Shin-Ichiro Takahashi

List of Publications by Year in Descending Order

83 papers	1,626 citations	22 h-index	36 g-index
87 ext. papers	1,985 ext. citations	4.8 avg, IF	4.71 L-index

#	Paper	IF	Citations
83	Endogenous testosterone reduces hepatic lipid accumulation in protein-restricted male rats. *Nutrition*, **2021**, 85, 111130	4.8	2
82	A novel amino acid signaling process governs glucose-6-phosphatase transcription. *IScience*, **2021**, 24, 102778	6.1	0
81	Quercetin 3,5,7,3′4′pentamethyl ether from Kaempferia parviflora directly and effectively activates human SIRT1. *Communications Biology*, **2021**, 4, 209	6.7	5
80	Rapid manipulation of mitochondrial morphology in a living cell with iCMM.. *Cell Reports Methods*, **2021**, 1, 100052		1
79	Rbfox2 mediates exon 11 inclusion in insulin receptor pre-mRNA splicing in hepatoma cells. *Biochimie*, **2021**, 187, 25-32	4.6	0
78	Dietary lysine restriction induces lipid accumulation in skeletal muscle through an increase in serum threonine levels in rats. *Journal of Biological Chemistry*, **2021**, 297, 101179	5.4	1
77	Myoblasts With Higher IRS-1 Levels Are Eliminated From the Normal Cell Layer During Differentiation. *Frontiers in Endocrinology*, **2020**, 11, 96	5.7	1
76	Cytosolic domain of SIDT2 carries an arginine-rich motif that binds to RNA/DNA and is important for the direct transport of nucleic acids into lysosomes. *Autophagy*, **2020**, 16, 1974-1988	10.2	11
75	Alteration of serum amino acid profiles by dietary adenine supplementation inhibits fatty liver development in rats. *Scientific Reports*, **2020**, 10, 22110	4.9	1
74	Elaidate, a trans fatty acid, suppresses insulin signaling for glucose uptake in a manner distinct from that of stearate. *Biochimie*, **2020**, 177, 98-107	4.6	2
73	Low-arginine and low-protein diets induce hepatic lipid accumulation through different mechanisms in growing rats. *Nutrition and Metabolism*, **2020**, 17, 60	4.6	3
72	A translation repressor, 4E-BP1, regulates the triglyceride level in rat liver during protein deprivation. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 318, E636-E645	6	4
71	Low-protein diet enhances adiponectin secretion in rats. *Bioscience, Biotechnology and Biochemistry* , **2019**, 83, 1774-1781	2.1	2
70	Myelodysplastic Syndrome-Associated SRSF2 Mutations Cause Splicing Changes by Altering Binding Motif Sequences. *Frontiers in Genetics*, **2019**, 10, 338	4.5	10
69	Prolyl Isomerase Pin1 Suppresses Thermogenic Programs in Adipocytes by Promoting Degradation of Transcriptional Co-activator PRDM16. *Cell Reports*, **2019**, 26, 3221-3230.e3	10.6	7
68	IGF research 2016-2018. *Growth Hormone and IGF Research*, **2019**, 48-49, 65-69	2	7
67	Prolyl isomerase Pin1 binds to and stabilizes acetyl CoA carboxylase 1 protein, thereby supporting cancer cell proliferation. *Oncotarget*, **2019**, 10, 1637-1648	3.3	10

