

Nobuyuki Takahashi

List of Publications by Citations

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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	Cardiac natriuretic peptides act via p38 MAPK to induce the brown fat thermogenic program in mouse and human adipocytes. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1022-36	15.9	610
142	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. <i>Journal of Cell Biology</i> , 1998 , 140, 885-93	3.3	507
141	PPARgamma coactivator 1beta/ERR ligand 1 is an ERR protein ligand, whose expression induces a high-energy expenditure and antagonizes obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 12378-83	11.5	297
140	Oxytocin receptor-deficient mice developed late-onset obesity. <i>NeuroReport</i> , 2008 , 19, 951-5	1.7	201
139	Volume-sensitive chloride channels involved in apoptotic volume decrease and cell death. <i>Journal of Membrane Biology</i> , 2006 , 209, 21-9	2.3	198
138	Dual action of isoprenols from herbal medicines on both PPARgamma and PPARalpha in 3T3-L1 adipocytes and HepG2 hepatocytes. <i>FEBS Letters</i> , 2002 , 514, 315-22	3.8	177
137	Anthocyanin enhances adipocytokine secretion and adipocyte-specific gene expression in isolated rat adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 316, 149-57	3.4	165
136	Activation of peroxisome proliferator-activated receptor-alpha stimulates both differentiation and fatty acid oxidation in adipocytes. <i>Journal of Lipid Research</i> , 2011 , 52, 873-84	6.3	147
135	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. <i>Gastroenterology</i> , 2013 , 144, 369-380	13.3	120
134	Triiodothyronine induces UCP-1 expression and mitochondrial biogenesis in human adipocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 302, C463-72	5.4	120
133	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. <i>Journal of Biological Chemistry</i> , 2002 , 277, 16906-12	5.4	114
132	Fish oil intake induces UCP1 upregulation in brown and white adipose tissue via the sympathetic nervous system. <i>Scientific Reports</i> , 2015 , 5, 18013	4.9	108
131	A forkhead transcription factor FKHR up-regulates lipoprotein lipase expression in skeletal muscle. <i>FEBS Letters</i> , 2003 , 536, 232-6	3.8	104
130	Diosgenin, the main aglycon of fenugreek, inhibits LXR β activity in HepG2 cells and decreases plasma and hepatic triglycerides in obese diabetic mice. <i>Journal of Nutrition</i> , 2011 , 141, 17-23	4.1	95
129	Various Terpenoids Derived from Herbal and Dietary Plants Function as PPAR Modulators and Regulate Carbohydrate and Lipid Metabolism. <i>PPAR Research</i> , 2010 , 2010, 483958	4.3	95
128	Maxi-anion channel as a candidate pathway for osmosensitive ATP release from mouse astrocytes in primary culture. <i>Cell Research</i> , 2008 , 18, 558-65	24.7	93
127	Inflammation induced by RAW macrophages suppresses UCP1 mRNA induction via ERK activation in 10T1/2 adipocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 304, C729-38	5.4	90

126	Diosgenin present in fenugreek improves glucose metabolism by promoting adipocyte differentiation and inhibiting inflammation in adipose tissues. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 1596-608	5.9	87
125	Comprehensive analysis of the ascidian genome reveals novel insights into the molecular evolution of ion channel genes. <i>Physiological Genomics</i> , 2005 , 22, 269-82	3.6	83
124	Phytol directly activates peroxisome proliferator-activated receptor alpha (PPARalpha) and regulates gene expression involved in lipid metabolism in PPARalpha-expressing HepG2 hepatocytes. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 337, 440-5	3.4	82
123	Carotenoids and retinoids as suppressors on adipocyte differentiation via nuclear receptors. <i>BioFactors</i> , 2000 , 13, 103-9	6.1	80
122	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. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 768-76	6.3	79
121	Macrophage infiltration into obese adipose tissues suppresses the induction of UCP1 level in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E676-E687	6	78
120	Citrus auraptene acts as an agonist for PPARs and enhances adiponectin production and MCP-1 reduction in 3T3-L1 adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 366, 219-25 ³⁻⁴	3.4	77
