

Hiroki Mizukami

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,973
citations

377584

21
h-index

286692

43
g-index

56
all docs

56
docs citations

56
times ranked

5464
citing authors

#	ARTICLE	IF	CITATIONS
1	Diversity of pathophysiology in type 2 diabetes shown by islet pathology. <i>Journal of Diabetes Investigation</i> , 2022, 13, 6-13.	1.1	12
2	Inducible Systemic Gcn1 Deletion in Mice Leads to Transient Body Weight Loss upon Tamoxifen Treatment Associated with Decrease of Fat and Liver Glycogen Storage. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3201.	1.8	2
3	Cumulative autophagy insufficiency in mice leads to progression of β -cell failure. <i>Biochemical and Biophysical Research Communications</i> , 2022, 611, 38-45.	1.0	1
4	Influence of xanthine oxidoreductase inhibitor, topiroxostat, on body weight of diabetic obese mice. <i>Nutrition and Diabetes</i> , 2021, 11, 12.	1.5	6
5	MEK/ERK Signaling in β -Cells Bifunctionally Regulates β -Cell Mass and Glucose-Stimulated Insulin Secretion Response to Maintain Glucose Homeostasis. <i>Diabetes</i> , 2021, 70, 1519-1535.	0.3	9
6	Islet microangiopathy and augmented β cell loss in Japanese nonobese type 2 diabetes patients who died of acute myocardial infarction. <i>Journal of Diabetes Investigation</i> , 2021, 12, 2149.	1.1	4
7	Inhibitory effects of xanthine oxidase inhibitor, topiroxostat, on development of neuropathy in db/db mice. <i>Neurobiology of Disease</i> , 2021, 155, 105392.	2.1	10
8	OUP accepted manuscript. <i>Journal of Surgical Case Reports</i> , 2021, 2021, rjab472.	0.2	0
9	Detection of nerve enlargement with ultrasound and correlation with skin biopsy findings in painful sensory neuropathy associated with Sjögren's syndrome. <i>Modern Rheumatology</i> , 2021, 31, 849-855.	0.9	5
10	Collateral Glucose-Utilizing Pathways in Diabetic Polyneuropathy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 94.	1.8	27
11	Diabetes in Humans Activates Pancreatic Stellate Cells via RAGE in Pancreatic Ductal Adenocarcinoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11716.	1.8	8
12	Serotonin Regulates Adult β -Cell Mass by Stimulating Perinatal β -Cell Proliferation. <i>Diabetes</i> , 2020, 69, 205-214.	0.3	33
13	Increased Oxidative Stress Underlies Abnormal Pain Threshold in a Normoglycemic Japanese Population. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8306.	1.8	3
14	Lipopolysaccharide-binding protein is a distinctive biomarker of abnormal pain threshold in the general Japanese population. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001739.	1.2	6
15	Role of glucosamine in development of diabetic neuropathy independent of the aldose reductase pathway. <i>Brain Communications</i> , 2020, 2, fcaa168.	1.5	17
16	Biphasic changes in β -cell mass around parturition are accompanied by increased serotonin production. <i>Scientific Reports</i> , 2020, 10, 4962.	1.6	13
17	Diabetes, an independent poor prognostic factor of non-B non-C hepatocellular carcinoma, correlates with dihydropyrimidinase-like 3 promoter methylation. <i>Scientific Reports</i> , 2020, 10, 1156.	1.6	7
18	Beneficial effects of combination therapy of canagliflozin and teneligliptin on diabetic polyneuropathy and β -cell volume density in spontaneously type 2 diabetic Goto-Kakizaki rats. <i>Metabolism: Clinical and Experimental</i> , 2020, 107, 154232.	1.5	6

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19	2047-P: Possible Implication of Cyclin D2 in Beta-Cell Proliferation of Human Perinatal Islet. <i>Diabetes</i> , 2020, 69, .	0.3	1
20	561-P: Activated Xanthine Oxidase in Serum Is a Potent Therapeutic Target for Experimental Diabetic Polyneuropathy. <i>Diabetes</i> , 2020, 69, .	0.3	0
21	Normal High HbA1c a Risk Factor for Abnormal Pain Threshold in the Japanese Population. <i>Frontiers in Endocrinology</i> , 2019, 10, 651.	1.5	6
22	Development of monoclonal mouse antibodies that specifically recognize pancreatic polypeptide. <i>Endocrine Journal</i> , 2019, 66, 459-468.	0.7	5
23	2148-P: Islet Endocrine Cells Shows a Unique Pattern on Development and Growth of Each Cell Type in Human Subjects. <i>Diabetes</i> , 2019, 68, 2148-P.	0.3	0
24	319-OR: Deficit of Retrograde Axonal Transportation Was Mediated via Activation of Macrophage RAGE Signaling in Experimental Diabetic Polyneuropathy. <i>Diabetes</i> , 2019, 68, .	0.3	0
25	566-P: Mild Increase of Proinflammatory Macrophages Correlates with Reduction of Nerve Fiber Density in Sural Nerve of Human Type 2 Diabetic Subjects. <i>Diabetes</i> , 2019, 68, .	0.3	0
26	2127-P: Reduced Islet Parasympathetic Nerve Density Correlates with Decrease in Beta-Cell Volume of Islet in Lean Type 2 Diabetic Goto-Kakizaki Rat. <i>Diabetes</i> , 2019, 68, .	0.3	0
27	A spontaneously immortalized Schwann cell line from aldose reductase-deficient mice as a useful tool for studying polyol pathway and aldehyde metabolism. <i>Journal of Neurochemistry</i> , 2018, 144, 710-722.	2.1	18
28	Beneficial Effects of Xanthine Oxidase Inhibitor, Topiloxostat, on Experimental Diabetic Neuropathy in Mice. <i>Diabetes</i> , 2018, 67, 549-P.	0.3	0
29	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. <i>Diabetes</i> , 2018, 67, .	0.3	1
30	Suppression of Neuropathy Development in Diabetic Rage-Deficient Mice Is Associated with Absence of M1/M2 Macrophage Skewing in the Sciatic Nerve. <i>Diabetes</i> , 2018, 67, 575-P.	0.3	1
31	Morphological dendritic spine changes of medium spiny neurons in the nucleus accumbens in 6-hydroxydopamine-lesioned rats treated with levodopa. <i>Neuroscience Research</i> , 2017, 121, 49-53.	1.0	6
32	Pancreas Atrophy and Islet Amyloid Deposition in Patients With Elderly-Onset Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 3162-3171.	1.8	24
33	Worsened outcome in patients with pancreatic ductal carcinoma on long-term diabetes: association with E-cadherin1 (CDH1) promoter methylation. <i>Scientific Reports</i> , 2017, 7, 18056.	1.6	10
34	The dipeptidyl peptidase IV inhibitor vildagliptin suppresses development of neuropathy in diabetic rodents: effects on peripheral sensory nerve function, structure and molecular changes. <i>Journal of Neurochemistry</i> , 2016, 136, 859-870.	2.1	24
35	Is Stem Cell Transplantation Ready for Prime Time in Diabetic Polyneuropathy?. <i>Current Diabetes Reports</i> , 2016, 16, 86.	1.7	4
36	Dynamic pathology of islet endocrine cells in type 2 diabetes: Cell growth, death, regeneration and their clinical implications. <i>Journal of Diabetes Investigation</i> , 2016, 7, 155-165.	1.1	39

