Hirofumi Misu

List of Publications by Year
in descending order

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27 papers	1,840 citations	430874 18 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	2469 citing authors

#	Article	IF	Citations
1	A Liver-Derived Secretory Protein, Selenoprotein P, Causes Insulin Resistance. Cell Metabolism, 2010, 12, 483-495.	16.2	469
2	Insulin Resistance Accelerates a Dietary Rat Model of Nonalcoholic Steatohepatitis. Gastroenterology, 2007, 132, 282-293.	1.3	222
3	Deficiency of the hepatokine selenoprotein P increases responsiveness to exercise in mice through upregulation of reactive oxygen species and AMP-activated protein kinase in muscle. Nature Medicine, 2017, 23, 508-516.	30.7	127
4	LECT2 Functions as a Hepatokine That Links Obesity to Skeletal Muscle Insulin Resistance. Diabetes, 2014, 63, 1649-1664.	0.6	123
5	Selenoprotein P-neutralizing antibodies improve insulin secretion and glucose sensitivity in type 2 diabetes mouse models. Nature Communications, 2017, 8, 1658.	12.8	114
6	Inverse Correlation between Serum Levels of Selenoprotein P and Adiponectin in Patients with Type 2 Diabetes. PLoS ONE, 2012, 7, e34952.	2.5	93
7	Concentration-dependent Dual Effects of Hydrogen Peroxide on Insulin Signal Transduction in H4IIEC Hepatocytes. PLoS ONE, 2011, 6, e27401.	2.5	90
8	Obesity Upregulates Genes Involved in Oxidative Phosphorylation in Livers of Diabetic Patients. Obesity, 2008, 16, 2601-2609.	3.0	81
9	Fatty liver as a consequence and cause of insulin resistance: Lessons from type 2 diabetic liver. Endocrine Journal, 2012, 59, 745-763.	1.6	78
10	Metformin Suppresses Expression of the Selenoprotein P Gene via an AMP-activated Kinase (AMPK)/FoxO3a Pathway in H4IIEC3 Hepatocytes. Journal of Biological Chemistry, 2014, 289, 335-345.	3.4	69
11	Selenoprotein P as a diabetes-associated hepatokine that impairs angiogenesis by inducing VEGF resistance in vascular endothelial cells. Diabetologia, 2014, 57, 1968-1976.	6.3	55
12	The influence of adiposity and acute exercise on circulating hepatokines in normal-weight and overweight/obese men. Applied Physiology, Nutrition and Metabolism, 2018, 43, 482-490.	1.9	49
13	Serum selenoprotein P, but not selenium, predicts future hyperglycemia in a general Japanese population. Scientific Reports, 2018, 8, 16727.	3.3	44
14	Inhibin Î²E (INHBE) is a possible insulin resistance-associated hepatokine identified by comprehensive gene expression analysis in human liver biopsy samples. PLoS ONE, 2018, 13, e0194798.	2.5	33
15	Rapid response of the steatosis-sensing hepatokine LECT2 during diet-induced weight cycling in mice. Biochemical and Biophysical Research Communications, 2016, 478, 1310-1316.	2.1	31
16	Endogenous Selenoprotein P, a Liver-Derived Secretory Protein, Mediates Myocardial Ischemia/Reperfusion Injury in Mice. International Journal of Molecular Sciences, 2018, 19, 878.	4.1	25
17	Comparison of Human Selenoprotein P Determinants in Serum between Our Original Methods and Commercially Available Kits. Biological and Pharmaceutical Bulletin, 2018, 41, 828-832.	1.4	24
18	Development of a Sol Particle Homogeneous Immunoassay for Measuring Fullâ€Length Selenoprotein P in Human Serum. Journal of Clinical Laboratory Analysis, 2016, 30, 114-122.	2.1	23

#	Article	IF	Citations
19	Identification of hepatokines involved in pathology of type 2 diabetes and obesity. Endocrine Journal, 2019, 66, 659-662.	1.6	22
20	Regulation of the physiological effects of peroxidovanadium(V) complexes by the electronic nature of ligands. Journal of Inorganic Biochemistry, 2013, 121, 66-76.	3.5	16
21	Physiological roles of peroxido-vanadium complexes: Leitmotif as their signal transduction pathway. Journal of Inorganic Biochemistry, 2015, 147, 93-98.	3.5	13
22	Pathophysiological significance of hepatokine overproduction in type 2 diabetes. Diabetology International, 2018, 9, 224-233.	1.4	13
23	SAGE Application in the Study of Diabetes. Current Pharmaceutical Biotechnology, 2008, 9, 392-399.	1.6	12
24	Circulating Concentrations of Insulin Resistance-Associated Hepatokines, Selenoprotein P and Leukocyte Cell-Derived Chemotaxin 2, during an Oral Glucose Tolerance Test in Humans. Biological and Pharmaceutical Bulletin, 2019, 42, 373-378.	1.4	6
25	Cytotoxicity and enhancement of the insulin signaling pathway induced by peroxidovanadium(V) complexes. Inorganica Chimica Acta, 2014, 420, 53-59.	2.4	5
26	Plasma half-life and tissue distribution of leukocyte cell-derived chemotaxin 2 in mice. Scientific Reports, 2020, 10, 13260.	3.3	3
27	Ectopic Fat Accumulation in the Liver and Glucose Homeostasis. , 2016, , 185-199.		0