Hiroshi Inoue

List of Publications by Year
in descending order

68 papers	4,835 citations	126907 33 h-index	114465 63 g-index
70 all docs	70 docs citations	70 times ranked	8484 citing authors

#	Article	IF	Citations
1	The gut microbiota suppresses insulin-mediated fat accumulation via the short-chain fatty acid receptor GPR43. Nature Communications, 2013, 4, 1829.	12.8	1,089
2	Role of STAT-3 in regulation of hepatic gluconeogenic genes and carbohydrate metabolism in vivo. Nature Medicine, 2004, 10, 168-174.	30.7	328
3	Role of hepatic STAT3 in brain-insulin action on hepatic glucose production. Cell Metabolism, 2006, 3, 267-275.	16.2	261
4	CCR5 Plays a Critical Role in Obesity-Induced Adipose Tissue Inflammation and Insulin Resistance by Regulating Both Macrophage Recruitment and M1/M2 Status. Diabetes, 2012, 61, 1680-1690.	0.6	235
5	Stat3 protects against Fas-induced liver injury by redox-dependent and -independent mechanisms. Journal of Clinical Investigation, 2003, 112, 989-998.	8.2	201
6	The Creb1 coactivator Crtc1 is required for energy balance and fertility. Nature Medicine, 2008, 14, 1112-1117.	30.7	185
7	Macrophage-inducible C-type lectin underlies obesity-induced adipose tissue fibrosis. Nature Communications, 2014, 5, 4982.	12.8	156
8	PKCÎ» in liver mediates insulin-induced SREBP-1c expression and determines both hepatic lipid content and overall insulin sensitivity. Journal of Clinical Investigation, 2003, 112, 935-944.	8.2	146
9	Targeted disruption of the CREB coactivator Crtc2 increases insulin sensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3087-3092.	7.1	137
10	CRTC3 links catecholamine signalling to energy balance. Nature, 2010, 468, 933-939.	27.8	128
11	Role of the Insulin Receptor Substrate 1 and Phosphatidylinositol 3-Kinase Signaling Pathway in Insulin-Induced Expression of Sterol Regulatory Element Binding Protein 1c and Glucokinase Genes in Rat Hepatocytes. Diabetes, 2002, 51, 1672-1680.	0.6	120
12	Dok1 mediates high-fat dietâ€“induced adipocyte hypertrophy and obesity through modulation of PPAR-Î³ phosphorylation. Nature Medicine, 2008, 14, 188-193.	30.7	100
13	Role of KLF15 in Regulation of Hepatic Gluconeogenesis and Metformin Action. Diabetes, 2010, 59, 1608-1615.	0.6	100
14	Compensatory recovery of liver mass by Akt-mediated hepatocellular hypertrophy in liver-specific STAT3-deficient mice. Journal of Hepatology, 2005, 43, 799-807.	3.7	92
15	The survival pathways phosphatidylinositol-3 kinase (PI3-K)/phosphoinositide-dependent protein kinase 1 (PDK1)/Akt modulate liver regeneration through hepatocyte size rather than proliferation. Hepatology, 2009, 49, 204-214.	7.3	92
16	PKCÎ» in liver mediates insulin-induced SREBP-1c expression and determines both hepatic lipid content and overall insulin sensitivity. Journal of Clinical Investigation, 2003, 112, 935-944.	8.2	89
17	Ablation of C/EBPÎ² alleviates ER stress and pancreatic Î² cell failure through the GRP78 chaperone in mice. Journal of Clinical Investigation, 2010, 120, 115-126.	8.2	84
18	Endoplasmic Reticulum Stress Inhibits STAT3-Dependent Suppression of Hepatic Gluconeogenesis via Dephosphorylation and Deacetylation. Diabetes, 2012, 61, 61-73.	0.6	83

