Kye Won Park

List of Publications by Year
in descending order

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103 papers	4,283 citations	117453 34 h-index	118652 62 g-index
107 all docs	107 docs citations	107 times ranked	6481 citing authors

#	Article	IF	Citations
1	Hexane Extract of Chloranthus japonicus Increases Adipocyte Differentiation by Acting on Wnt/Î²-Catenin Signaling Pathway. Life, 2021, 11, 241.	1.1	2
2	Nrf2 induces Ucp1 expression in adipocytes in response to Î²3-AR stimulation and enhances oxygen consumption in high-fat diet-fed obese mice. BMB Reports, 2021, 54, 419-424.	1.1	13
3	Inhibitor of DNA binding 2 (Id2) mediates microtubule polymerization in the brain by regulating Î±K40 acetylation of Î±-tubulin. Cell Death Discovery, 2021, 7, 257.	2.0	6
4	A Role of Stress Sensor Nrf2 in Stimulating Thermogenesis and Energy Expenditure. Biomedicines, 2021, 9, 1196.	1.4	5
5	Oral Administration of Latilactobacillus sakei ADM14 Improves Lipid Metabolism and Fecal Microbiota Profile Associated With Metabolic Dysfunction in a High-Fat Diet Mouse Model. Frontiers in Microbiology, 2021, 12, 746601.	1.5	5
6	Butein-Enriched Fractions of Butea monosperma (Lam.) Taub. Flower Decrease Weight Gains and Increase Energy Expenditure in High-Fat Diet-Induced Obese Mice. Journal of Medicinal Food, 2021, 24, 1271-1279.	0.8	1
7	Lactobacillus sakei ADM14 Induces Anti-Obesity Effects and Changes in Gut Microbiome in High-Fat Diet-Induced Obese Mice. Nutrients, 2020, 12, 3703.	1.7	24
8	Synthesis and evaluation of butein derivatives for inÂvitro and inÂvivo inflammatory response suppression in lymphedema. European Journal of Medicinal Chemistry, 2020, 197, 112280.	2.6	5
9	Isolation of lactic acid bacteria from kimchi and screening of Lactobacillus sakei ADM14 with anti-adipogenic effect and potential probiotic properties. LWT - Food Science and Technology, 2020, 126, 109296.	2.5	43
10	Sesamol Increases Ucp1 Expression in White Adipose Tissues and Stimulates Energy Expenditure in High-Fat Diet-Fed Obese Mice. Nutrients, 2020, 12, 1459.	1.7	17
11	SIAH1 ubiquitin ligase mediates ubiquitination and degradation of Akt3 in neural development. Journal of Biological Chemistry, 2019, 294, 15435-15445.	1.6	10
12	Sulfuretin Prevents Obesity and Metabolic Diseases in Diet Induced Obese Mice. Biomolecules and Therapeutics, 2019, 27, 107-116.	1.1	15
13	Roles of ErbB3-binding protein 1 (EBP1) in embryonic development and gene-silencing control. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24852-24860.	3.3	7
14	Oxyresveratrol Increases Energy Expenditure through Foxo3a-Mediated Ucp1 Induction in High-Fat-Diet-Induced Obese Mice. International Journal of Molecular Sciences, 2019, 20, 26.	1.8	20
15	A Reciprocal Role of the Smad4-Taz Axis in Osteogenesis and Adipogenesis of Mesenchymal Stem Cells. Stem Cells, 2019, 37, 368-381.	1.4	39
16	Mechanisms underlying UCP1 dependent and independent adipocyte thermogenesis. Obesity Reviews, 2019, 20, 241-251.	3.1	71
17	Identification of Phf16 and Pnpla3 as new adipogenic factors regulated by phytochemicals. Journal of Cellular Biochemistry, 2019, 120, 3599-3610.	1.2	4
18	Understanding the functional role of genistein in the bone differentiation in mouse osteoblastic cell line MC3T3-E1 by RNA-seq analysis. Scientific Reports, 2018, 8, 3257.	1.6	21

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19	Akt regulates neurite growth by phosphorylation-dependent inhibition of radixin proteasomal degradation. Scientific Reports, 2018, 8, 2557.	1.6	12
