# Norihide Yokoi

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 64 papers | 5,271 citations | 159585 30 h-index | 123424 61 g-index |
| 64 all docs | 64 docs citations | 64 times ranked | 5651 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | PKA-Dependent and PKA-Independent Pathways for cAMP-Regulated Exocytosis. Physiological Reviews, 2005, 85, 1303-1342. | 28.8 | 499 |
| 2 | ATP-sensitive K+ channels in the hypothalamus are essential for the maintenance of glucose homeostasis. Nature Neuroscience, 2001, 4, 507-512. | 14.8 | 470 |
| 3 | ATP-SENSITIVE POTASSIUM CHANNELS: A Model of Heteromultimeric Potassium Channel/Receptor Assemblies. Annual Review of Physiology, 1999, 61, 337-362. | 13.1 | 458 |
| 4 | Physiological and pathophysiological roles of ATP-sensitive K+ channels. Progress in Biophysics and Molecular Biology, 2003, 81, 133-176. | 2.9 | 451 |
| 5 | Protective Role of ATP-Sensitive Potassium Channels in Hypoxia-Induced Generalized Seizure. Science, 2001, 292, 1543-1546. | 12.6 | 318 |
| 6 | Critical Role of cAMP-GEFIIÂ·Rim2 Complex in Incretin-potentiated Insulin Secretion. Journal of Biological Chemistry, 2001, 276, 46046-46053. | 3.4 | 313 |
| 7 | Dynamics of insulin secretion and the clinical implications for obesity and diabetes. Journal of Clinical Investigation, 2011, 121, 2118-2125. | 8.2 | 290 |
| 8 | Regulation of Ca2+ channel expression at the cell surface by the small G-protein kir/Gem. Nature, 2001, 411, 701-706. | 27.8 | 269 |
| 9 | The cAMP Sensor Epac2 Is a Direct Target of Antidiabetic Sulfonylurea Drugs. Science, 2009, 325, 607-610. | 12.6 | 198 |
| 10 | Expression and role of ionotropic glutamate receptors in pancreatic islet cells. FASEB Journal, 1995, 9, 686-691. | 0.5 | 182 |
| 11 | Cblb is a major susceptibility gene for rat type 1 diabetes mellitus. Nature Genetics, 2002, 31, 391-394. | 21.4 | 171 |
| 12 | Glutamate Acts as a Key Signal Linking Glucose Metabolism to Incretin/cAMP Action to Amplify Insulin Secretion. Cell Reports, 2014, 9, 661-673. | 6.4 | 128 |
| 13 | Insulin secretion and differential gene expression in glucose-responsive and -unresponsive MIN6 sublines. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E773-E781. | 3.5 | 116 |
| 14 | Distinct Effects of Glucose-Dependent Insulinotropic Polypeptide and Glucagon-Like Peptide-1 on Insulin Secretion and Gut Motility. Diabetes, 2005, 54, 1056-1063. | 0.6 | 103 |
| 15 | Rim2Î± Determines Docking and Priming States in Insulin Granule Exocytosis. Cell Metabolism, 2010, 12, 117-129. | 16.2 | 97 |
| 16 | Accumulation of N-Acetyl-L-Aspartate in the Brain of the Tremor Rat, a Mutant Exhibiting Absence-Like Seizure and Spongiform Degeneration in the Central Nervous System. Journal of Neurochemistry, 2002, 74, 2512-2519. | 3.9 | 95 |
| 17 | Genetic analysis for diabetes in a new rat model of nonobese type 2 diabetes, Spontaneously Diabetic Torii rat. Biochemical and Biophysical Research Communications, 2003, 304, 196-206. | 2.1 | 70 |
| 18 | A Comparative Genetic Map of Rat, Mouse and Human Genomes.. Experimental Animals, 1998, 47, 1-9. | 1.1 | 69 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A Novel Rat Model of Type 2 Diabetes: The Zucker Fatty Diabetes Mellitus ZFDM Rat. Journal of Diabetes Research, 2013, 2013, 1-9. | 2.3 | 68 |
| 20 | Liraglutide Improves Pancreatic Beta Cell Mass and Function in Alloxan-Induced Diabetic Mice. PLoS ONE, 2015, 10, e0126003. | 2.5 | 55 |
| 21 | Role of Epac2A/Rap1 Signaling in Interplay Between Incretin and Sulfonylurea in Insulin Secretion. Diabetes, 2015, 64, 1262-1272. | 0.6 | 52 |
| 22 | Essential Role of Ubiquitin-Proteasome System in Normal Regulation of Insulin Secretion. Journal of Biological Chemistry, 2006, 281, 13015-13020. | 3.4 | 51 |