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19	Central Insulin Action Activates Kupffer Cells by Suppressing Hepatic Vagal Activation via the Nicotinic Alpha 7 Acetylcholine Receptor. Cell Reports, 2016, 14, 2362-2374.	6.4	67
20	PDGFRÎ² Regulates Adipose Tissue Expansion and Glucose Metabolism via Vascular Remodeling in Diet-Induced Obesity. Diabetes, 2017, 66, 1008-1021.	0.6	66
21	Sirt2 facilitates hepatic glucose uptake by deacetylating glucokinase regulatory protein. Nature Communications, 2018, 9, 30.	12.8	66
22	CITED2 links hormonal signaling to PGC-1Î± acetylation in the regulation of gluconeogenesis. Nature Medicine, 2012, 18, 612-617.	30.7	65
23	Role of KrÃ¼ppel-like factor 15 in PEPCK gene expression in the liver. Biochemical and Biophysical Research Communications, 2005, 327, 920-926.	2.1	64
24	Histidine Augments the Suppression of Hepatic Glucose Production by Central Insulin Action. Diabetes, 2013, 62, 2266-2277.	0.6	61
25	Hypothalamic Orexin Prevents Hepatic Insulin Resistance via Daily Bidirectional Regulation of Autonomic Nervous System in Mice. Diabetes, 2015, 64, 459-470.	0.6	58
26	PKCÎ» regulates glucose-induced insulin secretion through modulation of gene expression in pancreatic Î² cells. Journal of Clinical Investigation, 2005, 115, 138-145.	8.2	57
27	Dietary mung bean protein reduces high-fat diet-induced weight gain by modulating host bile acid metabolism in a gut microbiota-dependent manner. Biochemical and Biophysical Research Communications, 2018, 501, 955-961.	2.1	56
28	Ablation of TSC2 Enhances Insulin Secretion by Increasing the Number of Mitochondria through Activation of mTORC1. PLoS ONE, 2011, 6, e23238.	2.5	50
29	Paternal allelic mutation at the <i>Kcnq1</i> locus reduces pancreatic Î²-cell mass by epigenetic modification of <i>Cdkn1c</i>. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8332-8337.	7.1	49
30	Dietary soybean protein ameliorates high-fat diet-induced obesity by modifying the gut microbiota-dependent biotransformation of bile acids. PLoS ONE, 2018, 13, e0202083.	2.5	45
31	Growth arrest and DNA damageâ€inducible 34 regulates liver regeneration in hepatic steatosis in mice. Hepatology, 2015, 61, 1343-1356.	7.3	41
32	Dietary Mung Bean Protein Reduces Hepatic Steatosis, Fibrosis, and Inflammation in Male Mice with Diet-Induced, Nonalcoholic Fatty Liver Disease. Journal of Nutrition, 2017, 147, 52-60.	2.9	37
33	Restoration of Glucokinase Expression in the Liver Normalizes Postprandial Glucose Disposal in Mice With Hepatic Deficiency of PDK1. Diabetes, 2007, 56, 1000-1009.	0.6	36
34	Central insulin-mediated regulation of hepatic glucose production [Review]. Endocrine Journal, 2016, 63, 1-7.	1.6	34
35	The GCN5-CITED2-PKA signalling module controls hepatic glucose metabolism through a cAMP-induced substrate switch. Nature Communications, 2016, 7, 13147.	12.8	28
36	Hepatocellular carcinoma development in diabetic patients: a nationwide survey in Japan. Journal of Gastroenterology, 2021, 56, 261-273.	5.1	28

