Nobuyuki Takahashi

List of Publications by Year in Descending Order

143 papers	6,348 citations	42 h-index	76 g-index
147 ext. papers	6,955 ext. citations	4.1 avg, IF	5.2 L-index

#	Paper	IF	Citations
143	Erucin inhibits osteoclast formation via suppressing cell-cell fusion molecule DC-STAMP without influencing mineralization by osteoblasts.. *BMC Research Notes*, **2022**, 15, 105	2.3	0
142	Upregulation and stabilization of senescence marker protein-30 by epigallocatechin gallate against -butyl hydroperoxide-induced liver injury and. *Journal of Clinical Biochemistry and Nutrition*, **2021**, 68, 51-57	3.1	1
141	[Review] Crystal Structure Analysis of Amylase/Saccharide Complexes Measured at Different pH and Room Temperature.. *Bulletin of Applied Glycoscience*, **2021**, 11, 79-86	0.1	
140	Iron deficiency negatively regulates protein methylation via the downregulation of protein arginine methyltransferase. *Heliyon*, **2020**, 6, e05059	3.6	1
139	Cryptoxanthin Induces UCP-1 Expression via a RAR Pathway in Adipose Tissue. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 10595-10603	5.7	10
138	A new mouse model for noninvasive fluorescence-based monitoring of mitochondrial UCP1 expression. *FEBS Letters*, **2019**, 593, 1201-1212	3.8	3
137	Modulation of Cell Adhesion and Differentiation on Collagen Gels by the Addition of the Ovalbumin Secretory Signal Peptide. *ACS Biomaterials Science and Engineering*, **2019**, 5, 5698-5704	5.5	2
136	High-resolution crystal structures of the glycoside hydrolase family 45 endoglucanase EG27II from the snail Ampullaria crossean. *Acta Crystallographica Section D: Structural Biology*, **2019**, 75, 426-436	5.5	4
135	Relationship between the induced-fit loop and the activity of Klebsiella pneumoniae pullulanase. *Acta Crystallographica Section D: Structural Biology*, **2019**, 75, 792-803	5.5	1
134	Food-Derived Compounds Apigenin and Luteolin Modulate mRNA Splicing of Introns with Weak Splice Sites. *IScience*, **2019**, 22, 336-352	6.1	6
133	Down-regulation of senescence marker protein 30 by iron-specific chelator deferoxamine drives cell senescence. *Bioscience, Biotechnology and Biochemistry*, **2018**, 82, 900-903	2.1	5
132	A Phytol-Enriched Diet Activates PPAR- in the Liver and Brown Adipose Tissue to Ameliorate Obesity-Induced Metabolic Abnormalities. *Molecular Nutrition and Food Research*, **2018**, 62, e1700688	5.9	14
131	-Linolenic acid-derived metabolites from gut lactic acid bacteria induce differentiation of anti-inflammatory M2 macrophages through G protein-coupled receptor 40. *FASEB Journal*, **2018**, 32, 304-318	0.9	41
130	The dipeptidyl peptidase-4 (DPP-4) inhibitor teneligliptin enhances brown adipose tissue function, thereby preventing obesity in mice. *FEBS Open Bio*, **2018**, 8, 1782-1793	2.7	6
129	Elucidation of the mechanism of interaction between Klebsiella pneumoniae pullulanase and cyclodextrin. *Acta Crystallographica Section D: Structural Biology*, **2018**, 74, 1115-1123	5.5	8
128	Sulforaphene attenuates multinucleation of pre-osteoclasts by suppressing expression of cell-cell fusion-associated genes DC-STAMP, OC-STAMP, and Atp6v0d2. *Bioscience, Biotechnology and Biochemistry*, **2017**, 81, 1220-1223	2.1	8
127	The hepatokine FGF21 is crucial for peroxisome proliferator-activated receptor- agonist-induced amelioration of metabolic disorders in obese mice. *Journal of Biological Chemistry*, **2017**, 292, 9175-9190	5.4	36

126	Feasible protein aggregation of phosphorylated poly-γ-glutamic acid derivative from Bacillus subtilis (natto). *International Journal of Biological Macromolecules*, **2017**, 103, 484-492	7.9	1
125	Synthesized enone fatty acids resembling metabolites from gut microbiota suppress macrophage-mediated inflammation in adipocytes. *Molecular Nutrition and Food Research*, **2017**, 61, 1700064	5.9	23