119	Bixin regulates mRNA expression involved in adipogenesis and enhances insulin sensitivity in 3T3-L1 adipocytes through PPARgamma activation. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 390, 1372-6	3.4	74
118	Dehydroabietic acid, a phytochemical, acts as ligand for PPARs in macrophages and adipocytes to regulate inflammation. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 369, 333-8	3.4	69
117	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. <i>FEBS Letters</i> , 2004 , 572, 266-70	3.8	69
116	Functional food targeting the regulation of obesity-induced inflammatory responses and pathologies. <i>Mediators of Inflammation</i> , 2010 , 2010, 367838	4.3	68
115	Chloride channel inhibition prevents ROS-dependent apoptosis induced by ischemia-reperfusion in mouse cardiomyocytes. <i>Cellular Physiology and Biochemistry</i> , 2005 , 16, 147-54	3.9	67
114	Proinflammatory cytokine interleukin-1 β suppresses cold-induced thermogenesis in adipocytes. <i>Cytokine</i> , 2016 , 77, 107-14	4	66
113	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. <i>FEBS Letters</i> , 2003 , 550, 190-4	3.8	66
112	Luteolin, a food-derived flavonoid, suppresses adipocyte-dependent activation of macrophages by inhibiting JNK activation. <i>FEBS Letters</i> , 2009 , 583, 3649-54	3.8	63
111	Dysfunction of regulatory volume increase is a key component of apoptosis. <i>FEBS Letters</i> , 2006 , 580, 6513-7	3.8	60
110	Diosgenin attenuates inflammatory changes in the interaction between adipocytes and macrophages. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 797-804	5.9	58
109	Potent PPAR α activator derived from tomato juice, 13-oxo-9,11-octadecadienoic acid, decreases plasma and hepatic triglyceride in obese diabetic mice. <i>PLoS ONE</i> , 2012 , 7, e31317	3.7	55

108	Soymorphin-5, a soy-derived μ opioid peptide, decreases glucose and triglyceride levels through activating adiponectin and PPAR β systems in diabetic KKAY mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E433-40	6	53
107	Lack of TRPV2 impairs thermogenesis in mouse brown adipose tissue. <i>EMBO Reports</i> , 2016 , 17, 383-99	6.5	51
106	Activation of peroxisome proliferator-activated receptor- β (PPAR β) suppresses postprandial lipidemia through fatty acid oxidation in enterocytes. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 410, 1-6	3.4	48
105	10-oxo-12()-octadecenoic acid, a linoleic acid metabolite produced by gut lactic acid bacteria, enhances energy metabolism by activation of TRPV1. <i>FASEB Journal</i> , 2017 , 31, 5036-5048	0.9	45
104	Taurine improves obesity-induced inflammatory responses and modulates the unbalanced phenotype of adipose tissue macrophages. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 2155-65	5.9	44
103	9-oxo-10(E),12(E)-Octadecadienoic acid derived from tomato is a potent PPAR β agonist to decrease triglyceride accumulation in mouse primary hepatocytes. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 585-93	5.9	44
102	Farnesyl pyrophosphate regulates adipocyte functions as an endogenous PPAR β agonist. <i>Biochemical Journal</i> , 2011 , 438, 111-9	3.8	43
101	10-oxo-12(Z)-octadecenoic acid, a linoleic acid metabolite produced by gut lactic acid bacteria, potently activates PPAR β and stimulates adipogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 459, 597-603	3.4	41
100	Linolenic acid-derived metabolites from gut lactic acid bacteria induce differentiation of anti-inflammatory M2 macrophages through G protein-coupled receptor 40. <i>FASEB Journal</i> , 2018 , 32, 304-318	0.9	41
99	Farnesol, an isoprenoid, improves metabolic abnormalities in mice via both PPAR β -dependent and -independent pathways. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 301, E1022-32	6	41
98	Auraptene, a citrus fruit compound, regulates gene expression as a PPAR α agonist in HepG2 hepatocytes. <i>BioFactors</i> , 2008 , 33, 25-32	6.1	41
97	Natural compounds regulate energy metabolism by the modulating the activity of lipid-sensing nuclear receptors. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 20-33	5.9	40
