

Seung-Hoi Koo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93
papers

8,152
citations

39
h-index

90
g-index

97
ext. papers

9,144
ext. citations

10.6
avg, IF

5.67
L-index

#	Paper	IF	Citations
93	A novel role of CRTC2 in promoting nonalcoholic fatty liver disease. <i>Molecular Metabolism</i> , 2021 , 1014028.8	0	0
92	Depletion of in Adipocytes Impairs Glucose Homeostasis in Diet-Induced Obesity. <i>Diabetes</i> , 2021 , 70, 1664-1678	0.9	1
91	Liver-Specific Deletion of Mouse CTCF Leads to Hepatic Steatosis via Augmented PPAR β Signaling. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 12, 1761-1787	7.9	3
90	Prominin-1-Radixin axis controls hepatic gluconeogenesis by regulating PKA activity. <i>EMBO Reports</i> , 2020 , 21, e49416	6.5	3
89	Role of CRTC2 in Metabolic Homeostasis: Key Regulator of Whole-Body Energy Metabolism?. <i>Diabetes and Metabolism Journal</i> , 2020 , 44, 498-508	5	1
88	PRMT1 Is Required for the Maintenance of Mature β Cell Identity. <i>Diabetes</i> , 2020 , 69, 355-368	0.9	9
87	Salt-inducible kinase 1 regulates bone anabolism via the CRTC1-CREB-Id1 axis. <i>Cell Death and Disease</i> , 2019 , 10, 826	9.8	10
86	Essential Role of Protein Arginine Methyltransferase 1 in Pancreas Development by Regulating Protein Stability of Neurogenin 3. <i>Diabetes and Metabolism Journal</i> , 2019 , 43, 649-658	5	2
85	Skeletal muscle-specific Prmt1 deletion causes muscle atrophy via deregulation of the PRMT6-FOXO3 axis. <i>Autophagy</i> , 2019 , 15, 1069-1081	10.2	35
84	PDK4 Deficiency Suppresses Hepatic Glucagon Signaling by Decreasing cAMP Levels. <i>Diabetes</i> , 2018 , 67, 2054-2068	0.9	23
83	Loss of the E3 ubiquitin ligase MKRN1 represses diet-induced metabolic syndrome through AMPK activation. <i>Nature Communications</i> , 2018 , 9, 3404	17.4	34
82	CREB/CRTC2 controls GLP-1-dependent regulation of glucose homeostasis. <i>FASEB Journal</i> , 2018 , 32, 1566-1578	0.9	18
81	Cardiac specific PRMT1 ablation causes heart failure through CaMKII dysregulation. <i>Nature Communications</i> , 2018 , 9, 5107	17.4	34
80	The SMILE transcriptional corepressor inhibits cAMP response element-binding protein (CREB)-mediated transactivation of gluconeogenic genes. <i>Journal of Biological Chemistry</i> , 2018 , 293, 13125-13133	5.4	11
79	Fast food diet-induced non-alcoholic fatty liver disease exerts early protective effect against acetaminophen intoxication in mice. <i>BMC Gastroenterology</i> , 2017 , 17, 124	3	10
78	NFIL3 is a negative regulator of hepatic gluconeogenesis. <i>Metabolism: Clinical and Experimental</i> , 2017 , 77, 13-22	12.7	7
77	Hepatic Crtc2 controls whole body energy metabolism via a miR-34a-Fgf21 axis. <i>Nature Communications</i> , 2017 , 8, 1878	17.4	28

