | 12 |
| 118 | Effect of Different Obesogenic Diets on Pancreatic Histology in Ossabaw Miniature Swine. Pancreas, 2011, 40, 438-443. | 1.1 | 19 |
| 119 | Oscillatory glucose flux in INS 1 pancreatic Î² cells: A self-referencing microbiosensor study. Analytical Biochemistry, 2011, 411, 185-193. | 2.4 | 29 |
| 120 | Â40 Isoform of p53 Controls Â-Cell Proliferation and Glucose Homeostasis in Mice. Diabetes, 2011, 60, 1210-1222. | 0.6 | 52 |
| 121 | Deoxyhypusine synthase haploinsufficiency attenuates acute cytokine signaling. Cell Cycle, 2011, 10, 1043-1049. | 2.6 | 22 |
| 122 | Magnetic Resonance Imaging of Pancreatic Î²-Cells. , 2011, , 121-146. | | 1 |
| 123 | Stem cells and the future of organ transplantation. Current Opinion in Organ Transplantation, 2010, 15, 52-53. | 1.6 | 1 |
| 124 | Inducible pluripotent stem cells: not quite ready for prime time?. Current Opinion in Organ Transplantation, 2010, 15, 61-67. | 1.6 | 33 |
| 125 | Islet Î²-Cell-Specific MafA Transcription Requires the 5â€²-Flanking Conserved Region 3 Control Domain. Molecular and Cellular Biology, 2010, 30, 4234-4244. | 2.3 | 42 |
| 126 | Liver X Receptor Agonists Augment Human Islet Function through Activation of Anaplerotic Pathways and Glycerolipid/Free Fatty Acid Cycling. Journal of Biological Chemistry, 2010, 285, 5392-5404. | 3.4 | 38 |

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|---|---|---|---|
| 127 | Inhibition of Deoxyhypusine Synthase Enhances Islet Î² Cell Function and Survival in the Setting of Endoplasmic Reticulum Stress and Type 2 Diabetes. Journal of Biological Chemistry, 2010, 285, 39943-39952. | 3.4 | 37 |
| 128 | The Roles of ATF3, an Adaptive-Response Gene, in High-Fat-Diet-Induced Diabetes and Pancreatic Î²-Cell Dysfunction. Molecular Endocrinology, 2010, 24, 1423-1433. | 3.7 | 77 |
| 129 | AGI-1067, a novel antioxidant and anti-inflammatory agent, enhances insulin release and protects mouse islets. Molecular and Cellular Endocrinology, 2010, 323, 246-255. | 3.2 | 14 |
| 130 | An islet in distress: Î² cell failure in type 2 diabetes. Journal of Diabetes Investigation, 2010, 1, 123-133. | 2.4 | 29 |
| 131 | The unique hypusine modification of eIF5A promotes islet Î² cell inflammation and dysfunction in mice. Journal of Clinical Investigation, 2010, 120, 2156-2170. | 8.2 | 144 |
| 132 | An intracellular role for ABCG1-mediated cholesterol transport in the regulated secretory pathway of mouse pancreatic Î² cells. Journal of Clinical Investigation, 2010, 120, 2575-2589. | 8.2 | 129 |
| 133 | Hypusine: a new target for therapeutic intervention in diabetic inflammation. Discovery Medicine, 2010, 10, 18-23. | 0.5 | 23 |
| 134 | Pdx1 ( MODY4 ) regulates pancreatic beta cell susceptibility to ER stress. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19090-19095. | 7.1 | 190 |
| 135 | Methyltransferase Set7/9 Maintains Transcription and Euchromatin Structure at Islet-Enriched Genes. Diabetes, 2009, 58, 185-193. | 0.6 | 105 |
| 136 | Expression and function of Set7/9 in pancreatic islets. Islets, 2009, 1, 269-272. | 1.8 | 17 |
| 137 | Noninvasive assessment of pancreatic Î²-cell function in vivo with manganese-enhanced magnetic resonance imaging. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E573-E578. | 3.5 | 71 |
| 138 | Peroxisome Proliferator-Activated Receptor Î³ Activation Restores Islet Function in Diabetic Mice through Reduction of Endoplasmic Reticulum Stress and Maintenance of Euchromatin Structure. Molecular and Cellular Biology, 2009, 29, 2053-2067. | 2.3 | 134 |