96	Pronounced adipogenesis and increased insulin sensitivity caused by overproduction of prostaglandin D2 in vivo. <i>FEBS Journal</i> , 2010 , 277, 1410-9	5.7	40
95	Involvement of mast cells in adipose tissue fibrosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E247-55	6	39
94	Fucoanthin and its metabolite, fucoxanthinol, suppress adipocyte differentiation in 3T3-L1 cells. <i>International Journal of Molecular Medicine</i> , 2006 , 18, 147	4.4	37
93	The hepatokine FGF21 is crucial for peroxisome proliferator-activated receptor- β agonist-induced amelioration of metabolic disorders in obese mice. <i>Journal of Biological Chemistry</i> , 2017 , 292, 9175-9190	5.4	36
92	Activation of peroxisome proliferator-activated receptor- β enhances fatty acid oxidation in human adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 407, 818-22	3.4	35
91	Dehydroabietic acid, a diterpene, improves diabetes and hyperlipidemia in obese diabetic KK-Ay mice. <i>BioFactors</i> , 2009 , 35, 442-8	6.1	34

90	Biochemical and physiological characteristics of fat cell. <i>Journal of Nutritional Science and Vitaminology</i> , 2001 , 47, 1-12	1.1	34
89	Bixin activates PPAR δ and improves obesity-induced abnormalities of carbohydrate and lipid metabolism in mice. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 11952-8	5.7	32
88	DHA attenuates postprandial hyperlipidemia via activating PPAR δ in intestinal epithelial cells. <i>Journal of Lipid Research</i> , 2013 , 54, 3258-68	6.3	32
87	Auraptene regulates gene expression involved in lipid metabolism through PPAR δ activation in diabetic obese mice. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 1791-7	5.9	32
86	ClC-3-independent sensitivity of apoptosis to Cl ⁻ channel blockers in mouse cardiomyocytes. <i>Cellular Physiology and Biochemistry</i> , 2005 , 15, 263-70	3.9	31
85	Campesterol-5-en-3-one, an oxidized derivative of campesterol, activates PPAR α , promotes energy consumption and reduces visceral fat deposition in rats. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006 , 1760, 800-7	4	31
84	Activation of TRPV2 negatively regulates the differentiation of mouse brown adipocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 2016 , 468, 1527-40	4.6	29
83	Metabolomics reveal 1-palmitoyl lysophosphatidylcholine production by peroxisome proliferator-activated receptor δ . <i>Journal of Lipid Research</i> , 2015 , 56, 254-65	6.3	28
82	Inhibition of protein kinase Akt1 by apoptosis signal-regulating kinase-1 (ASK1) is involved in apoptotic inhibition of regulatory volume increase. <i>Journal of Biological Chemistry</i> , 2010 , 285, 6109-17	5.4	27
81	Posttranscriptional regulation of alpha-catenin expression is required for Wnt signaling in L cells. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 277, 691-8	3.4	26
80	Brazilian propolis-derived components inhibit TNF α -mediated downregulation of adiponectin expression via different mechanisms in 3T3-L1 adipocytes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011 , 1810, 695-703	4	24
79	Synthesized enone fatty acids resembling metabolites from gut microbiota suppress macrophage-mediated inflammation in adipocytes. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700064	5.0	23
78	Gut Microbial Fatty Acid Metabolites Reduce Triacylglycerol Levels in Hepatocytes. <i>Lipids</i> , 2015 , 50, 1093-102	5.6	23
77	Activation of maxi-anion channel by protein tyrosine dephosphorylation. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 297, C990-1000	5.4	23
76	The apoptotic volume decrease is an upstream event of MAP kinase activation during Staurosporine-induced apoptosis in HeLa cells. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 9363-79	6.3	21
75	Roles of aquaporin-3 water channels in volume-regulatory water flow in a human epithelial cell line. <i>Journal of Membrane Biology</i> , 2005 , 208, 55-64	2.3	21
74	Recognition system for dietary fatty acids in the rat small intestine. <i>Bioscience, Biotechnology and Biochemistry</i> , 1995 , 59, 1428-32	2.1	20
73	Plasma metabolites of dietary flavonoids after combination meal consumption with onion and tofu in humans. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 310-7	5.9	19

