Hiroki Mizukami

List of Publications by Year
in descending order

55 papers	1,973 citations	331670 21 h-index	254184 43 g-index
56 all docs	56 docs citations	56 times ranked	5026 citing authors

#	Article	IF	Citations
1	Serotonin regulates pancreatic beta cell mass during pregnancy. Nature Medicine, 2010, 16, 804-808.	30.7	489
2	Mechanism of diabetic neuropathy: Where are we now and where to go?. Journal of Diabetes Investigation, 2011, 2, 18-32.	2.4	338
3	Molecular pathophysiology in Tay-Sachs and Sandhoff diseases as revealed by gene expression profiling. Human Molecular Genetics, 2002, 11, 1343-1351.	2.9	143
4	Accelerated Loss of Islet Î² Cells in Sucrose-Fed Goto-Kakizaki Rats, a Genetic Model of Non-Insulin-Dependent Diabetes Mellitus. American Journal of Pathology, 1998, 153, 537-545.	3.8	107
5	Involvement of Oxidative Stressâ€“Induced DNA Damage, Endoplasmic Reticulum Stress, and Autophagy Deficits in the Decline of Î²-Cell Mass in Japanese Type 2 Diabetic Patients. Diabetes Care, 2014, 37, 1966-1974.	8.6	81
6	Islet amyloid with macrophage migration correlates with augmented Î²-cell deficits in type 2 diabetic patients. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2014, 21, 191-201.	3.0	73
7	Correction of protein kinase C activity and macrophage migration in peripheral nerve by pioglitazone, peroxisome proliferator activated-Î³-ligand, in insulin-deficient diabetic rats. Journal of Neurochemistry, 2007, 104, 071108171001008-???.	3.9	71
8	Exendin-4 Improves Î²-Cell Function in Autophagy-Deficient Î²-Cells. Endocrinology, 2013, 154, 4512-4524.	2.8	61
9	Amelioration of Acute Kidney Injury in Lipopolysaccharide-Induced Systemic Inflammatory Response Syndrome by an Aldose Reductase Inhibitor, Fidarestat. PLoS ONE, 2012, 7, e30134.	2.5	47
10	Ageâ€associated changes of islet endocrine cells and the effects of body mass index in <scp>J</scp>apanese. Journal of Diabetes Investigation, 2014, 5, 38-47.	2.4	45
11	Dynamic pathology of islet endocrine cells in type 2 diabetes: Î²â€Cell growth, death, regeneration and their clinical implications. Journal of Diabetes Investigation, 2016, 7, 155-165.	2.4	39
12	Methylcobalamin effects on diabetic neuropathy and nerve protein kinase C in rats. European Journal of Clinical Investigation, 2011, 41, 442-450.	3.4	36
13	Mesenchymal stem cell isolation and characterization from human spinal ligaments. Biochemical and Biophysical Research Communications, 2012, 417, 1193-1199.	2.1	35
14	Serotonin Regulates Adult Î²-Cell Mass by Stimulating Perinatal Î²-Cell Proliferation. Diabetes, 2020, 69, 205-214.	0.6	33
15	Effects of long-term treatment with Î±-glucosidase inhibitor on the peripheral nerve function and structure in Goto-Kakizaki rats: a genetic model for Type 2 diabetes. Diabetes/Metabolism Research and Reviews, 1999, 15, 332-337.	4.0	28
16	Augmented Î² cell loss and mitochondrial abnormalities in sucrose-fed GK rats. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2008, 452, 383-392.	2.8	28
17	Effects of long-term treatment with the dipeptidyl peptidase-4 inhibitor vildagliptin on islet endocrine cells in non-obese type 2 diabetic Goto-Kakizaki rats. European Journal of Pharmacology, 2012, 691, 297-306.	3.5	28
18	Exploring a New Therapy for Diabetic Polyneuropathy Ã¢â‚¬â€œ The Application of Stem Cell Transplantation. Frontiers in Endocrinology, 2014, 5, 45.	3.5	27