20	Atf3 induction is a therapeutic target for obesity and metabolic diseases. Biochemical and Biophysical Research Communications, 2018, 504, 903-908.	1.0	16
21	PI3Ka-Akt1-mediated Prdm4 induction in adipose tissue increases energy expenditure, inhibits weight gain, and improves insulin resistance in diet-induced obese mice. Cell Death and Disease, 2018, 9, 876.	2.7	17
22	Therapeutic effects of hyaluronidase on acquired lymphedema using a newly developed mouse limb model. Experimental Biology and Medicine, 2017, 242, 584-592.	1.1	17
23	Sulfuretin has therapeutic activity against acquired lymphedema by reducing adipogenesis. Pharmacological Research, 2017, 121, 230-239.	3.1	16
24	Induction of thermogenic adipocytes: molecular targets and thermogenic small molecules. Experimental and Molecular Medicine, 2017, 49, e353-e353.	3.2	58
25	Phenamil, an amiloride derivative, restricts long bone growth and alters keeled-sternum bone architecture in growing chickens. Poultry Science, 2017, 96, 2471-2479.	1.5	1
26	Prdm4 induction by the small molecule butein promotes white adipose tissue browning. Nature Chemical Biology, 2016, 12, 479-481.	3.9	42
27	Phenamil enhances the adipogenic differentiation of hen preadipocytes. Cell Biology International, 2016, 40, 1123-1128.	1.4	0
28	Notch1 deficiency decreases hepatic lipid accumulation by induction of fatty acid oxidation. Scientific Reports, 2016, 6, 19377.	1.6	25
29	C-terminal domain of p42 Ebp1 is essential for down regulation of p85 subunit of PI3K, inhibiting tumor growth. Scientific Reports, 2016, 6, 30626.	1.6	8
30	B cell translocation gene 2 (Btg2) is regulated by Stat3 signaling and inhibits adipocyte differentiation. Molecular and Cellular Biochemistry, 2016, 413, 145-153.	1.4	11
31	Antiadipogenic and proosteogenic effects of luteolin, a major dietary flavone, are mediated by the induction of DnaJ (Hsp40) Homolog, Subfamily B, Member 1. Journal of Nutritional Biochemistry, 2016, 30, 24-32.	1.9	16
32	Small Molecule-Induced Complement Factor D (Adipsin) Promotes Lipid Accumulation and Adipocyte Differentiation. PLoS ONE, 2016, 11, e0162228.	1.1	76
33	Effects of Herbal Mixture Extracts Containing Angelica gigas Nakai and Cuscuta chinensis Lam. on Menopausal Symptoms in Ovariectomized Rats. Journal of the Korean Society of Food Science and Nutrition, 2016, 45, 1083-1089.	0.2	3
34	Extracts from Aralia elata (Miq) Seem alleviate hepatosteatosis via improving hepatic insulin sensitivity. BMC Complementary and Alternative Medicine, 2015, 15, 347.	3.7	32
35	Antioxidant Properties of Aqueous Extract of Roasted Hulled Barley in Bulk Oil or Oilâ€inâ€Water Emulsion Matrix. Journal of Food Science, 2015, 80, C2382-8.	1.5	12
36	miRâ€195a Inhibits Adipocyte Differentiation by Targeting the Preadipogenic Determinator Zfp423. Journal of Cellular Biochemistry, 2015, 116, 2589-2597.	1.2	18

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37	Cucurbitacin I Attenuates Cardiomyocyte Hypertrophy via Inhibition of Connective Tissue Growth Factor (CCN2) and TGF-Î²/Smads Signalings. PLoS ONE, 2015, 10, e0136236.	1.1	18
38	Fabrication, characterisation and in vitro biological activities of a sulfuretin-supplemented nanofibrous composite scaffold for tissue engineering. RSC Advances, 2015, 5, 44943-44952.	1.7	10
39	The multifaceted factor peroxisome proliferator-activated receptor Î³ (PPARÎ³) in metabolism, immunity, and cancer. Archives of Pharmacal Research, 2015, 38, 302-312.	2.7	52