124	Suksdorfin Promotes Adipocyte Differentiation and Improves Abnormalities in Glucose Metabolism via PPARγ Activation. *Lipids*, **2017**, 52, 657-664	1.6	6
123	Sulforaphane inhibits osteoclast differentiation by suppressing the cell-cell fusion molecules DC-STAMP and OC-STAMP. *Biochemical and Biophysical Research Communications*, **2017**, 483, 718-724	3.4	12
122	Iron deficiency induces autophagy and activates Nrf2 signal through modulating p62/SQSTM. *Biomedical Research*, **2017**, 38, 343-350	1.5	17
121	Extracts of black and brown rice powders improve hepatic lipid accumulation via the activation of PPARα in obese and diabetic model mice. *Bioscience, Biotechnology and Biochemistry*, **2017**, 81, 2209-2211	2.1	5
120	l-Ornithine and l-lysine stimulate gastrointestinal motility via transient receptor potential vanilloid 1. *Molecular Nutrition and Food Research*, **2017**, 61, 1700230	5.9	3
119	10-oxo-12()-octadecenoic acid, a linoleic acid metabolite produced by gut lactic acid bacteria, enhances energy metabolism by activation of TRPV1. *FASEB Journal*, **2017**, 31, 5036-5048	0.9	45
118	Role of the Tyr270 residue in 2-methyl-3-hydroxypyridine-5-carboxylic acid oxygenase from Mesorhizobium loti. *Journal of Bioscience and Bioengineering*, **2017**, 123, 154-162	3.3	5
117	Geranylgeranyl pyrophosphate performs as an endogenous regulator of adipocyte function via suppressing the LXR pathway. *Biochemical and Biophysical Research Communications*, **2016**, 478, 1317-22	3.4	7
116	Xanthoangelol and 4-hydroxyderrcin suppress obesity-induced inflammatory responses. *Obesity*, **2016**, 24, 2351-2360	8	18
115	Activation of TRPV2 negatively regulates the differentiation of mouse brown adipocytes. *Pflugers Archiv European Journal of Physiology*, **2016**, 468, 1527-40	4.6	29
114	Lack of TRPV2 impairs thermogenesis in mouse brown adipose tissue. *EMBO Reports*, **2016**, 17, 383-99	6.5	51
113	Proinflammatory cytokine interleukin-1β suppresses cold-induced thermogenesis in adipocytes. *Cytokine*, **2016**, 77, 107-14	4	66
112	Food Intake and Thermogenesis in Adipose Tissue. *The Korean Journal of Obesity*, **2016**, 25, 109-114		1
111	A combination of soy isoflavones and cello-oligosaccharides changes equol/O-desmethylangolensin production ratio and attenuates bone fragility in ovariectomized mice. *Bioscience, Biotechnology and Biochemistry*, **2016**, 80, 1632-5	2.1	11
110	Macrophage infiltration into obese adipose tissues suppresses the induction of UCP1 level in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 310, E676-E687	6	78
109	4-Hydroxyderricin, as a PPARγ Agonist, Promotes Adipogenesis, Adiponectin Secretion, and Glucose Uptake in 3T3-L1 Cells. *Lipids*, **2016**, 51, 787-95	1.6	18

108	Transition of serine residues to the D-form during the conversion of ovalbumin into heat stable S-ovalbumin. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 116, 145-9	3.5	10
107	10-oxo-12(Z)-octadecenoic acid, a linoleic acid metabolite produced by gut lactic acid bacteria, potently activates PPARδ and stimulates adipogenesis. *Biochemical and Biophysical Research Communications*, **2015**, 459, 597-603	3.4	41
106	Gut Microbial Fatty Acid Metabolites Reduce Triacylglycerol Levels in Hepatocytes. *Lipids*, **2015**, 50, 1093-102	1.6	23
105	9-Oxo-10(E),12(Z),15(Z)-Octadecatrienoic Acid Activates Peroxisome Proliferator-Activated Receptor δ in Hepatocytes. *Lipids*, **2015**, 50, 1083-91	1.6	12
104	13-Oxo-9(Z),11(E),15(Z)-octadecatrienoic acid activates peroxisome proliferator-activated receptor δ in adipocytes. *Lipids*, **2015**, 50, 3-12	1.6	14