66	Importance of Serum Amino Acid Profile for Induction of Hepatic Steatosis under Protein Malnutrition. *Scientific Reports*, **2018**, 8, 5461	4.9	25
65	Catch-Up Growth in Zebrafish Embryo Requires Neural Crest Cells Sustained by Irs1 Signaling. *Endocrinology*, **2018**, 159, 1547-1560	4.8	7
64	IGF1 receptor signaling pathways. *Journal of Molecular Endocrinology*, **2018**, 61, T69-T86	4.5	136
63	IRS-2 deubiquitination by USP9X maintains anchorage-independent cell growth via Erk1/2 activation in prostate carcinoma cell line. *Oncotarget*, **2018**, 9, 33871-33883	3.3	5
62	IRS-1 acts as an endocytic regulator of IGF-I receptor to facilitate sustained IGF signaling. *ELife*, **2018**, 7,	8.9	29
61	SM22□(Smooth Muscle Protein 22-□)□Promoter-Driven IGF1R (Insulin-Like Growth Factor 1 Receptor) Deficiency Promotes Atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 2306-2317	9.4	15
60	Serine Phosphorylation by mTORC1 Promotes IRS-1 Degradation through SCF□TRCP E3□Ubiquitin Ligase. *IScience*, **2018**, 5, 1-18	6.1	36
59	USP15 attenuates IGF-I signaling by antagonizing Nedd4-induced IRS-2 ubiquitination. *Biochemical and Biophysical Research Communications*, **2017**, 484, 522-528	3.4	10
58	Triglyceride synthesis in hepatocytes isolated from rats fed a low-protein diet is enhanced independently of upregulation of insulin signaling. *Biochemical and Biophysical Research Communications*, **2017**, 490, 800-805	3.4	6
57	USP40 gene knockdown disrupts glomerular permeability in zebrafish. *American Journal of Physiology - Renal Physiology*, **2017**, 312, F702-F715	4.3	8
56	Branched-chain amino acid supplementation restores reduced insulinotropic activity of a low-protein diet through the vagus nerve in rats. *Nutrition and Metabolism*, **2017**, 14, 59	4.6	12
55	In vivo regulation of glycogen synthase kinase 3□activity in neurons and brains. *Scientific Reports*, **2017**, 7, 8602	4.9	47
54	Lysosomal targeting of SIDT2 via multiple Yxx□motifs is required for SIDT2 function in the process of RNautophagy. *Journal of Cell Science*, **2017**, 130, 2843-2853	5.3	8
53	The Short-Stature Homeobox-Containing Gene (/) Is Required for the Regulation of Cell Proliferation and Bone Differentiation in Zebrafish Embryo and Human Mesenchymal Stem Cells. *Frontiers in Endocrinology*, **2017**, 8, 125	5.7	8
52	Transport Granules Bound with Nuclear Cap Binding Protein and Exon Junction Complex Are Associated with Microtubules and Spatially Separated from eIF4E Granules and P Bodies in Human Neuronal Processes. *Frontiers in Molecular Biosciences*, **2017**, 4, 93	5.6	7
51	A novel IRS-1-associated protein, DGK□regulates GLUT4 translocation in 3T3-L1 adipocytes. *Scientific Reports*, **2016**, 6, 35438	4.9	13
50	Supplemental arginine above the requirement during suckling causes obesity and insulin resistance in rats. *Nutrition Research*, **2016**, 36, 575-85	4	3
49	Roles of chondroitin sulfate proteoglycan 4 in fibrogenic/adipogenic differentiation in skeletal muscle tissues. *Experimental Cell Research*, **2016**, 347, 367-77	4.2	13