76	ROR α Induces KLF4-Mediated M2 Polarization in the Liver Macrophages that Protect against Nonalcoholic Steatohepatitis. <i>Cell Reports</i> , 2017 , 20, 124-135	10.6	82
75	Olfactory receptor 544 reduces adiposity by steering fuel preference toward fats. <i>Journal of Clinical Investigation</i> , 2017 , 127, 4118-4123	15.9	44
74	Insulin-Inducible SMILE Inhibits Hepatic Gluconeogenesis. <i>Diabetes</i> , 2016 , 65, 62-73	0.9	18
73	Metformin stimulates IGFBP-2 gene expression through PPAR α in diabetic states. <i>Scientific Reports</i> , 2016 , 6, 23665	4.9	24
72	Effect of BI-1 on insulin resistance through regulation of CYP2E1. <i>Scientific Reports</i> , 2016 , 6, 32229	4.9	10
71	Bax Inhibitor-1 regulates hepatic lipid accumulation via ApoB secretion. <i>Scientific Reports</i> , 2016 , 6, 27799	4.9	14
70	Protein arginine methylation facilitates KCNQ channel-PIP2 interaction leading to seizure suppression. <i>ELife</i> , 2016 , 5,	8.9	25
69	Regulation of glucose metabolism from a liver-centric perspective. <i>Experimental and Molecular Medicine</i> , 2016 , 48, e218	12.8	231
68	Small Molecules Facilitate Single Factor-Mediated Hepatic Reprogramming. <i>Cell Reports</i> , 2016 , 15, 814-829	10.6	51
67	Prmt7 Deficiency Causes Reduced Skeletal Muscle Oxidative Metabolism and Age-Related Obesity. <i>Diabetes</i> , 2016 , 65, 1868-82	0.9	53
66	Prdm4 induction by the small molecule butein promotes white adipose tissue browning. <i>Nature Chemical Biology</i> , 2016 , 12, 479-81	11.7	32
65	<i>Vibrio vulnificus</i> Secretes an Insulin-degrading Enzyme That Promotes Bacterial Proliferation in Vivo. <i>Journal of Biological Chemistry</i> , 2015 , 290, 18708-20	5.4	5
64	Salt-Inducible Kinase 1 Terminates cAMP Signaling by an Evolutionarily Conserved Negative-Feedback Loop in β Cells. <i>Diabetes</i> , 2015 , 64, 3189-202	0.9	24
63	Cyclic AMP Response Element-binding Protein H (CREBH) Mediates the Inhibitory Actions of Tumor Necrosis Factor α in Osteoblast Differentiation by Stimulating Smad1 Degradation. <i>Journal of Biological Chemistry</i> , 2015 , 290, 13556-66	5.4	18
62	Fibroblast growth factor 21 analogue LY2405319 lowers blood glucose in streptozotocin-induced insulin-deficient diabetic mice by restoring brown adipose tissue function. <i>Diabetes, Obesity and Metabolism</i> , 2015 , 17, 161-9	6.7	39
61	HBx induces the proliferation of hepatocellular carcinoma cells via AP1 over-expressed as a result of ER stress. <i>Biochemical Journal</i> , 2015 , 466, 115-21	3.8	23
60	Retinoic acid-related orphan receptor alpha reprograms glucose metabolism in glutamine-deficient hepatoma cells. <i>Hepatology</i> , 2015 , 61, 953-64	11.2	39
59	Overweight in mice and enhanced adipogenesis in vitro are associated with lack of the hedgehog coreceptor boc. <i>Diabetes</i> , 2015 , 64, 2092-103	0.9	13