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19	Collateral Glucose-Utlizing Pathwaya in Diabetic Polyneuropathy. International Journal of Molecular Sciences, 2021, 22, 94.	4.1	27
20	The dipeptidyl peptidase <scp>IV</scp> inhibitor vildagliptin suppresses development of neuropathy in diabetic rodents: effects on peripheral sensory nerve function, structure and molecular changes. Journal of Neurochemistry, 2016, 136, 859-870.	3.9	24
21	Pancreas Atrophy and Islet Amyloid Deposition in Patients With Elderly-Onset Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3162-3171.	3.6	24
22	A spontaneously immortalized Schwann cell line from aldose reductaseâ€deficient mice as a useful tool for studying polyol pathway and aldehyde metabolism. Journal of Neurochemistry, 2018, 144, 710-722.	3.9	18
23	Global gene expression in a type 2 Gaucher disease brain. Molecular Genetics and Metabolism, 2004, 83, 288-296.	1.1	17
24	Role of glucosamine in development of diabetic neuropathy independent of the aldose reductase pathway. Brain Communications, 2020, 2, fcaa168.	3.3	17
25	Biphasic changes in Î²-cell mass around parturition are accompanied by increased serotonin production. Scientific Reports, 2020, 10, 4962.	3.3	13
26	Diversity of pathophysiology in typeâ€‰2 diabetes shown by islet pathology. Journal of Diabetes Investigation, 2022, 13, 6-13.	2.4	12
27	Worsened outcome in patients with pancreatic ductal carcinoma on long-term diabetes: association with E-cadherin1 (CDH1) promoter methylation. Scientific Reports, 2017, 7, 18056.	3.3	10
28	Inhibitory effects of xanthine oxidase inhibitor, topiroxostat, on development of neuropathy in db/db mice. Neurobiology of Disease, 2021, 155, 105392.	4.4	10
29	MEK/ERK Signaling in Î²-Cells Bifunctionally Regulates Î²-Cell Mass and Glucose-Stimulated Insulin Secretion Response to Maintain Glucose Homeostasis. Diabetes, 2021, 70, 1519-1535.	0.6	9
30	Diabetes in Humans Activates Pancreatic Stellate Cells via RAGE in Pancreatic Ductal Adenocarcinoma. International Journal of Molecular Sciences, 2021, 22, 11716.	4.1	8
31	The Effects of Dipeptidyl-Peptidase-IV Inhibitor, Vildagliptin, on the Exocrine Pancreas in Spontaneously Diabetic Goto-Kakizaki Rats. Pancreas, 2013, 42, 786-794.	1.1	7
32	Diabetes, an independent poor prognostic factor of non-B non-C hepatocellular carcinoma, correlates with dihydropyrimidinase-like 3 promoter methylation. Scientific Reports, 2020, 10, 1156.	3.3	7
33	Morphological dendritic spine changes of medium spiny neurons in the nucleus accumbens in 6-hydroxydopamine-lesioned rats treated with levodopa. Neuroscience Research, 2017, 121, 49-53.	1.9	6
34	Normal High HbA1c a Risk Factor for Abnormal Pain Threshold in the Japanese Population. Frontiers in Endocrinology, 2019, 10, 651.	3.5	6
35	Lipopolysaccharide-binding protein is a distinctive biomarker of abnormal pain threshold in the general Japanese population. BMJ Open Diabetes Research and Care, 2020, 8, e001739.	2.8	6
36	Influence of xanthine oxidoreductase inhibitor, topiroxostat, on body weight of diabetic obese mice. Nutrition and Diabetes, 2021, 11, 12.	3.2	6