72	HCO(3)(-)-independent rescue from apoptosis by stilbene derivatives in rat cardiomyocytes. <i>FEBS Letters</i> , 2005 , 579, 517-22	3.8	19
71	Xanthoangelol and 4-hydroxyderrcin suppress obesity-induced inflammatory responses. <i>Obesity</i> , 2016 , 24, 2351-2360	8	18
70	Auraptene suppresses inflammatory responses in activated RAW264 macrophages by inhibiting p38 mitogen-activated protein kinase activation. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 1135-44	5.9	18
69	Crystal structures of protein glutaminase and its pro forms converted into enzyme-substrate complex. <i>Journal of Biological Chemistry</i> , 2011 , 286, 38691-38702	5.4	18
68	4-Hydroxyderricin, as a PPAR α Agonist, Promotes Adipogenesis, Adiponectin Secretion, and Glucose Uptake in 3T3-L1 Cells. <i>Lipids</i> , 2016 , 51, 787-95	1.6	18
67	Iron deficiency induces autophagy and activates Nrf2 signal through modulating p62/SQSTM. <i>Biomedical Research</i> , 2017 , 38, 343-350	1.5	17
66	ΔMangostin from <i>Garcinia mangostana</i> pericarps as a dual agonist that activates Both PPAR α and PPAR β . <i>Bioscience, Biotechnology and Biochemistry</i> , 2013 , 77, 2430-5	2.1	17
65	The recognition system of dietary fatty acids by the rat small intestinal cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 1995 , 59, 479-81	2.1	17
64	Long-chain free fatty acid profiling analysis by liquid chromatography-mass spectrometry in mouse treated with peroxisome proliferator-activated receptor α agonist. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013 , 77, 2288-93	2.1	16
63	Volume-sensitive outwardly rectifying chloride channel in white adipocytes from normal and diabetic mice. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 298, C900-9	5.4	15
62	13-Oxo-9(Z),11(E),15(Z)-octadecatrienoic acid activates peroxisome proliferator-activated receptor β in adipocytes. <i>Lipids</i> , 2015 , 50, 3-12	1.6	14
61	A Phytol-Enriched Diet Activates PPAR β in the Liver and Brown Adipose Tissue to Ameliorate Obesity-Induced Metabolic Abnormalities. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1700688	5.9	14
60	Comparative and stability analyses of 9- and 13-Oxo-octadecadienoic acids in various species of tomato. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 1621-4	2.1	14
59	Thermostability of refolded ovalbumin and S-ovalbumin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005 , 69, 922-31	2.1	14
58	Double dioxygenation by mouse 8S-lipoxygenase: specific formation of a potent peroxisome proliferator-activated receptor alpha agonist. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 136-43	3.4	14
57	Influence of fatty alcohol and other fatty acid derivatives on fatty acid uptake into rat intestinal epithelial cells. <i>Lipids</i> , 2001 , 36, 21-6	1.6	14
56	Expression of novel isoforms of the ClC-1 chloride channel in astrocytic glial cells in vitro. <i>Glia</i> , 2004 , 47, 46-57	9	13
55	Sulforaphane inhibits osteoclast differentiation by suppressing the cell-cell fusion molecules DC-STAMP and OC-STAMP. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 483, 718-724	3.4	12

54	9-Oxo-10(E),12(Z),15(Z)-Octadecatrienoic Acid Activates Peroxisome Proliferator-Activated Receptor β in Hepatocytes. <i>Lipids</i> , 2015 , 50, 1083-91	1.6	12
53	Inhibitory effect of monoacylglycerol on fatty acid uptake into rat intestinal epithelial cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001 , 65, 1441-3	2.1	12
52	Dietary factors evoke thermogenesis in adipose tissues. <i>Obesity Research and Clinical Practice</i> , 2014 , 8, e533-9	5.4	11
51	Phenolic compounds from leaves of <i>Casimiroa edulis</i> showed adipogenesis activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014 , 78, 296-300	2.1	11
50	Dehydroabiatic acid activates peroxisome proliferator-activated receptor- α and stimulates insulin-dependent glucose uptake into 3T3-L1 adipocytes. <i>BioFactors</i> , 2011 , 37, 309-14	6.1	11
49	A combination of soy isoflavones and cello-oligosaccharides changes equol/O-desmethylangolensin production ratio and attenuates bone fragility in ovariectomized mice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 1632-5	2.1	11
48	Cryptoxanthin Induces UCP-1 Expression via a RAR Pathway in Adipose Tissue. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 10595-10603	5.7	10