58	Systemic autophagy insufficiency compromises adaptation to metabolic stress and facilitates progression from obesity to diabetes. <i>Nature Communications</i> , 2014 , 5, 4934	17.4	126
57	SIK2 is critical in the regulation of lipid homeostasis and adipogenesis in vivo. <i>Diabetes</i> , 2014 , 63, 3659-73.	7.9	41
56	Orphan nuclear receptor Err1 induces C-reactive protein gene expression through induction of ER-bound Bzip transmembrane transcription factor CREBH. <i>PLoS ONE</i> , 2014 , 9, e86342	3.7	16
55	Roles of protein arginine methyltransferases in the control of glucose metabolism. <i>Endocrinology and Metabolism</i> , 2014 , 29, 435-40	3.5	18
54	Arginine methylation of CRT2 is critical in the transcriptional control of hepatic glucose metabolism. <i>Science Signaling</i> , 2014 , 7, ra19	8.8	24
53	Ring finger protein20 regulates hepatic lipid metabolism through protein kinase A-dependent sterol regulatory element binding protein1c degradation. <i>Hepatology</i> , 2014 , 60, 844-57	11.2	29
52	Ursodeoxycholic acid inhibits liver X receptor mediated hepatic lipogenesis via induction of the nuclear corepressor SMILE. <i>Journal of Biological Chemistry</i> , 2014 , 289, 1079-91	5.4	31
51	PKB/Akt phosphorylation of ERR1 contributes to insulin-mediated inhibition of hepatic gluconeogenesis. <i>Diabetologia</i> , 2014 , 57, 2576-85	10.3	32
50	Inverse agonist of nuclear receptor ERR1 mediates antidiabetic effect through inhibition of hepatic gluconeogenesis. <i>Diabetes</i> , 2013 , 62, 3093-102	0.9	52
49	Transcriptional regulators of hepatic gluconeogenesis. <i>Archives of Pharmacal Research</i> , 2013 , 36, 189-200.	6.1	42
48	Estrogen-related receptor 1 controls hepatic CB1 receptor-mediated CYP2E1 expression and oxidative liver injury by alcohol. <i>Gut</i> , 2013 , 62, 1044-54	19.2	50
47	Smad6 inhibits non-canonical TGF-1 signalling by recruiting the deubiquitinase A20 to TRAF6. <i>Nature Communications</i> , 2013 , 4, 2562	17.4	74
46	CREB and FoxO1: two transcription factors for the regulation of hepatic gluconeogenesis. <i>BMB Reports</i> , 2013 , 46, 567-74	5.5	139
45	PPAR-1 activation increases insulin secretion through the up-regulation of the free fatty acid receptor GPR40 in pancreatic 1 cells. <i>PLoS ONE</i> , 2013 , 8, e50128	3.7	74
44	Transcriptional cross talk between orphan nuclear receptor ERR1 and transmembrane transcription factor ATF61 coordinates endoplasmic reticulum stress response. <i>Nucleic Acids Research</i> , 2013 , 41, 6960-74	20.1	25
43	Nonalcoholic fatty liver disease: molecular mechanisms for the hepatic steatosis. <i>Clinical and Molecular Hepatology</i> , 2013 , 19, 210-5	6.9	241
42	C1-Ten is a protein tyrosine phosphatase of insulin receptor substrate 1 (IRS-1), regulating IRS-1 stability and muscle atrophy. <i>Molecular and Cellular Biology</i> , 2013 , 33, 1608-20	4.8	23
41	Reply: To PMID 22532369. <i>Hepatology</i> , 2013 , 57, 2091	11.2	3

40	Hepatic cannabinoid receptor type 1 mediates alcohol-induced regulation of bile acid enzyme genes expression via CREBH. <i>PLoS ONE</i> , 2013 , 8, e68845	3.7	28
39	Protein arginine methyltransferase 1 regulates hepatic glucose production in a FoxO1-dependent manner. <i>Hepatology</i> , 2012 , 56, 1546-56	11.2	47
38	Retinoic acid receptor-related orphan receptor 1-induced activation of adenosine monophosphate-activated protein kinase results in attenuation of hepatic steatosis. <i>Hepatology</i> , 2012 , 55, 1379-88	11.2	36
37	TCF7L2 modulates glucose homeostasis by regulating CREB- and FoxO1-dependent transcriptional pathway in the liver. <i>PLoS Genetics</i> , 2012 , 8, e1002986	6	56
36	Activation of cannabinoid receptor type 1 (Cb1r) disrupts hepatic insulin receptor signaling via cyclic AMP-response element-binding protein H (Crebh)-mediated induction of Lipin1 gene. <i>Journal of Biological Chemistry</i> , 2012 , 287, 38041-9	5.4	30
35	Phosphoenolpyruvate carboxykinase and glucose-6-phosphatase are required for steroidogenesis in testicular Leydig cells. <i>Journal of Biological Chemistry</i> , 2012 , 287, 41875-87	5.4	19
34	Orphan nuclear receptor estrogen-related receptor 1 (ERR1) is key regulator of hepatic gluconeogenesis. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21628-39	5.4	90
33	Cannabinoid type 1 receptor gene polymorphisms are not associated with olanzapine-induced weight gain. <i>Human Psychopharmacology</i> , 2011 , 26, 332-7	2.3	7
32	Atypical antipsychotic drugs perturb AMPK-dependent regulation of hepatic lipid metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 300, E624-32	6	38
31	Cannabinoid receptor type 1 (CB1R) signaling regulates hepatic gluconeogenesis via induction of endoplasmic reticulum-bound transcription factor cAMP-responsive element-binding protein H (CREBH) in primary hepatocytes. <i>Journal of Biological Chemistry</i> , 2011 , 286, 27971-9	5.4	50
30	Curcumin differentially regulates endoplasmic reticulum stress through transcriptional corepressor SMILE (small heterodimer partner-interacting leucine zipper protein)-mediated inhibition of CREBH (cAMP responsive element-binding protein H). <i>Journal of Biological Chemistry</i> , 2011 , 286, 41972-41984	5.4	36
29	Endoplasmic reticulum stress promotes LIPIN2-dependent hepatic insulin resistance. <i>Diabetes</i> , 2011 , 60, 1072-81	0.9	48
28	Obesity and ER Stress. <i>The Korean Journal of Obesity</i> , 2011 , 20, 45		
27	Orphan nuclear receptor DAX-1 acts as a novel corepressor of liver X receptor alpha and inhibits hepatic lipogenesis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 9221-32	5.4	15
26	Suppressor of MEK null (SMEK)/protein phosphatase 4 catalytic subunit (PP4C) is a key regulator of hepatic gluconeogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17704-9	11.5	54
25	Regulation of hepatic gluconeogenesis by an ER-bound transcription factor, CREBH. <i>Cell Metabolism</i> , 2010 , 11, 331-9	24.6	148
24	AMPK-dependent repression of hepatic gluconeogenesis via disruption of CREB.CRTC2 complex by orphan nuclear receptor small heterodimer partner. <i>Journal of Biological Chemistry</i> , 2010 , 285, 32182-91	5.4	108
23	Salt-inducible kinase regulates hepatic lipogenesis by controlling SREBP-1c phosphorylation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 10446-52	5.4	43