103	Fish oil intake induces UCP1 upregulation in brown and white adipose tissue via the sympathetic nervous system. *Scientific Reports*, **2015**, 5, 18013	4.9	108
102	An Efficient Purification Method for Quantitative Determinations of Protodioscin, Dioscin and Diosgenin in Plasma of Fenugreek-Fed Mice. *Journal of Nutritional Science and Vitaminology*, **2015**, 61, 465-70	1.1	5
101	Food Components Modulate Obesity and Energy Metabolism via the Transcriptional Regulation of Lipid-Sensing Nuclear Receptors. *Journal of Nutritional Science and Vitaminology*, **2015**, 61 Suppl, S128-30	1.1	2
100	Metabolomics reveal 1-palmitoyl lysophosphatidylcholine production by peroxisome proliferator-activated receptor δ. *Journal of Lipid Research*, **2015**, 56, 254-65	6.3	28
99	Tomato extract suppresses the production of proinflammatory mediators induced by interaction between adipocytes and macrophages. *Bioscience, Biotechnology and Biochemistry*, **2015**, 79, 82-7	2.1	8
98	Dietary factors evoke thermogenesis in adipose tissues. *Obesity Research and Clinical Practice*, **2014**, 8, e533-9	5.4	11
97	Plasma metabolites of dietary flavonoids after combination meal consumption with onion and tofu in humans. *Molecular Nutrition and Food Research*, **2014**, 58, 310-7	5.9	19
96	Phenolic compounds from leaves of Casimiroa edulis showed adipogenesis activity. *Bioscience, Biotechnology and Biochemistry*, **2014**, 78, 296-300	2.1	11
95	Involvement of mast cells in adipose tissue fibrosis. *American Journal of Physiology - Endocrinology and Metabolism*, **2014**, 306, E247-55	6	39
94	Yamogenin in fenugreek inhibits lipid accumulation through the suppression of gene expression in fatty acid synthesis in hepatocytes. *Bioscience, Biotechnology and Biochemistry*, **2014**, 78, 1231-6	2.1	9
93	Localization of 9- and 13-oxo-octadecadienoic acids in tomato fruit. *Bioscience, Biotechnology and Biochemistry*, **2014**, 78, 1761-4	2.1	3
92	Theobromine enhances absorption of cacao polyphenol in rats. *Bioscience, Biotechnology and Biochemistry*, **2014**, 78, 2059-63	2.1	10
91	Structure of 4-pyridoxolactonase from Mesorhizobium loti. *Acta Crystallographica Section F, Structural Biology Communications*, **2014**, 70, 424-32	1.1	

90	Taurine improves obesity-induced inflammatory responses and modulates the unbalanced phenotype of adipose tissue macrophages. *Molecular Nutrition and Food Research*, **2013**, 57, 2155-65	5.9	44
89	Loss of claudins 2 and 15 from mice causes defects in paracellular Na+ flow and nutrient transport in gut and leads to death from malnutrition. *Gastroenterology*, **2013**, 144, 369-380	13.3	120
88	Dill seed extract improves abnormalities in lipid metabolism through peroxisome proliferator-activated receptor-(PPAR- activation in diabetic obese mice. *Molecular Nutrition and Food Research*, **2013**, 57, 1295-9	5.9	9
87	Long-chain free fatty acid profiling analysis by liquid chromatography-mass spectrometry in mouse treated with peroxisome proliferator-activated receptor gonist. *Bioscience, Biotechnology and Biochemistry*, **2013**, 77, 2288-93	2.1	16
86	Inflammation induced by RAW macrophages suppresses UCP1 mRNA induction via ERK activation in 10T1/2 adipocytes. *American Journal of Physiology - Cell Physiology*, **2013**, 304, C729-38	5.4	90
85	Natural compounds regulate energy metabolism by the modulating the activity of lipid-sensing nuclear receptors. *Molecular Nutrition and Food Research*, **2013**, 57, 20-33	5.9	40
84	Activation of peroxisome proliferator-activated receptor-(PPAR in proximal intestine improves postprandial lipidemia in obese diabetic KK-Ay mice. *Obesity Research and Clinical Practice*, **2013**, 7, e353-60	5.4	8
83	DHA attenuates postprandial hyperlipidemia via activating PPAR in intestinal epithelial cells. *Journal of Lipid Research*, **2013**, 54, 3258-68	6.3	32