| 23 | Correlation between genetic and cytogenetic maps of the rat. Mammalian Genome, 1998, 9, 287-293. | 2.2 | 49 |
| 24 | Cephalic phase insulin secretion is KATP channel independent. Journal of Endocrinology, 2013, 218, 25-33. | 2.6 | 48 |
| 25 | Gs/Gq signaling switch in Î² cells defines incretin effectiveness in diabetes. Journal of Clinical Investigation, 2020, 130, 6639-6655. | 8.2 | 46 |
| 26 | Actin Dynamics Regulated by the Balance of Neuronal Wiskott-Aldrich Syndrome Protein (N-WASP) and Cofilin Activities Determines the Biphasic Response of Glucose-induced Insulin Secretion. Journal of Biological Chemistry, 2013, 288, 25851-25864. | 3.4 | 41 |
| 27 | Establishment of new clonal pancreatic Î²â€cell lines (MIN6â€K) useful for study of incretin/cyclic adenosine monophosphate signaling. Journal of Diabetes Investigation, 2010, 1, 137-142. | 2.4 | 36 |
| 28 | KATP channel as well as SGLT1 participates in GIP secretion in the diabetic state. Journal of Endocrinology, 2014, 222, 191-200. | 2.6 | 35 |
| 29 | Genetic Reconstitution of Autoimmune Type 1 Diabetes With Two Major Susceptibility Genes in the Rat. Diabetes, 2007, 56, 506-512. | 0.6 | 32 |
| 30 | Distinct action of the Î±-glucosidase inhibitor miglitol on SGLT3, enteroendocrine cells, and GLP1 secretion. Journal of Endocrinology, 2015, 224, 205-214. | 2.6 | 32 |
| 31 | Physiology and pathophysiology of KATP channels in the pancreas and cardiovascular system. Journal of Diabetes and Its Complications, 2003, 17, 2-5. | 2.3 | 30 |
| 32 | Identification of putative biomarkers for prediabetes by metabolome analysis of rat models of type 2 diabetes. Metabolomics, 2015, 11, 1277-1286. | 3.0 | 28 |
| 33 | Cloning of a Mouse Rabphilin-3A Expressed in Hormone-Secreting Cells1. Journal of Biochemistry, 1994, 116, 239-242. | 1.7 | 26 |
| 34 | Establishment and Characterization of the Komeda Diabetes-prone Rat as a Segregating Inbred Strain.. Experimental Animals, 2003, 52, 295-301. | 1.1 | 23 |
| 35 | Identification and functional analysis of CBLB mutations in type 1 diabetes. Biochemical and Biophysical Research Communications, 2008, 368, 37-42. | 2.1 | 23 |
| 36 | Glutamate as intracellular and extracellular signals in pancreatic islet functions. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2019, 95, 246-260. | 3.8 | 22 |

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|---|---|---|---|
| 37 | Normalization of Intracellular Ca2+ Induces a Glucose-responsive State in Glucose-unresponsive Î²-Cells. Journal of Biological Chemistry, 2002, 277, 25277-25282. | 3.4 | 21 |
| 38 | Sulfonylurea action reâ€revisited. Journal of Diabetes Investigation, 2010, 1, 37-39. | 2.4 | 21 |
| 39 | Glutamate is an essential mediator in glutamineâ€amplified insulin secretion. Journal of Diabetes Investigation, 2021, 12, 920-930. | 2.4 | 20 |
| 40 | Fructose induces glucoseâ€dependent insulinotropic polypeptide, glucagonâ€like peptideâ€1 and insulin secretion: Role of adenosine triphosphateâ€sensitive K + channels. Journal of Diabetes Investigation, 2015, 6, 522-526. | 2.4 | 19 |
| 41 | ATP-sensitive K+ channel-mediated glucose uptake is independent of IRS-1/phosphatidylinositol 3-kinase signaling. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E1289-E1296. | 3.5 | 18 |
| 42 | Identification of a major locus for islet inflammation and fibrosis in the spontaneously diabetic Torii rat. Physiological Genomics, 2008, 35, 96-105. | 2.3 | 18 |
| 43 | Increased glycolysis affects Î²-cell function and identity in aging and diabetes. Molecular Metabolism, 2022, 55, 101414. | 6.5 | 16 |