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37	Nicotinic alphaâ€7 acetylcholine receptor deficiency exacerbates hepatic inflammation and fibrosis in a mouse model of nonâ€alcoholic steatohepatitis. Journal of Diabetes Investigation, 2019, 10, 659-666.	2.4	26
38	ER stress-inducible ATF3 suppresses BMP2-induced ALP expression and activation in MC3T3-E1 cells. Biochemical and Biophysical Research Communications, 2014, 443, 333-338.	2.1	24
39	Transomics analysis reveals allosteric and gene regulation axes for altered hepatic glucose-responsive metabolism in obesity. Science Signaling, 2020, 13, .	3.6	21
40	Trans-omic analysis reveals obesity-associated dysregulation of inter-organ metabolic cycles between the liver and skeletal muscle. IScience, 2021, 24, 102217.	4.1	21
41	p62/SQSTM1 Plays a Protective Role in Oxidative Injury of Steatotic Liver in a Mouse Hepatectomy Model. Antioxidants and Redox Signaling, 2014, 21, 2515-2530.	5.4	19
42	Regulation of Pancreatic Î² Cell Mass by Cross-Interaction between CCAAT Enhancer Binding Protein Î² Induced by Endoplasmic Reticulum Stress and AMP-Activated Protein Kinase Activity. PLoS ONE, 2015, 10, e0130757.	2.5	17
43	Hepatocyte Î²â€Klotho regulates lipid homeostasis but not body weight in mice. FASEB Journal, 2016, 30, 849-862.	0.5	17
44	Signal transducer and activator of transcription 3 upregulates interleukinâ€8 expression at the level of transcription in human melanoma cells. Experimental Dermatology, 2010, 19, e50-5.	2.9	15
45	PHD3 regulates glucose metabolism by suppressing stress-induced signalling and optimising gluconeogenesis and insulin signalling in hepatocytes. Scientific Reports, 2018, 8, 14290.	3.3	15
46	GCN2 regulates pancreatic Î² cell mass by sensing intracellular amino acid levels. JCI Insight, 2020, 5, .	5.0	13
47	Hepatic Gluconeogenic Response to Single and Long-Term SGLT2 Inhibition in Lean/Obese Male Hepatic G6pc-Reporter Mice. Endocrinology, 2019, 160, 2811-2824.	2.8	12
48	Hollow fiber-combined glucose-responsive gel technology as an in vivo electronics-free insulin delivery system. Communications Biology, 2020, 3, 313.	4.4	12
49	Role of the E3 ubiquitin ligase gene related to anergy in lymphocytes in glucose and lipid metabolism in the liver. Journal of Molecular Endocrinology, 2009, 42, 161-169.	2.5	11
50	Nymphal cannibalism in relation to oviposition behavior of adults in the assassin bug,Agriosphodrus dohrni signoret. Researches on Population Ecology, 1983, 25, 189-197.	0.9	10
51	MAPK Erk5 in Leptin Receptorâ€'Expressing Neurons Controls Body Weight and Systemic Energy Homeostasis in Female Mice. Endocrinology, 2019, 160, 2837-2848.	2.8	10
52	Logical design of oral glucose ingestion pattern minimizing blood glucose in humans. Npj Systems Biology and Applications, 2019, 5, 31.	3.0	10
53	Studies on the mode of foraging of the gregarious assassin bugAgriosphodrus dohrni Signoret. Researches on Population Ecology, 1982, 24, 211-223.	0.9	7
54	Group predatory behavior by the assassin bugAgriosphodrus dohrni Signoret (Hemiptera: Reduviidae). Researches on Population Ecology, 1985, 27, 255-264.	0.9	7

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55	Docosahexaenoic Acid Reduces Palmitic Acid-Induced Endoplasmic Reticulum Stress in Pancreatic Î² Cells. Kobe Journal of Medical Sciences, 2018, 64, E43-E55.	0.2	7
56	Studies on the population dynamics of the assassin bug,Agriosphodrus dohrni Signoret, in relation to resting site utilization. Researches on Population Ecology, 1986, 28, 27-38.	0.9	5
57	Diet intake control is indispensable for the gluconeogenic response to sodiumâ€“glucose cotransporter 2 inhibition in male mice. Journal of Diabetes Investigation, 2021, 12, 35-47.	2.4	5
58	Four features of temporal patterns characterize similarity among individuals and molecules by glucose ingestion in humans. Npj Systems Biology and Applications, 2022, 8, 6.	3.0	5
59	Eicosapentaenoic acid ameliorates hyperglycemia in high-fat diet-sensitive diabetes mice in conjunction with restoration of hypoadiponectinemia. Nutrition and Diabetes, 2016, 6, e213-e213.	3.2	4
60	Habitat use by the refuging predator,Agriosphodrus dohrni Signoret I. Nymphal microhabitat suitability and density dependent microhabitat selection by ovipositing females. Researches on Population Ecology, 1986, 28, 321-332.	0.9	3
61	Food availability and reproductive performance in the predator,Agriosphodrus dohrni signoret (Hemiptera: Reduviidae): Is its population food-limited in the field?. Researches on Population Ecology, 1988, 30, 95-105.	0.9	3
62	Diabetic modifier QTL, <i>Dbm4</i>, affecting elevated fasting blood glucose concentrations in congenic mice. Genes and Genetic Systems, 2012, 87, 341-346.	0.7	1
63	Regulation of glucose metabolism by central insulin action. Biomedical Reviews, 2014, 22, 31.	0.6	1
64	Identification of de novo STAT3 target gene in liver regeneration. Hepatology Research, 2008, 38, 374-384.	3.4	0
65	Reply to: â€œMouse fertility is not dependent on the CREB coactivator Crtc1â€. Nature Medicine, 2009, 15, 991-991.	30.7	0
66	Molecular basis of brain-mediated regulation of hepatic glucose metabolism. Diabetology International, 2014, 5, 158-164.	1.4	0
67	Role of central insulin action in the regulation of hepatic glucose metabolism. Acta Hepatologica Japonica, 2012, 53, 329-335.	0.1	0
68	Flexible herbivory of the euryhaline mysid <i>Neomysis awatschensis</i> in the microtidal Yura River estuary, central Japan. Plankton and Benthos Research, 2021, 16, 278-291.	0.6	0