82	Auraptene suppresses inflammatory responses in activated RAW264 macrophages by inhibiting p38 mitogen-activated protein kinase activation. *Molecular Nutrition and Food Research*, **2013**, 57, 1135-44	5.9	18
81	Mangostin from Garcinia mangostana pericarps as a dual agonist that activates Both PPAR and PPAR *Bioscience, Biotechnology and Biochemistry*, **2013**, 77, 2430-5	2.1	17
80	Evaluation of canine T-cell dependent antibody response to the primary and secondary immunization with keyhole limpet hemocyanin. *Journal of Toxicological Sciences*, **2013**, 38, 571-9	1.9	10
79	Tiliroside, a glycosidic flavonoid, ameliorates obesity-induced metabolic disorders via activation of adiponectin signaling followed by enhancement of fatty acid oxidation in liver and skeletal muscle in obese-diabetic mice. *Journal of Nutritional Biochemistry*, **2012**, 23, 768-76	6.3	79
78	Bixin activates PPAR and improves obesity-induced abnormalities of carbohydrate and lipid metabolism in mice. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 11952-8	5.7	32
77	Soymorphin-5, a soy-derived opioid peptide, decreases glucose and triglyceride levels through activating adiponectin and PPAR systems in diabetic KKAy mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2012**, 302, E433-40	6	53
76	Potent PPAR activator derived from tomato juice, 13-oxo-9,11-octadecadienoic acid, decreases plasma and hepatic triglyceride in obese diabetic mice. *PLoS ONE*, **2012**, 7, e31317	3.7	55
75	The apoptotic volume decrease is an upstream event of MAP kinase activation during Staurosporine-induced apoptosis in HeLa cells. *International Journal of Molecular Sciences*, **2012**, 13, 9363-79	6.3	21
74	Triiodothyronine induces UCP-1 expression and mitochondrial biogenesis in human adipocytes. *American Journal of Physiology - Cell Physiology*, **2012**, 302, C463-72	5.4	120
73	Cardiac natriuretic peptides act via p38 MAPK to induce the brown fat thermogenic program in mouse and human adipocytes. *Journal of Clinical Investigation*, **2012**, 122, 1022-36	15.9	610

72	Diosgenin, the main aglycon of fenugreek, inhibits LXR□activity in HepG2 cells and decreases plasma and hepatic triglycerides in obese diabetic mice. *Journal of Nutrition*, **2011**, 141, 17-23	4.1	95
71	Brazilian propolis-derived components inhibit TNF-□mediated downregulation of adiponectin expression via different mechanisms in 3T3-L1 adipocytes. *Biochimica Et Biophysica Acta - General Subjects*, **2011**, 1810, 695-703	4	24
70	Activation of peroxisome proliferator-activated receptor-□enhances fatty acid oxidation in human adipocytes. *Biochemical and Biophysical Research Communications*, **2011**, 407, 818-22	3.4	35
69	Activation of peroxisome proliferator-activated receptor-□(PPAR□suppresses postprandial lipidemia through fatty acid oxidation in enterocytes. *Biochemical and Biophysical Research Communications*, **2011**, 410, 1-6	3.4	48
68	Farnesyl pyrophosphate regulates adipocyte functions as an endogenous PPAR□agonist. *Biochemical Journal*, **2011**, 438, 111-9	3.8	43
67	Dehydroabietic acid activates peroxisome proliferator-activated receptor-□and stimulates insulin-dependent glucose uptake into 3T3-L1 adipocytes. *BioFactors*, **2011**, 37, 309-14	6.1	11
66	9-oxo-10(E),12(E)-Octadecadienoic acid derived from tomato is a potent PPAR □agonist to decrease triglyceride accumulation in mouse primary hepatocytes. *Molecular Nutrition and Food Research*, **2011**, 55, 585-93	5.9	44
65	Auraptene regulates gene expression involved in lipid metabolism through PPAR□activation in diabetic obese mice. *Molecular Nutrition and Food Research*, **2011**, 55, 1791-7	5.9	32