| 44 | Essential roles of aspartate aminotransferase 1 and vesicular glutamate transporters in Î²-cell glutamate signaling for incretin-induced insulin secretion. PLoS ONE, 2017, 12, e0187213. | 2.5 | 15 |
| 45 | Î²â€Cell glutamate signaling: Its role in incretinâ€induced insulin secretion. Journal of Diabetes Investigation, 2016, 7, 38-43. | 2.4 | 14 |
| 46 | Kir2.2v: a possible negative regulator of the inwardly rectifying K+channel Kir2.2. FEBS Letters, 1996, 386, 211-214. | 2.8 | 13 |
| 47 | Identification of a Major Gene Responsible for Type 1 Diabetes in the Komeda Diabetes-Prone Rat. Experimental Animals, 2005, 54, 111-115. | 1.1 | 12 |
| 48 | Characterization of the Prediabetic State in a Novel Rat Model of Type 2 Diabetes, the ZFDM Rat. Journal of Diabetes Research, 2015, 2015, 1-8. | 2.3 | 12 |
| 49 | Current status of regeneration of pancreatic Î²â€cells. Journal of Diabetes Investigation, 2013, 4, 131-141. | 2.4 | 10 |
| 50 | Inhibition of SNAT5 Induces Incretin-Responsive State From Incretin-Unresponsive State in Pancreatic Î²-Cells: Study of Î²-Cell Spheroid Clusters as a Model. Diabetes, 2018, 67, 1795-1806. | 0.6 | 10 |
| 51 | Glucose regulation of arginine-induced pancreatic somatostatin release from the isolated perfused rat pancreas. Regulatory Peptides, 1982, 3, 271-279. | 1.9 | 8 |
| 52 | TM Rats: A Model for Platelet Storage Pool Deficiency.. Experimental Animals, 1997, 46, 235-239. | 1.1 | 8 |
| 53 | Pdx1, a Homeodomain Transcription Factor Required for Pancreas Development, Maps to Rat Chromosome 12.. Experimental Animals, 1997, 46, 323-324. | 1.1 | 8 |
| 54 | Functional adenosine triphosphateâ€sensitive potassium channel is required in highâ€carbohydrate dietâ€induced increase in Î²â€cell mass. Journal of Diabetes Investigation, 2019, 10, 238-250. | 2.4 | 7 |

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|---|---|---|---|
| 55 | Epigenetic dysregulation in pancreatic islets and pathogenesis of type 2 diabetes. Journal of Diabetes Investigation, 2018, 9, 475-477. | 2.4 | 6 |
| 56 | Extension of Conserved Regions in the Rat and Mouse Genomes by Chromosomal Assignments of 29 Rat Genes.. Experimental Animals, 1998, 47, 83-88. | 1.1 | 5 |
| 57 | Inâ€ƒvitro generation of insulin-secreting cells from human pancreatic exocrine cells. Journal of Diabetes Investigation, 2011, 2, 271-275. | 2.4 | 5 |
| 58 | Tracing phenotypic reversibility of pancreatic Î²â€cells in vitro. Journal of Diabetes Investigation, 2010, 1, 242-251. | 2.4 | 4 |
| 59 | Tumorâ€like features of gene expression and metabolic profiles in enlarged pancreatic islets are associated with impaired incretinâ€induced insulin secretion in obese diabetes: A study of Zucker fatty diabetes mellitus rat. Journal of Diabetes Investigation, 2020, 11, 1434-1447. | 2.4 | 3 |
| 60 | O-GlcNAcylation of myocyte-specific enhancer factor 2D negatively regulates insulin secretion from pancreatic Î²-cells. Biochemical and Biophysical Research Communications, 2022, 605, 90-96. | 2.1 | 3 |
| 61 | Genetic profiling of two phenotypically distinct outbred rats derived from a colony of the Zucker fatty rats maintained at Tokyo Medical University. Experimental Animals, 2017, 66, 91-98. | 1.1 | 1 |
| 62 | Genetic Analysis of Autoimmune Type 1 Diabetes in the KDP Rat.. Proceedings of the Japanese Society of Animal Models for Human Diseases, 1997, 13, 61-70. | 0.0 | 0 |
| 63 | Elucidation of genetic factors in diabetes based on studies of animal models. Diabetology International, 2015, 6, 255-260. | 1.4 | 0 |
| 64 | Simulation Model of Insulin Granule Dynamics in Pancreatic Beta Cell. IEEJ Transactions on Electronics, Information and Systems, 2015, 135, 963-970. | 0.2 | 0 |