40	3D-printed alginate/phenamil composite scaffolds constituted with microsized coreâ€“shell struts for hard tissue regeneration. RSC Advances, 2015, 5, 29335-29345.	1.7	9
41	Induction of apoptosis in cervical carcinoma HeLa cells by Petasites japonicus ethanol extracts. Food Science and Biotechnology, 2015, 24, 665-672.	1.2	5
42	Sulfuretin induces osteoblast differentiation through activation of TGF-Î² signaling. Molecular and Cellular Biochemistry, 2015, 410, 55-63.	1.4	9
43	Aqueous extracts of hulled barley containing coumaric acid and ferulic acid inhibit adipogenesis in vitro and obesity in vivo. Journal of Functional Foods, 2015, 12, 208-218.	1.6	55
44	Black rice (Oryza sativa L.) extracts induce osteoblast differentiation and protect against bone loss in ovariectomized rats. Food and Function, 2015, 6, 264-274.	2.1	27
45	Pinus densiflora Sieb. et Zucc. Alleviates Lipogenesis and Oxidative Stress during Oleic Acid-Induced Steatosis in HepG2 Cells. Nutrients, 2014, 6, 2956-2972.	1.7	21
46	P42 Ebp1 regulates the proteasomal degradation of the p85 regulatory subunit of PI3K by recruiting a chaperone-E3 ligase complex HSP70/CHIP. Cell Death and Disease, 2014, 5, e1131-e1131.	2.7	41
47	Prunus yedoensis Bark Inhibits Lipopolysaccharide-Induced Inflammatory Cytokine Synthesis by IºBÎ± Degradation and MAPK Activation in Macrophages. Journal of Medicinal Food, 2014, 17, 407-413.	0.8	16
48	Influence of Roasting Conditions on the Antioxidant Characteristics of Colombian Coffee (Coffea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	36
49	Suppression of PPARÎ³ through MKRN1-mediated ubiquitination and degradation prevents adipocyte differentiation. Cell Death and Differentiation, 2014, 21, 594-603.	5.0	91
50	Preserving the Legacy of Healthy Korean Food. Journal of Medicinal Food, 2014, 17, 1-5.	0.8	17
51	ATF-2/CREB/IRF-3-targeted anti-inflammatory activity of Korean red ginseng water extract. Journal of Ethnopharmacology, 2014, 154, 218-228.	2.0	49
52	Cucurbitacin B and cucurbitacin I suppress adipocyte differentiation through inhibition of STAT3 signaling. Food and Chemical Toxicology, 2014, 64, 217-224.	1.8	28
53	Evaluation of In vitro antioxidant properties of roasted hulled barley (Hordeum vulgare L.). Food Science and Biotechnology, 2014, 23, 1073-1079.	1.2	11
54	(5-Hydroxy-4-oxo-4H-pyran-2-yl)methyl 6-hydroxynaphthalene-2-carboxylate, a kojic acid derivative, inhibits inflammatory mediator production via the suppression of Syk/Src and NF-ÎºB activation. International Immunopharmacology, 2014, 20, 37-45.	1.7	21

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55	Reciprocal Regulation of Adipocyte and Osteoblast Differentiation of Mesenchymal Stem Cells by Eupatorium japonicum Prevents Bone Loss and Adiposity Increase in Osteoporotic Rats. Journal of Medicinal Food, 2014, 17, 772-781.	0.8	11
56	ANTIOXIDANT AND ANTIOBESITY ACTIVITIES OF SEED EXTRACT FROM CAMPBELL EARLY GRAPE AS A FUNCTIONAL INGREDIENT. Journal of Food Processing and Preservation, 2013, 37, 291-298.	0.9	5
57	Effects of heat treatment and visible light exposure on the oxidative stability of rice bran and of rice bran oil. Food Science and Biotechnology, 2013, 22, 1-6.	1.2	4
58	Dichloromethane extracts of Sophora japonica L. stimulate osteoblast differentiation in mesenchymal stem cells. Nutrition Research, 2013, 33, 1053-1062.	1.3	26
59	Butein is a novel anti-adipogenic compound. Journal of Lipid Research, 2013, 54, 1385-1396.	2.0	64
60	Temporal regulation of single-minded target genes in the ventral midline of the Drosophila central nervous system. Developmental Biology, 2013, 380, 335-343.	0.9	19