64	A method for the simultaneous determination of 3T3-L1 adipocyte metabolites by liquid chromatography/mass spectrometry using [(13)C]-stable isotopes. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 1485-9	2.1	5
63	Comparative and stability analyses of 9- and 13-Oxo-octadecadienoic acids in various species of tomato. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 1621-4	2.1	14
62	Development of a novel PPAR□ligand screening system using pinpoint fluorescence-probed protein. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 337-41	2.1	8
61	An in vitro analysis system using a fluorescence protein reporter for evaluating anti-inflammatory effects in macrophages. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 1582-7	2.1	2
60	Activation of peroxisome proliferator-activated receptor-alpha stimulates both differentiation and fatty acid oxidation in adipocytes. *Journal of Lipid Research*, **2011**, 52, 873-84	6.3	147
59	Crystal structures of protein glutaminase and its pro forms converted into enzyme-substrate complex. *Journal of Biological Chemistry*, **2011**, 286, 38691-38702	5.4	18
58	Farnesol, an isoprenoid, improves metabolic abnormalities in mice via both PPAR□dependent and -independent pathways. *American Journal of Physiology - Endocrinology and Metabolism*, **2011**, 301, E1022-32	6	41
57	Pronounced adipogenesis and increased insulin sensitivity caused by overproduction of prostaglandin D2 in vivo. *FEBS Journal*, **2010**, 277, 1410-9	5.7	40
56	Various Terpenoids Derived from Herbal and Dietary Plants Function as PPAR Modulators and Regulate Carbohydrate and Lipid Metabolism. *PPAR Research*, **2010**, 2010, 483958	4.3	95
55	Inhibition of protein kinase Akt1 by apoptosis signal-regulating kinase-1 (ASK1) is involved in apoptotic inhibition of regulatory volume increase. *Journal of Biological Chemistry*, **2010**, 285, 6109-17	5.4	27

54	Functional food targeting the regulation of obesity-induced inflammatory responses and pathologies. *Mediators of Inflammation*, **2010**, 2010, 367838	4.3	68
53	Volume-sensitive outwardly rectifying chloride channel in white adipocytes from normal and diabetic mice. *American Journal of Physiology - Cell Physiology*, **2010**, 298, C900-9	5.4	15
52	Protein-engineering study of contribution of conceivable D-serine residues to the thermostabilization of ovalbumin under alkaline conditions. *Chemistry and Biodiversity*, **2010**, 7, 1634-43	2.5	10
51	Diosgenin attenuates inflammatory changes in the interaction between adipocytes and macrophages. *Molecular Nutrition and Food Research*, **2010**, 54, 797-804	5.9	58
50	Diosgenin present in fenugreek improves glucose metabolism by promoting adipocyte differentiation and inhibiting inflammation in adipose tissues. *Molecular Nutrition and Food Research*, **2010**, 54, 1596-608	5.9	87
49	Genome science of lipid metabolism and obesity. *Forum of Nutrition*, **2009**, 61, 25-38		9
48	Activation of maxi-anion channel by protein tyrosine dephosphorylation. *American Journal of Physiology - Cell Physiology*, **2009**, 297, C990-1000	5.4	23
47	Luteolin, a food-derived flavonoid, suppresses adipocyte-dependent activation of macrophages by inhibiting JNK activation. *FEBS Letters*, **2009**, 583, 3649-54	3.8	63
46	Dehydroabietic acid, a diterpene, improves diabetes and hyperlipidemia in obese diabetic KK-Ay mice. *BioFactors*, **2009**, 35, 442-8	6.1	34
45	Bixin regulates mRNA expression involved in adipogenesis and enhances insulin sensitivity in 3T3-L1 adipocytes through PPARgamma activation. *Biochemical and Biophysical Research Communications*, **2009**, 390, 1372-6	3.4	74
44	Maxi-anion channel as a candidate pathway for osmosensitive ATP release from mouse astrocytes in primary culture. *Cell Research*, **2008**, 18, 558-65	24.7	93