48	Identification and gene expression profile analysis of a major type of lipoprotein lipase in adult medaka Oryzias latipes. *Fisheries Science*, **2015**, 81, 163-173	1.9	2
47	Tumor necrosis factor (TNF)-induced repression of GKAP42 protein levels through cGMP-dependent kinase (cGK)-I causes insulin resistance in 3T3-L1 adipocytes. *Journal of Biological Chemistry*, **2015**, 290, 5881-92	5.4	19
46	RNautophagy/DNautophagy possesses selectivity for RNA/DNA substrates. *Nucleic Acids Research*, **2015**, 43, 6439-49	20.1	26
45	Prolyl isomerase Pin1 negatively regulates AMP-activated protein kinase (AMPK) by associating with the CBS domain in the subunit. *Journal of Biological Chemistry*, **2015**, 290, 24255-66	5.4	22
44	Analysis of insulin receptor substrate signaling dynamics on microstructured surfaces. *FEBS Journal*, **2015**, 282, 987-1005	5.7	15
43	Rapid increase in fibroblast growth factor 21 in protein malnutrition and its impact on growth and lipid metabolism. *British Journal of Nutrition*, **2015**, 114, 1410-8	3.6	30
42	In vivo loss of function study reveals the short stature homeobox-containing (shox) gene plays indispensable roles in early embryonic growth and bone formation in zebrafish. *Developmental Dynamics*, **2015**, 244, 146-56	2.9	14
41	The Novel Functions of High-Molecular-Mass Complexes Containing Insulin Receptor Substrates in Mediation and Modulation of Insulin-Like Activities: Emerging Concept of Diverse Functions by IRS-Associated Proteins. *Frontiers in Endocrinology*, **2015**, 6, 73	5.7	19
40	The Inner Nuclear Membrane Protein Nemp1 Is a New Type of RanGTP-Binding Protein in Eukaryotes. *PLoS ONE*, **2015**, 10, e0127271	3.7	12
39	LUBAC Formation Is Impaired in the Livers of Mice with MCD-Dependent Nonalcoholic Steatohepatitis. *Mediators of Inflammation*, **2015**, 2015, 125380	4.3	19
38	Nedd4-induced monoubiquitination of IRS-2 enhances IGF signalling and mitogenic activity. *Nature Communications*, **2015**, 6, 6780	17.4	42
37	Aspp2 negatively regulates body growth but not developmental timing by modulating IRS signaling in zebrafish embryos. *General and Comparative Endocrinology*, **2014**, 197, 82-91	3	11
36	Something old, something new and something borrowed: emerging paradigm of insulin-like growth factor type 1 receptor (IGF-1R) signaling regulation. *Cellular and Molecular Life Sciences*, **2014**, 71, 2403-27	10.3	102
35	Tissue-specific effects of protein malnutrition on insulin signaling pathway and lipid accumulation in growing rats. *Endocrine Journal*, **2014**, 61, 499-512	2.9	18
34	Insulin receptor substrate-1 associates with small nucleolar RNA which contributes to ribosome biogenesis. *Frontiers in Endocrinology*, **2014**, 5, 24	5.7	8
33	Acetylcholinesterase (AChE) inhibition aggravates fasting-induced triglyceride accumulation in the mouse liver. *FEBS Open Bio*, **2014**, 4, 905-14	2.7	12
32	Insulin injection restored increased insulin receptor substrate (IRS)-2 protein during short-term protein restriction but did not affect reduced insulin-like growth factor (IGF)-I mRNA or increased triglyceride accumulation in the liver of rats. *Bioscience, Biotechnology and Biochemistry*, **2014**, 78, 130-8	2.1	13
31	Steroid hormones are novel nucleoside transport inhibitors by competition with nucleosides for their transporters. *Biochemical and Biophysical Research Communications*, **2014**, 443, 505-10	3.4	3

30	Insulin/insulin-like growth factor-like activity in the aqueous extracts of the rotifer Brachionus plicatilis. *Fisheries Science*, **2013**, 79, 47-53	1.9	8
29	Distribution of adipocyte-related cells in skeletal muscle of rainbow trout Oncorhynchus mykiss. *Fisheries Science*, **2013**, 79, 143-148	1.9	8
28	Insulin receptor substrate-1 (IRS-1) forms a ribonucleoprotein complex associated with polysomes. *FEBS Letters*, **2013**, 587, 2319-24	3.8	9
27	The AP-1 complex regulates intracellular localization of insulin receptor substrate 1, which is required for insulin-like growth factor I-dependent cell proliferation. *Molecular and Cellular Biology*, **2013**, 33, 1991-2003	4.8	17
26	Phosphatidylinositol 3-kinase-binding protein, PI3KAP/XB130, is required for cAMP-induced amplification of IGF mitogenic activity in FRTL-5 thyroid cells. *Molecular Endocrinology*, **2012**, 26, 1043-55		19
25	Phosphatidylinositol 3-kinase (PI3K) activity bound to insulin-like growth factor-I (IGF-I) receptor, which is continuously sustained by IGF-I stimulation, is required for IGF-I-induced cell proliferation. *Journal of Biological Chemistry*, **2012**, 287, 29713-21	5.4	20
24	Insulin/insulin-like growth factor (IGF) stimulation abrogates an association between a deubiquitinating enzyme USP7 and insulin receptor substrates (IRSs) followed by proteasomal degradation of IRSs. *Biochemical and Biophysical Research Communications*, **2012**, 423, 122-7	3.4	26
23	LST8 level controls basal p70 S6 kinase and Akt phosphorylations, and mTORC1 and mTORC2 negatively regulate each other by competing for association with LST8. *Obesity Research and Clinical Practice*, **2012**, 6, e175-262	5.4	2
22	Insulin receptor substrates form high-molecular-mass complexes that modulate their availability to insulin/insulin-like growth factor-I receptor tyrosine kinases. *Biochemical and Biophysical Research Communications*, **2011**, 404, 767-73	3.4	23
21	HSP90 interacting with IRS-2 is involved in cAMP-dependent potentiation of IGF-I signals in FRTL-5 cells. *Molecular and Cellular Endocrinology*, **2011**, 344, 81-9	4.4	16
20	Constitutive expression of insulin receptor substrate (IRS)-1 inhibits myogenic differentiation through nuclear exclusion of Foxo1 in L6 myoblasts. *PLoS ONE*, **2011**, 6, e25655	3.7	17
19	Dietary protein deprivation upregulates insulin signaling and inhibits gluconeogenesis in rat liver. *Journal of Molecular Endocrinology*, **2010**, 45, 329-40	4.5	29
18	Pin1 associates with and induces translocation of CRTC2 to the cytosol, thereby suppressing cAMP-responsive element transcriptional activity. *Journal of Biological Chemistry*, **2010**, 285, 33018-33027	5.4	25
17	Insulin receptor substrate-3, interacting with Bcl-3, enhances p50 NF-kappaB activity. *Biochemical and Biophysical Research Communications*, **2010**, 394, 697-702	3.4	13
16	Differential subcellular localization of insulin receptor substrates depends on C-terminal regions and importin beta. *Biochemical and Biophysical Research Communications*, **2008**, 377, 741-6	3.4	8
15	Distinct modes of activation of phosphatidylinositol 3-kinase in response to cyclic adenosine 3Ţ 5Ţmonophosphate or insulin-like growth factor I play different roles in regulation of cyclin D1 and p27Kip1 in FRTL-5 cells. *Endocrinology*, **2008**, 149, 3729-42	4.8	12
14	53BP2S, interacting with insulin receptor substrates, modulates insulin signaling. *Journal of Biological Chemistry*, **2007**, 282, 37747-58	5.4	22
13	The novel roles of liver for compensation of insulin resistance in human growth hormone transgenic rats. *Endocrinology*, **2006**, 147, 5374-84	4.8	29