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37	Beneficial effects of combination therapy of canagliflozin and teneligliptin on diabetic polyneuropathy and Î²-cell volume density in spontaneously type 2 diabetic Goto-Kakizaki rats. Metabolism: Clinical and Experimental, 2020, 107, 154232.	3.4	6
38	Development of monoclonal mouse antibodies that specifically recognize pancreatic polypeptide. Endocrine Journal, 2019, 66, 459-468.	1.6	5
39	Detection of nerve enlargement with ultrasound and correlation with skin biopsy findings in painful sensory neuropathy associated with SjÃ¶grenâ€™s syndrome. Modern Rheumatology, 2021, 31, 849-855.	1.8	5
40	Retinoic acid-inducible gene-I-like receptor (RLR)-mediated antiviral innate immune responses in the lower respiratory tract: Roles of TRAF3 and TRAF5. Biochemical and Biophysical Research Communications, 2015, 467, 191-196.	2.1	4
41	Is Stem Cell Transplantation Ready for Prime Time in Diabetic Polyneuropathy?. Current Diabetes Reports, 2016, 16, 86.	4.2	4
42	Islet microangiopathy and augmented Î² cell loss in Japanese nonobese type 2 diabetes patients who died of acute myocardial infarction. Journal of Diabetes Investigation, 2021, 12, 2149.	2.4	4
43	Increased Oxidative Stress Underlies Abnormal Pain Threshold in a Normoglycemic Japanese Population. International Journal of Molecular Sciences, 2020, 21, 8306.	4.1	3
44	Inducible Systemic Gcn1 Deletion in Mice Leads to Transient Body Weight Loss upon Tamoxifen Treatment Associated with Decrease of Fat and Liver Glycogen Storage. International Journal of Molecular Sciences, 2022, 23, 3201.	4.1	2
45	2047-P: Possible Implication of Cyclin D2 in Beta-Cell Proliferation of Human Perinatal Islet. Diabetes, 2020, 69, .	0.6	1
46	Synergistic Effects of Long-Term Combination Therapy of DPP-4 Inhibitor and SGLT2 Inhibitor on the Preservation of Beta-Cell Volume in Rats with Type 2 Diabetes. Diabetes, 2018, 67, .	0.6	1
47	Suppression of Neuropathy Development in Diabetic Rage-Deficient Mice Is Associated with Absence of M1/M2 Macrophage Skewing in the Sciatic Nerve. Diabetes, 2018, 67, 575-P.	0.6	1
48	Cumulative autophagy insufficiency in mice leads to progression of Î²-cell failure. Biochemical and Biophysical Research Communications, 2022, 611, 38-45.	2.1	1
49	OUP accepted manuscript. Journal of Surgical Case Reports, 2021, 2021, rjab472.	0.4	0
50	Beneficial Effects of Xanthine Oxidase Inhibitor, Topiloxostat, on Experimental Diabetic Neuropathy in Mice. Diabetes, 2018, 67, 549-P.	0.6	0
51	2148-P: Islet Endocrine Cells Shows a Unique Pattern on Development and Growth of Each Cell Type in Human Subjects. Diabetes, 2019, 68, 2148-P.	0.6	0
52	319-OR: Deficit of Retrograde Axonal Transportation Was Mediated via Activation of Macrophage RAGE Signaling in Experimental Diabetic Polyneuropathy. Diabetes, 2019, 68, .	0.6	0
53	566-P: Mild Increase of Proinflammatory Macrophages Correlates with Reduction of Nerve Fiber Density in Sural Nerve of Human Type 2 Diabetic Subjects. Diabetes, 2019, 68, .	0.6	0
54	2127-P: Reduced Islet Parasympathetic Nerve Density Correlates with Decrease in Beta-Cell Volume of Islet in Lean Type 2 Diabetic Goto-Kakizaki Rat. Diabetes, 2019, 68, .	0.6	0

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55	561-P: Activated Xanthine Oxidase in Serum Is a Potent Therapeutic Target for Experimental Diabetic Polyneuropathy. Diabetes, 2020, 69, .	0.6	0