43	Citrus auraptene acts as an agonist for PPARs and enhances adiponectin production and MCP-1 reduction in 3T3-L1 adipocytes. *Biochemical and Biophysical Research Communications*, **2008**, 366, 219-25	3.4	77
42	Dehydroabietic acid, a phytochemical, acts as ligand for PPARs in macrophages and adipocytes to regulate inflammation. *Biochemical and Biophysical Research Communications*, **2008**, 369, 333-8	3.4	69
41	Oxytocin receptor-deficient mice developed late-onset obesity. *NeuroReport*, **2008**, 19, 951-5	1.7	201
40	Auraptene, a citrus fruit compound, regulates gene expression as a PPARalpha agonist in HepG2 hepatocytes. *BioFactors*, **2008**, 33, 25-32	6.1	41
39	Dietary regulation of nuclear receptors in obesity-related metabolic syndrome. *Asia Pacific Journal of Clinical Nutrition*, **2008**, 17 Suppl 1, 126-30	1	7
38	Signalling events employed in the hypertonic activation of cation channels in HeLa cells. *Cellular Physiology and Biochemistry*, **2007**, 20, 75-82	3.9	8
37	Volume-sensitive chloride channels involved in apoptotic volume decrease and cell death. *Journal of Membrane Biology*, **2006**, 209, 21-9	2.3	198

36	Dysfunction of regulatory volume increase is a key component of apoptosis. *FEBS Letters*, **2006**, 580, 6513-7	3.8	60
35	Campest-5-en-3-one, an oxidized derivative of campesterol, activates PPARalpha, promotes energy consumption and reduces visceral fat deposition in rats. *Biochimica Et Biophysica Acta - General Subjects*, **2006**, 1760, 800-7	4	31
34	Fucoxanthin and its metabolite, fucoxanthinol, suppress adipocyte differentiation in 3T3-L1 cells. *International Journal of Molecular Medicine*, **2006**, 18, 147	4.4	37
33	ClC-3-independent sensitivity of apoptosis to Cl- channel blockers in mouse cardiomyocytes. *Cellular Physiology and Biochemistry*, **2005**, 15, 263-70	3.9	31
32	Thermostability of refolded ovalbumin and S-ovalbumin. *Bioscience, Biotechnology and Biochemistry* , **2005**, 69, 922-31	2.1	14
31	Dynamic mechanism for the serpin loop insertion as revealed by quantitative kinetics. *Journal of Molecular Biology*, **2005**, 348, 409-18	6.5	8
30	Double dioxygenation by mouse 8S-lipoxygenase: specific formation of a potent peroxisome proliferator-activated receptor alpha agonist. *Biochemical and Biophysical Research Communications* , **2005**, 338, 136-43	3.4	14
29	Phytol directly activates peroxisome proliferator-activated receptor alpha (PPARalpha) and regulates gene expression involved in lipid metabolism in PPARalpha-expressing HepG2 hepatocytes. *Biochemical and Biophysical Research Communications*, **2005**, 337, 440-5	3.4	82
28	HCO(3)(-)-independent rescue from apoptosis by stilbene derivatives in rat cardiomyocytes. *FEBS Letters*, **2005**, 579, 517-22	3.8	19
27	Roles of aquaporin-3 water channels in volume-regulatory water flow in a human epithelial cell line. *Journal of Membrane Biology*, **2005**, 208, 55-64	2.3	21
26	Comprehensive analysis of the ascidian genome reveals novel insights into the molecular evolution of ion channel genes. *Physiological Genomics*, **2005**, 22, 269-82	3.6	83
25	Chloride channel inhibition prevents ROS-dependent apoptosis induced by ischemia-reperfusion in mouse cardiomyocytes. *Cellular Physiology and Biochemistry*, **2005**, 16, 147-54	3.9	67
24	Expression of novel isoforms of the CIC-1 chloride channel in astrocytic glial cells in vitro. *Glia*, **2004** , 47, 46-57	9	13
23	Capsaicin inhibits the production of tumor necrosis factor alpha by LPS-stimulated murine macrophages, RAW 264.7: a PPARgamma ligand-like action as a novel mechanism. *FEBS Letters*, **2004**, 572, 266-70	3.8	69