61	Silk proteins stimulate osteoblast differentiation by suppressing the Notch signaling pathway in mesenchymal stem cells. Nutrition Research, 2013, 33, 162-170.	1.3	50
62	Effects of visible light irradiation on the oxidative stability in rice bran. Journal of Cereal Science, 2013, 58, 178-181.	1.8	11
63	MafK positively regulates NF-Î²B activity by enhancing CBP-mediated p65 acetylation. Scientific Reports, 2013, 3, 3242.	1.6	64
64	NF-Î²B-Targeted Anti-Inflammatory Activity of Prunella vulgaris var. lilacina in Macrophages RAW 264.7. International Journal of Molecular Sciences, 2013, 14, 21489-21503.	1.8	49
65	Radical Scavenging Activity-Based and AP-1-Targeted Anti-Inflammatory Effects of Lutein in Macrophage-Like and Skin Keratinocytic Cells. Mediators of Inflammation, 2013, 2013, 1-8.	1.4	46
66	Polyphenols differentially inhibit degranulation of distinct subsets of vesicles in mast cells by specific interaction with granule-type-dependent SNARE complexes. Biochemical Journal, 2013, 450, 537-546.	1.7	26
67	Ultrasound Backscatter Microscopy Image-Guided Intraventricular Gene Delivery at Murine Embryonic Age 9.5 and 10.5 Produces Distinct Transgene Expression Patterns at the Adult Stage. Molecular Imaging, 2013, 12, 7290.2013.00067.	0.7	0
68	Molecular mechanisms of luteolin-7-O-glucoside-induced growth inhibition on human liver cancer cells: G2/M cell cycle arrest and caspase-independent apoptotic signaling pathways. BMB Reports, 2013, 46, 611-616.	1.1	39
69	Amiloride Derivative Phenamil Restricts Long Bone Growth in Broilers in Conjunction with Zinc Accumulation. FASEB Journal, 2013, 27, 1084.1.	0.2	1
70	Effects of Glycyrrhiza inflata Batal Extracts on Adipocyte and Osteoblast Differentiation. Journal of the Korean Society of Food Science and Nutrition, 2013, 42, 1015-1021.	0.2	2
71	Identification of Sedum kamtschaticum, Lythrum anceps, and Astilbe chinensis var. davidii as inhibitors of peroxisome-proliferator-activated receptor Î³ expression and lipid accumulation. Journal of the Korean Society for Applied Biological Chemistry, 2012, 55, 625-631.	0.9	0
72	Mesodermal repression of single-minded in Drosophila embryo is mediated by a cluster of Snail-binding sites proximal to the early promoter. BMB Reports, 2012, 45, 577-582.	1.1	4

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73	Among Î³-secretase substrates Notch1 alone is sufficient to block neurogenesis but does not confer self-renewal properties to neural stem cells. Biochemical and Biophysical Research Communications, 2011, 404, 133-138.	1.0	10
74	Silk peptides inhibit adipocyte differentiation through modulation of the Notch pathway in C3H10T1/2 cells. Nutrition Research, 2011, 31, 723-730.	1.3	18
75	Genistein Mediates the Anti-Adipogenic Actions of Sophora japonica L. Extracts. Journal of Medicinal Food, 2011, 14, 360-368.	0.8	18
76	Effect of silk fibroin peptide derived from silkworm Bombyx mori on the anti-inflammatory effect of Tat-SOD in a mice edema model. BMB Reports, 2011, 44, 787-792.	1.1	55
77	Effects of chronic alcohol consumption on expression levels of APP and AÎ²-producing enzymes. BMB Reports, 2011, 44, 135-139.	1.1	24
78	ZAS3 promotes TNFÎ±-induced apoptosis by blocking NFÎºB-activated expression of the anti-apoptotic genes TRAF1 and TRAF2. BMB Reports, 2011, 44, 267-272.	1.1	6
79	In vitro and in vivo anti-tumor effects of oriental herbal mixtures. Food Science and Biotechnology, 2010, 19, 1019-1027.	1.2	4
