Tetsuya Adachi

List of Publications by Year
in descending order

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65	4,322	172386 29	106281 65
papers	citations	h-index	g-index

65	65	65	5426
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Free fatty acids regulate gut incretin glucagon-like peptide-1 secretion through GPR120. Nature Medicine, 2005, 11, 90-94.	15.2	1,298
2	Free fatty acids induce cholecystokinin secretion through GPR120. Naunyn-Schmiedeberg's Archives of Pharmacology, 2008, 377, 523-527.	1.4	230
3	The regulation of adipogenesis through GPR120. Biochemical and Biophysical Research Communications, 2007, 354, 591-597.	1.0	220
4	Effect of UV screens and preservatives on vitellogenin and choriogenin production in male medaka (Oryzias latipes). Toxicology, 2003, 194, 43-50.	2.0	175
5	Hepatitis C Virus Infection Induces Apoptosis through a Bax-Triggered, Mitochondrion-Mediated, Caspase 3-Dependent Pathway. Journal of Virology, 2008, 82, 10375-10385.	1.5	150
6	V1a vasopressin receptors maintain normal blood pressure by regulating circulating blood volume and baroreflex sensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7807-7812.	3.3	149
7	Bisphenol A affects glucose transport in mouse 3T3-F442A adipocytes. British Journal of Pharmacology, 2004, 141, 209-214.	2.7	145
8	Free Fatty Acid Receptors and Drug Discovery. Biological and Pharmaceutical Bulletin, 2008, 31, 1847-1851.	0.6	134
9	Novel selective ligands for free fatty acid receptors GPR120 and GPR40. Naunyn-Schmiedeberg's Archives of Pharmacology, 2009, 380, 247-255.	1.4	123
10	Antioxidant Î±-tocopherol ameliorates glycemic control of GK rats, a model of type 2 diabetes. FEBS Letters, 2000, 473, 24-26.	1.3	110
11	Cloning and characterization of the rat free fatty acid receptor GPR120: in vivo effect of the natural ligand on GLP-1 secretion and proliferation of pancreatic Î² cells. Naunyn-Schmiedeberg's Archives of Pharmacology, 2008, 377, 515-522.	1.4	104
12	Structure-Activity Relationships of GPR120 Agonists Based on a Docking Simulation. Molecular Pharmacology, 2010, 78, 804-810.	1.0	88
13	Inhibition of protein kinase CK2 prevents the progression of glomerulonephritis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7736-7741.	3.3	82
14	T-1095, a renal Na+-glucose transporter inhibitor, improves hyperglycemia in streptozotocin-induced diabetic rats. Metabolism: Clinical and Experimental, 2000, 49, 990-995.	1.5	74
15	Morphological Changes and Increased Sucrase and Isomaltase Activity in Small Intestines of Insulin-Deficient and Type 2 Diabetic Rats. Endocrine Journal, 2003, 50, 271-279.	0.7	74
16	HCV replication suppresses cellular glucose uptake through down-regulation of cell surface expression of glucose transporters. Journal of Hepatology, 2009, 50, 883-894.	1.8	70
17	Promoting insulin secretion in pancreatic islets by means of bisphenol A and nonylphenol via intracellular estrogen receptors. Food and Chemical Toxicology, 2005, 43, 713-719.	1.8	62
18	Long-term alteration of gene expression without morphological change in testis after neonatal exposure to genistein in mice: toxicogenomic analysis using cDNA microarray. Food and Chemical Toxicology, 2004, 42, 445-452.	1.8	59