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37	Retinoic acid-inducible gene-I-like receptor (RLR)-mediated antiviral innate immune responses in the lower respiratory tract: Roles of TRAF3 and TRAF5. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 191-196.	1.0	4
38	Exploring a New Therapy for Diabetic Polyneuropathy – The Application of Stem Cell Transplantation. <i>Frontiers in Endocrinology</i> , 2014, 5, 45.	1.5	27
39	Islet amyloid with macrophage migration correlates with augmented β -cell deficits in type 2 diabetic patients. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2014, 21, 191-201.	1.4	73
40	Age-associated changes of islet endocrine cells and the effects of body mass index in Japanese. <i>Journal of Diabetes Investigation</i> , 2014, 5, 38-47.	1.1	45
41	Involvement of Oxidative Stress-Induced DNA Damage, Endoplasmic Reticulum Stress, and Autophagy Deficits in the Decline of β -Cell Mass in Japanese Type 2 Diabetic Patients. <i>Diabetes Care</i> , 2014, 37, 1966-1974.	4.3	81
42	The Effects of Dipeptidyl-Peptidase-IV Inhibitor, Vildagliptin, on the Exocrine Pancreas in Spontaneously Diabetic Goto-Kakizaki Rats. <i>Pancreas</i> , 2013, 42, 786-794.	0.5	7
43	Exendin-4 Improves β -Cell Function in Autophagy-Deficient β -Cells. <i>Endocrinology</i> , 2013, 154, 4512-4524.	1.4	61
44	Mesenchymal stem cell isolation and characterization from human spinal ligaments. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 1193-1199.	1.0	35
45	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. <i>European Journal of Pharmacology</i> , 2012, 691, 297-306.	1.7	28
46	Amelioration of Acute Kidney Injury in Lipopolysaccharide-Induced Systemic Inflammatory Response Syndrome by an Aldose Reductase Inhibitor, Fidarestat. <i>PLoS ONE</i> , 2012, 7, e30134.	1.1	47
47	Mechanism of diabetic neuropathy: Where are we now and where to go?. <i>Journal of Diabetes Investigation</i> , 2011, 2, 18-32.	1.1	338
48	Methylcobalamin effects on diabetic neuropathy and nerve protein kinase C in rats. <i>European Journal of Clinical Investigation</i> , 2011, 41, 442-450.	1.7	36
49	Serotonin regulates pancreatic beta cell mass during pregnancy. <i>Nature Medicine</i> , 2010, 16, 804-808.	15.2	489
50	Augmented β cell loss and mitochondrial abnormalities in sucrose-fed GK rats. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2008, 452, 383-392.	1.4	28
51	Correction of protein kinase C activity and macrophage migration in peripheral nerve by pioglitazone, peroxisome proliferator activated- γ -ligand, in insulin-deficient diabetic rats. <i>Journal of Neurochemistry</i> , 2007, 104, 071108171001008-???	2.1	71
52	Global gene expression in a type 2 Gaucher disease brain. <i>Molecular Genetics and Metabolism</i> , 2004, 83, 288-296.	0.5	17
53	Molecular pathophysiology in Tay-Sachs and Sandhoff diseases as revealed by gene expression profiling. <i>Human Molecular Genetics</i> , 2002, 11, 1343-1351.	1.4	143
54	Effects of long-term treatment with α -glucosidase inhibitor on the peripheral nerve function and structure in Goto-Kakizaki rats: a genetic model for Type 2 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 1999, 15, 332-337.	1.7	28

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55	Accelerated Loss of Islet β Cells in Sucrose-Fed Goto-Kakizaki Rats, a Genetic Model of Non-Insulin-Dependent Diabetes Mellitus. American Journal of Pathology, 1998, 153, 537-545.	1.9	107