47	Transition of serine residues to the D-form during the conversion of ovalbumin into heat stable S-ovalbumin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 116, 145-9	3.5	10
46	Theobromine enhances absorption of cacao polyphenol in rats. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014 , 78, 2059-63	2.1	10
45	Evaluation of canine T-cell dependent antibody response to the primary and secondary immunization with keyhole limpet hemocyanin. <i>Journal of Toxicological Sciences</i> , 2013 , 38, 571-9	1.9	10
44	Protein-engineering study of contribution of conceivable D-serine residues to the thermostabilization of ovalbumin under alkaline conditions. <i>Chemistry and Biodiversity</i> , 2010 , 7, 1634-43	2.5	10
43	Ischemia-induced enhancement of CFTR expression on the plasma membrane in neonatal rat ventricular myocytes. <i>The Japanese Journal of Physiology</i> , 2003 , 53, 357-65		10
42	Yamogenin in fenugreek inhibits lipid accumulation through the suppression of gene expression in fatty acid synthesis in hepatocytes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014 , 78, 1231-6	2.1	9
41	Dill seed extract improves abnormalities in lipid metabolism through peroxisome proliferator-activated receptor- α activation in diabetic obese mice. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 1295-9	5.9	9
40	Genome science of lipid metabolism and obesity. <i>Forum of Nutrition</i> , 2009 , 61, 25-38		9
39	Oleyl alcohol inhibits intestinal long-chain fatty acid absorption in rats. <i>Journal of Nutritional Science and Vitaminology</i> , 2000 , 46, 302-8	1.1	9
38	Sulforaphene attenuates multinucleation of pre-osteoclasts by suppressing expression of cell-cell fusion-associated genes DC-STAMP, OC-STAMP, and Atp6v0d2. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017 , 81, 1220-1223	2.1	8
37	Activation of peroxisome proliferator-activated receptor- α in proximal intestine improves postprandial lipidemia in obese diabetic KK-Ay mice. <i>Obesity Research and Clinical Practice</i> , 2013 , 7, e353-60	5.4	8

36	Tomato extract suppresses the production of proinflammatory mediators induced by interaction between adipocytes and macrophages. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015 , 79, 82-7	2.1	8
35	Development of a novel PPAR α ligand screening system using pinpoint fluorescence-probed protein. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 337-41	2.1	8
34	Signalling events employed in the hypertonic activation of cation channels in HeLa cells. <i>Cellular Physiology and Biochemistry</i> , 2007 , 20, 75-82	3.9	8
33	Dynamic mechanism for the serpin loop insertion as revealed by quantitative kinetics. <i>Journal of Molecular Biology</i> , 2005 , 348, 409-18	6.5	8
32	Elucidation of the mechanism of interaction between <i>Klebsiella pneumoniae</i> pullulanase and cyclodextrin. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018 , 74, 1115-1123	5.5	8
31	Geranylgeranyl pyrophosphate performs as an endogenous regulator of adipocyte function via suppressing the LXR pathway. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 1317-22 ^{3,4}		7
30	Dietary regulation of nuclear receptors in obesity-related metabolic syndrome. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2008 , 17 Suppl 1, 126-30	1	7
29	Suksdorfin Promotes Adipocyte Differentiation and Improves Abnormalities in Glucose Metabolism via PPAR α Activation. <i>Lipids</i> , 2017 , 52, 657-664	1.6	6
28	Food-Derived Compounds Apigenin and Luteolin Modulate mRNA Splicing of Introns with Weak Splice Sites. <i>IScience</i> , 2019 , 22, 336-352	6.1	6
27	The dipeptidyl peptidase-4 (DPP-4) inhibitor teneligliptin enhances brown adipose tissue function, thereby preventing obesity in mice. <i>FEBS Open Bio</i> , 2018 , 8, 1782-1793	2.7	6
26	Down-regulation of senescence marker protein 30 by iron-specific chelator deferoxamine drives cell senescence. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018 , 82, 900-903	2.1	5
25	Extracts of black and brown rice powders improve hepatic lipid accumulation via the activation of PPAR α in obese and diabetic model mice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017 , 81, 2209-2211 ^{2,1}		5