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19	Î³-tocotrienol attenuates TNF-Î±-induced changes in secretion and gene expression of MCP-1, IL-6 and adiponectin in 3T3-L1 adipocytes. Molecular Medicine Reports, 2012, 5, 905-909.	1.1	48
20	Efficient production of infectious hepatitis C virus with adaptive mutations in cultured hepatoma cells. Journal of General Virology, 2009, 90, 1681-1691.	1.3	46
21	Neonatal Exposure to Genistein Reduces Expression of Estrogen Receptor Alpha and Androgen Receptor in Testes of Adult Mice.. Endocrine Journal, 2001, 48, 655-663.	0.7	42
22	Free fatty acids administered into the colon promote the secretion of glucagon-like peptide-1 and insulin. Biochemical and Biophysical Research Communications, 2006, 340, 332-337.	1.0	38
23	The Association between Trp⁶⁴Arg Polymorphism of the Î²₃-Adrenergic Receptor and Autonomic Nervous System Activity¹. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 1623-1627.	1.8	37
24	Effects of hyperbaric exposure with high oxygen concentration on glucose and insulin levels and skeletal muscle-fiber properties in diabetic rats. Muscle and Nerve, 2007, 35, 337-343.	1.0	36
25	The MH1 Domains of Smad2 and Smad3 Are Involved in the Regulation of the ALK7 Signals. Biochemical and Biophysical Research Communications, 1999, 254, 707-712.	1.0	35
26	Gene expression analysis of the rat testis after treatment with di(2-ethylhexyl) phthalate using cDNA microarray and real-time RT-PCR. Toxicology and Applied Pharmacology, 2004, 200, 103-110.	1.3	31
27	Effects of Sulfasalazine on Sperm Acrosome Reaction and Gene Expression in the Male Reproductive Organs of Rats. Toxicological Sciences, 2005, 85, 675-682.	1.4	31
28	Fibre type distribution and gene expression levels of both succinate dehydrogenase and peroxisome proliferator-activated receptor-Î³ coactivator-1Î± of fibres in the soleus muscle of Zucker diabetic fatty rats. Experimental Physiology, 2007, 92, 449-455.	0.9	30
29	GLUCOSE REGULATION OF DIPEPTIDYL PEPTIDASE IV GENE EXPRESSION IS MEDIATED BY HEPATOCYTE NUCLEAR FACTORâ€1Î± IN EPITHELIAL INTESTINAL CELLS. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 1433-1439.	0.9	30
30	Growth-Related Changes in Skeletal Muscle Fiber Type and Insulin Resistance in Diabetic Otsuka Long-Evans Tokushima Fatty Rats.. Acta Histochemica Et Cytochemica, 2001, 34, 371-382.	0.8	30
31	Antihyperglycemic Effect of T-1095 via Inhibition of Renal Na+-Glucose Cotransporters in Streptozotocin-Induced Diabetic Rats.. Biological and Pharmaceutical Bulletin, 2000, 23, 1434-1437.	0.6	29
32	Wortmannin, a PI3-Kinase Inhibitor: Promoting Effect on Insulin Secretion from Pancreatic Î² Cells through a cAMP-Dependent Pathway. Biochemical and Biophysical Research Communications, 2000, 270, 798-805.	1.0	29
33	Effect of Exposure to High Isoflavone-Containing Diets on Prenatal and Postnatal Offspring Mice. Bioscience, Biotechnology and Biochemistry, 2006, 70, 2874-2882.	0.6	29
34	Adrenergic receptor polymorphisms and autonomic nervous system function in human obesity. Trends in Endocrinology and Metabolism, 2006, 17, 269-275.	3.1	29
35	Beneficial Effect Of T-1095, A Selective Inhibitor Of Renal Na+-Glucose Cotransporters, On Metabolic Index And Insulin Secretion In Spontaneously Diabetic Gk Rats. Clinical and Experimental Pharmacology and Physiology, 2002, 29, 386-390.	0.9	27
36	Toxicogenomic difference between diethylstilbestrol and 17?-estradiol in mouse testicular gene expression by neonatal exposure. Molecular Reproduction and Development, 2004, 67, 19-25.	1.0	25