| 139 | Regenerative medicine and tissue engineering: contribution of stem cells in organ transplantation. Current Opinion in Organ Transplantation, 2009, 14, 46-50. | 1.6 | 12 |
| 140 | Development of insulin-producing cells from primitive biologic precursors. Current Opinion in Organ Transplantation, 2009, 14, 56-63. | 1.6 | 17 |
| 141 | Stimulation of Human and Rat Islet Î²-Cell Proliferation with Retention of Function by the Homeodomain Transcription Factor Nkx6.1. Molecular and Cellular Biology, 2008, 28, 3465-3476. | 2.3 | 93 |
| 142 | Pdx1 and BETA2/NeuroD1 Participate in a Transcriptional Complex That Mediates Short-range DNA Looping at the Insulin Gene. Journal of Biological Chemistry, 2008, 283, 8164-8172. | 3.4 | 38 |
| 143 | Cyclical and Alternating Infusions of Glucose and Intralipid in Rats Inhibit Insulin Gene Expression and Pdx-1 Binding in Islets. Diabetes, 2008, 57, 424-431. | 0.6 | 71 |
| 144 | Trefoil Factor 3 Stimulates Human and Rodent Pancreatic Islet Î²-Cell Replication with Retention of Function. Molecular Endocrinology, 2008, 22, 1251-1259. | 3.7 | 37 |

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| 145 | Research Resource: Nuclear Hormone Receptor Expression in the Endocrine Pancreas. Molecular Endocrinology, 2008, 22, 2353-2363. | 3.7 | 56 |
| 146 | Glucose Regulation of Insulin Gene Transcription and Pre-mRNA Processing in Human Islets. Diabetes, 2007, 56, 827-835. | 0.6 | 77 |
| 147 | A feat of metabolic proportions: Pdx1 orchestrates islet development and function in the maintenance of glucose homeostasis. Molecular Genetics and Metabolism, 2007, 92, 43-55. | 1.1 | 90 |
| 148 | Role of Chromatin Accessibility in the Occupancy and Transcription of the Insulin Gene by the Pancreatic and Duodenal Homeobox Factor 1. Molecular Endocrinology, 2006, 20, 3133-3145. | 3.7 | 18 |
| 149 | Pdx-1 Links Histone H3-Lys-4 Methylation to RNA Polymerase II Elongation during Activation of Insulin Transcription. Journal of Biological Chemistry, 2005, 280, 36244-36253. | 3.4 | 83 |
| 150 | The Nkx6.1 homeodomain transcription factor suppresses glucagon expression and regulates glucose-stimulated insulin secretion in islet beta cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7297-7302. | 7.1 | 142 |
| 151 | Mechanism of insulin Gene Regulation by the Pancreatic Transcription Factor Pdx-1. Journal of Biological Chemistry, 2005, 280, 16798-16807. | 3.4 | 98 |
| 152 | The C-Terminal Domain of the Î² Cell Homeodomain Factor Nkx6.1 Enhances Sequence-Selective DNA Binding at theinsulinPromoterâ€. Biochemistry, 2005, 44, 11269-11278. | 2.5 | 14 |
| 153 | The Transcriptional Repressor Nkx6.1 Also Functions as a Deoxyribonucleic Acid Context-Dependent Transcriptional Activator during Pancreatic Î²-Cell Differentiation: Evidence for Feedback Activation of thenkx6.1Gene by Nkx6.1. Molecular Endocrinology, 2004, 18, 1363-1375. | 3.7 | 52 |
| 154 | Proendocrine genes coordinate the pancreatic islet differentiation program in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13245-13250. | 7.1 | 135 |
| 155 | Transcription factors direct the development and function of pancreatic Î² cells. Trends in Endocrinology and Metabolism, 2003, 14, 78-84. | 7.1 | 112 |
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