22	Capsaicin inhibits the production of tumor necrosis factor □by LPS-stimulated murine macrophages, RAW 264.7: a PPAR□ligand-like action as a novel mechanism [FEBS Letters 572 (2004) 266□270]. *FEBS Letters*, **2004**, 575, 141-141	3.8	2
21	Anthocyanin enhances adipocytokine secretion and adipocyte-specific gene expression in isolated rat adipocytes. *Biochemical and Biophysical Research Communications*, **2004**, 316, 149-57	3.4	165
20	A forkhead transcription factor FKHR up-regulates lipoprotein lipase expression in skeletal muscle. *FEBS Letters*, **2003**, 536, 232-6	3.8	104
19	Abietic acid activates peroxisome proliferator-activated receptor-gamma (PPARgamma) in RAW264.7 macrophages and 3T3-L1 adipocytes to regulate gene expression involved in inflammation and lipid metabolism. *FEBS Letters*, **2003**, 550, 190-4	3.8	66

18	PPARgamma coactivator 1beta/ERR ligand 1 is an ERR protein ligand, whose expression induces a high-energy expenditure and antagonizes obesity. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 12378-83	11.5	297
17	Ischemia-induced enhancement of CFTR expression on the plasma membrane in neonatal rat ventricular myocytes. *The Japanese Journal of Physiology*, **2003**, 53, 357-65		10
16	Overexpression and ribozyme-mediated targeting of transcriptional coactivators CREB-binding protein and p300 revealed their indispensable roles in adipocyte differentiation through the regulation of peroxisome proliferator-activated receptor gamma. *Journal of Biological Chemistry*, **2002**, 277, 16906-12	5.4	114
15	Dual action of isoprenols from herbal medicines on both PPARgamma and PPARalpha in 3T3-L1 adipocytes and HepG2 hepatocytes. *FEBS Letters*, **2002**, 514, 315-22	3.8	177
14	Biochemical and physiological characteristics of fat cell. *Journal of Nutritional Science and Vitaminology*, **2001**, 47, 1-12	1.1	34
13	Influence of fatty alcohol and other fatty acid derivatives on fatty acid uptake into rat intestinal epithelial cells. *Lipids*, **2001**, 36, 21-6	1.6	14
12	Inhibitory effect of monoacylglycerol on fatty acid uptake into rat intestinal epithelial cells. *Bioscience, Biotechnology and Biochemistry*, **2001**, 65, 1441-3	2.1	12
11	Oleyl alcohol inhibits intestinal long-chain fatty acid absorption in rats. *Journal of Nutritional Science and Vitaminology*, **2000**, 46, 302-8	1.1	9
10	Carotenoids and retinoids as suppressors on adipocyte differentiation via nuclear receptors. *BioFactors*, **2000**, 13, 103-9	6.1	80
9	Posttranscriptional regulation of alpha-catenin expression is required for Wnt signaling in L cells. *Biochemical and Biophysical Research Communications*, **2000**, 277, 691-8	3.4	26
8	Ezrin/radixin/moesin (ERM) proteins bind to a positively charged amino acid cluster in the juxta-membrane cytoplasmic domain of CD44, CD43, and ICAM-2. *Journal of Cell Biology*, **1998**, 140, 885-95	7.3	507
7	Periplasmic secretion of functional ovotransferrin N-lobe in Escherichia coli. *Bioscience, Biotechnology and Biochemistry*, **1997**, 61, 2125-6	2.1	3
6	Estimation of stochastic model for random moving image by means of noncausal model. *Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi)*, **1996**, 79, 1-12		
5	Novel Enzymes, Maltooligosyl Trehalose Synthase and Maltooligosyl Trehalose Trehalohydrolase and Their Application to the Production of Trehalose from Starch. *Trends in Glycoscience and Glycotechnology*, **1996**, 8, 369-370	0.1	1
4	The recognition system of dietary fatty acids by the rat small intestinal cells. *Bioscience, Biotechnology and Biochemistry*, **1995**, 59, 479-81	2.1	17
3	Recognition system for dietary fatty acids in the rat small intestine. *Bioscience, Biotechnology and Biochemistry*, **1995**, 59, 1428-32	2.1	20
2	Isoprenols301-310		
1	Obesity and Nuclear Receptors: Effective Genomic Strategies in Functional Foods47-58		