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37	S-Equol Enantioselectively Activates cAMP-Protein Kinase A Signaling and Reduces Alloxan-Induced Cell Death in INS-1 Pancreatic ^|^beta;-Cells. Journal of Nutritional Science and Vitaminology, 2014, 60, 291-296.	0.2	23
38	Nisoldipine improves the impaired erythrocyte deformability correlating with elevated intracellular free calciumâ€ion concentration and poor glycaemic control in NIDDM. British Journal of Clinical Pharmacology, 1999, 47, 499-506.	1.1	22
39	Correction of Hyperglycemia and Insulin Sensitivity by T-1095, an Inhibitor of Renal Na+-Glucose Cotransporters, in Streptozotocin-Induced Diabetic Rats. The Japanese Journal of Pharmacology, 2000, 84, 351-354.	1.2	21
40	Genetic Variation in the Renin-Angiotensin System and Autonomic Nervous System Function in Young Healthy Japanese Subjects. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4676-4681.	1.8	21
41	Association of Î²-adrenoceptor polymorphisms with cardiac autonomic modulation in Japanese males. American Heart Journal, 2007, 154, 759-766.	1.2	21
42	Association of UCP2 and UCP3 polymorphisms with heart rate variability in Japanese men. Journal of Hypertension, 2009, 27, 305-313.	0.3	21
43	Toxicogenomic effects of neonatal exposure to diethylstilbestrol on mouse testicular gene expression in the long term: A study using cDNA microarray analysis. Molecular Reproduction and Development, 2002, 63, 17-23.	1.0	19
44	Androgen Receptor Silences Thioredoxin-interacting Protein and Competitively Inhibits Glucocorticoid Receptor-Mediated Apoptosis in Pancreatic Î²-Cells. Journal of Cellular Biochemistry, 2015, 116, 998-1006.	1.2	19
45	Association of increased type I collagen expression and relative stromal overgrowth in mouse epididymis neonatally exposed to diethylstilbestrol. Molecular Reproduction and Development, 2005, 72, 291-298.	1.0	18
46	Comprehensive analysis of the effect of phytoestrogen, daidzein, on a testicular cell line, using mRNA and protein expression profile. Food and Chemical Toxicology, 2005, 43, 529-535.	1.8	17
47	Identification and Characterization of Novel and Unknown Mouse Epididymis-Specific Genes by Complementary DNA Microarray Technology1. Biology of Reproduction, 2006, 75, 462-468.	1.2	16
48	HNF-1Î± participates in glucose regulation of sucraseâ€“isomaltase gene expression in epithelial intestinal cells. Biochemical and Biophysical Research Communications, 2007, 353, 617-622.	1.0	13
49	Intrinsic left atrial histoanatomy as the basis for reentrant excitation causing atrial fibrillation/flutter in rats. Heart Rhythm, 2013, 10, 1342-1348.	0.3	13
50	Identification of Endocrine Disruptor Biodegradation by Integration of Structureâ€“activity Relationship with Pathway Analysis. Environmental Science & Technology, 2007, 41, 7997-8003.	4.6	12
51	Alpha-adrenoceptor gene variants and autonomic nervous system function in a young healthy Japanese population. Journal of Human Genetics, 2007, 52, 28-37.	1.1	12
52	Sucrase-Isomaltase Gene Expression Is Inhibited by Mutant Hepatocyte Nuclear Factor (HNF)-1.ALPHA. and Mutant HNF-1.BETA. in Caco-2 Cells. Journal of Nutritional Science and Vitaminology, 2006, 52, 105-112.	0.2	11
53	Hyperoxia reverses glucotoxicity-induced inhibition of insulin secretion in rat INS-1 Î² cells. Bioscience, Biotechnology and Biochemistry, 2014, 78, 843-850.	0.6	10
54	ADAM7 (a disintegrin and metalloprotease 7) mRNA is suppressed in mouse epididymis by neonatal exposure to Diethylstilbestrol. Molecular Reproduction and Development, 2003, 64, 414-421.	1.0	9

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55	Effect of mutations in HNF-1Î± and HNF-1Î² on the transcriptional regulation of human sucraseâ€“isomaltase in Caco-2 cells. Biochemical and Biophysical Research Communications, 2004, 325, 308-313.	1.0	9
56	Cobalamin deficiency results in an abnormal increase inl-methylmalonyl-co-enzyme-A mutase expression in rat liver and COS-7 cells. British Journal of Nutrition, 2009, 101, 492-498.	1.2	9
57	Disordered expression of the sucraseâ€“isomaltase complex in the small intestine in Otsuka Longâ€“Evans Tokushima fatty rats, a model of non-insulin-dependent diabetes mellitus with insulin resistance. Biochimica Et Biophysica Acta - General Subjects, 1999, 1426, 126-132.	1.1	8
58	Effect of neonatal exposure to diethylstilbestrol on testicular gene expression in adult mouse: comprehensive analysis with cDNA subtraction method. Journal of Developmental and Physical Disabilities, 2004, 27, 115-122.	3.6	8
59	Mutant HNF-1Î± and mutant HNF-1Î² identified in MODY3 and MODY5 downregulate DPP-IV gene expression in Caco-2 cells. Biochemical and Biophysical Research Communications, 2006, 346, 1016-1023.	1.0	7
60	Abnormal Increase in the Expression Level of Proliferating Cell Nuclear Antigen (PCNA) in the Liver and Hepatic Injury in Rats with Dietary Cobalamin Deficiency. Journal of Nutritional Science and Vitaminology, 2006, 52, 168-173.	0.2	6
61	Administration of Perilla Oil Coated with Calshell Increases Glucagon-Like Peptide Secretion. Biological and Pharmaceutical Bulletin, 2008, 31, 1021-1023.	0.6	6
62	Pharmacogenomics of Cardiovascular Pharmacology: Development of an Informatics System for Analysis of DNA Microarray Data With a Focus on Lipid Metabolism. Journal of Pharmacological Sciences, 2008, 107, 1-7.	1.1	6
63	Association of estrogen receptor-Î± gene polymorphisms with cardiac autonomic nervous activity in healthy young Japanese males. Clinica Chimica Acta, 2010, 411, 505-509.	0.5	6
64	Percoll fractionation of adult mouse spermatogonia improves germ cell transplantation. Asian Journal of Andrology, 2004, 6, 93-8.	0.8	6
65	Neonatal administration of diethylstilbestrol has adverse effects on somatic cells rather than germ cells. Reproductive Toxicology, 2006, 22, 746-753.	1.3	4