12	Insulin receptor substrate-3 functions as transcriptional activator in the nucleus. *Journal of Biological Chemistry*, **2002**, 277, 6846-51	5.4	41
11	Long-term hormonal regulation of the cAMP-specific phosphodiesterases in cultured FRTL-5 thyroid cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2001**, 1540, 68-81	4.9	19
10	Insulin-like growth factor-I-dependent signal transduction pathways leading to the induction of cell growth and differentiation of human neuroblastoma cell line SH-SY5Y: the roles of MAP kinase pathway and PI 3-kinase pathway. *Endocrine Journal*, **2000**, 47, 739-51	2.9	67
9	Signalling pathways of insulin-like growth factor-I that are augmented by cAMP in FRTL-5 cells. *Biochemical Journal*, **2000**, 348, 409	3.8	19
8	Signalling pathways of insulin-like growth factor-I that are augmented by cAMP in FRTL-5 cells. *Biochemical Journal*, **2000**, 348, 409-416	3.8	53
7	Dietary restriction of single essential amino acids reduces plasma insulin-like growth factor-I (IGF-I) but does not affect plasma IGF-binding protein-1 in rats. *Journal of Nutrition*, **2000**, 130, 2910-4	4.1	46
6	Tyrosine kinase and phosphatidylinositol 3-kinase activation are required for cyclic adenosine 3Ţ5Ŧmonophosphate-dependent potentiation of deoxyribonucleic acid synthesis induced by insulin-like growth factor-I in FRTL-5 cells. *Endocrinology*, **2000**, 141, 2429-38	4.8	28
5	Short term feedback regulation of cAMP in FRTL-5 thyroid cells. Role of PDE4D3 phosphodiesterase activation. *Journal of Biological Chemistry*, **2000**, 275, 10831-7	5.4	90
4	Effect of protein restriction on messenger RNA of insulin-like growth factor-I and insulin-like growth factor-binding proteins in liver of ovariectomized rats. *British Journal of Nutrition*, **1998**, 79, 447-53	3.6	6
3	Effect of protein restriction on the messenger RNA contents of bone-matrix proteins, insulin-like growth factors and insulin-like growth factor binding proteins in femur of ovariectomized rats. *British Journal of Nutrition*, **1996**, 75, 811-23	3.6	14
2	Production of insulin-like growth factors and their binding proteins in primary cultures of rat liver parenchymal and nonparenchymal cells. *Bioscience, Biotechnology and Biochemistry*, **1995**, 59, 1503-15	2.1	16
1	Thyrotropin potentiation of insulin-like growth factor-I dependent deoxribonucleic acid synthesis in FRTL-5 cells: mediation by an autocrine amplification factor(s). *Endocrinology*, **1990**, 126, 736-45	4.8	81