24	Role of the Tyr270 residue in 2-methyl-3-hydroxypyridine-5-carboxylic acid oxygenase from <i>Mesorhizobium loti</i> . <i>Journal of Bioscience and Bioengineering</i> , 2017 , 123, 154-162	3.3	5
23	An Efficient Purification Method for Quantitative Determinations of Protodioscin, Dioscin and Diosgenin in Plasma of Fenugreek-Fed Mice. <i>Journal of Nutritional Science and Vitaminology</i> , 2015 , 61, 465-70	1.1	5
22	A method for the simultaneous determination of 3T3-L1 adipocyte metabolites by liquid chromatography/mass spectrometry using [(13)C]-stable isotopes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 1485-9	2.1	5
21	High-resolution crystal structures of the glycoside hydrolase family 45 endoglucanase EG27II from the snail <i>Ampullaria crosseana</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , 2019 , 75, 426-436	5.5	4
20	A new mouse model for noninvasive fluorescence-based monitoring of mitochondrial UCP1 expression. <i>FEBS Letters</i> , 2019 , 593, 1201-1212	3.8	3
19	l-Ornithine and l-lysine stimulate gastrointestinal motility via transient receptor potential vanilloid 1. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700230	5.9	3

18	Localization of 9- and 13-oxo-octadecadienoic acids in tomato fruit. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014 , 78, 1761-4	2.1	3
17	Periplasmic secretion of functional ovotransferrin N-lobe in Escherichia coli. <i>Bioscience, Biotechnology and Biochemistry</i> , 1997 , 61, 2125-6	2.1	3
16	Modulation of Cell Adhesion and Differentiation on Collagen Gels by the Addition of the Ovalbumin Secretory Signal Peptide. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 5698-5704	5.5	2
15	Food Components Modulate Obesity and Energy Metabolism via the Transcriptional Regulation of Lipid-Sensing Nuclear Receptors. <i>Journal of Nutritional Science and Vitaminology</i> , 2015 , 61 Suppl, S128-30	1.1	2
14	An in vitro analysis system using a fluorescence protein reporter for evaluating anti-inflammatory effects in macrophages. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 1582-7	2.1	2
13	Capsaicin inhibits the production of tumor necrosis factor β by LPS-stimulated murine macrophages, RAW 264.7: a PPAR γ ligand-like action as a novel mechanism [FEBS Letters 572 (2004) 266-270]. <i>FEBS Letters</i> , 2004 , 575, 141-141	3.8	2
12	Feasible protein aggregation of phosphorylated poly- γ -glutamic acid derivative from Bacillus subtilis (natto). <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 484-492	7.9	1
11	Novel Enzymes, Maltooligosyl Trehalose Synthase and Maltooligosyl Trehalose Trehalohydrolase and Their Application to the Production of Trehalose from Starch. <i>Trends in Glycoscience and Glycotechnology</i> , 1996 , 8, 369-370	0.1	1
10	Food Intake and Thermogenesis in Adipose Tissue. <i>The Korean Journal of Obesity</i> , 2016 , 25, 109-114		1
9	Iron deficiency negatively regulates protein methylation via the downregulation of protein arginine methyltransferase. <i>Heliyon</i> , 2020 , 6, e05059	3.6	1
8	Relationship between the induced-fit loop and the activity of Klebsiella pneumoniae pullulanase. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019 , 75, 792-803	5.5	1
7	Upregulation and stabilization of senescence marker protein-30 by epigallocatechin gallate against -butyl hydroperoxide-induced liver injury and. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2021 , 68, 51-57	3.1	1
6	Erucin inhibits osteoclast formation via suppressing cell-cell fusion molecule DC-STAMP without influencing mineralization by osteoblasts.. <i>BMC Research Notes</i> , 2022 , 15, 105	2.3	0
5	Structure of 4-pyridoxolactonase from Mesorhizobium loti. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 424-32	1.1	
4	Isoprenols301-310		
3	Estimation of stochastic model for random moving image by means of noncausal model. <i>Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi)</i> , 1996 , 79, 1-12		
2	[Review] Crystal Structure Analysis of α -Amylase/Saccharide Complexes Measured at Different pH and Room Temperature.. <i>Bulletin of Applied Glycoscience</i> , 2021 , 11, 79-86	0.1	
1	Obesity and Nuclear Receptors: Effective Genomic Strategies in Functional Foods47-58		