80	Further understanding of fat biology: Lessons from a fat fly. Experimental and Molecular Medicine, 2010, 42, 12.	3.2	34
81	The small molecule phenamil is a modulator of adipocyte differentiation and PPARÎ³ expression. Journal of Lipid Research, 2010, 51, 2775-2784.	2.0	34
82	Selenium attenuates AÎ² production and AÎ²-induced neuronal death. Neuroscience Letters, 2010, 469, 391-395.	1.0	47
83	The Small Molecule Phenamil Induces Osteoblast Differentiation and Mineralization. Molecular and Cellular Biology, 2009, 29, 3905-3914.	1.1	78
84	Negative Regulation of Hedgehog Signaling by Liver X Receptors. Molecular Endocrinology, 2009, 23, 1532-1543.	3.7	34
85	Diets containing Sophora japonica L. prevent weight gain in high-fat diet-induced obese mice. Nutrition Research, 2009, 29, 819-824.	1.3	31
86	Robo4 stabilizes the vascular network by inhibiting pathologic angiogenesis and endothelial hyperpermeability. Nature Medicine, 2008, 14, 448-453.	15.2	346
87	Before They Were Fat: Adipocyte Progenitors. Cell Metabolism, 2008, 8, 454-457.	7.2	142
88	Inhibitor of DNA Binding 2 Is a Small Molecule-Inducible Modulator of Peroxisome Proliferator-Activated Receptor-Î³ Expression and Adipocyte Differentiation. Molecular Endocrinology, 2008, 22, 2038-2048.	3.7	62
89	The netrin receptor UNC5B promotes angiogenesis in specific vascular beds. Development (Cambridge), 2008, 135, 659-667.	1.2	108
90	The Small Molecule Harmine Is an Antidiabetic Cell-Type-Specific Regulator of PPARÎ³ Expression. Cell Metabolism, 2007, 5, 357-370.	7.2	180

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91	Slits and Netrins in Vascular Patterning: Taking Cues from the Nervous System. , 2007, , 360-367.		0
92	Netrins Promote Developmental and Therapeutic Angiogenesis. Science, 2006, 313, 640-644.	6.0	325
93	Identification of new netrin family members in zebrafish: Developmental expression ofnetrin2andnetrin4. Developmental Dynamics, 2005, 234, 726-731.	0.8	22
94	roundabout4 is essential for angiogenesis in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6373-6378.	3.3	208
95	The axonal attractant Netrin-1 is an angiogenic factor. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16210-16215.	3.3	293
96	Altered GABAergic neurotransmission in mice lacking dopamine D2 receptors. Molecular and Cellular Neurosciences, 2004, 25, 732-741.	1.0	25
97	Robo4 is a vascular-specific receptor that inhibits endothelial migration. Developmental Biology, 2003, 261, 251-267.	0.9	301
98	Anti-proliferative effects and cell death mediated by two isoforms of dopamine D2 receptors in pituitary tumor cells. Molecular and Cellular Endocrinology, 2003, 206, 49-62.	1.6	66
99	Differential regulation of cAMP-mediated gene transcription and ligand selectivity by MC3R and MC4R melanocortin receptors. FEBS Journal, 2001, 268, 582-591.	0.2	38
100	In Vivo Determination of Substrate Specificity of Hepatitis C Virus NS3 Protease: Genetic Assay for Site-Specific Proteolysis. Analytical Biochemistry, 2000, 284, 42-48.	1.1	35
101	Molecular cloning and characterization of a protein tyrosine phosphatase enriched in testis, a putative murine homologue of human PTPMEG. Gene, 2000, 257, 45-55.	1.0	11
102	G Protein-Mediated Mitogen-Activated Protein Kinase Activation by Two Dopamine D2 Receptors. Biochemical and Biophysical Research Communications, 1999, 256, 33-40.	1.0	76
103	Cloning of the genes encoding mouse cardiac and skeletal calsequestrins: expression pattern during embryogenesis. Gene, 1998, 217, 25-30.	1.0	22