22	The orphan nuclear receptor estrogen receptor-related receptor gamma negatively regulates BMP2-induced osteoblast differentiation and bone formation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 14211-8	5.4	37
21	Adiponectin and thiazolidinedione targets CRTC2 to regulate hepatic gluconeogenesis. <i>Experimental and Molecular Medicine</i> , 2009 , 41, 577-83	12.8	23
20	DAX-1 acts as a novel corepressor of orphan nuclear receptor HNF4alpha and negatively regulates gluconeogenic enzyme gene expression. <i>Journal of Biological Chemistry</i> , 2009 , 284, 27511-23	5.4	35
19	TORC2 regulates hepatic insulin signaling via a mammalian phosphatidic acid phosphatase, LIPIN1. <i>Cell Metabolism</i> , 2009 , 9, 240-51	24.6	69
18	Insulin modulates gluconeogenesis by inhibition of the coactivator TORC2. <i>Nature</i> , 2007 , 449, 366-9	50.4	315
17	FoxO1 regulates multiple metabolic pathways in the liver: effects on gluconeogenic, glycolytic, and lipogenic gene expression. <i>Journal of Biological Chemistry</i> , 2006 , 281, 10105-17	5.4	372
16	In vino veritas: a tale of two sirt1s?. <i>Cell</i> , 2006 , 127, 1091-3	56.2	49
15	Identification of the tyrosine phosphatase PTP-MEG2 as an antagonist of hepatic insulin signaling. <i>Cell Metabolism</i> , 2006 , 3, 367-78	24.6	62
14	Fatty acids and insulin resistance: a perfect storm. <i>Molecular Cell</i> , 2006 , 21, 449-50	17.6	16
13	The kinase LKB1 mediates glucose homeostasis in liver and therapeutic effects of metformin. <i>Science</i> , 2005 , 310, 1642-6	33.3	1499
12	Dual role of the coactivator TORC2 in modulating hepatic glucose output and insulin signaling. <i>Cell Metabolism</i> , 2005 , 2, 331-8	24.6	58
11	The CREB coactivator TORC2 is a key regulator of fasting glucose metabolism. <i>Nature</i> , 2005 , 437, 1109-15	50.4	783
10	Genome-wide analysis of cAMP-response element binding protein occupancy, phosphorylation, and target gene activation in human tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 4459-64	11.5	756
9	PGC-1 promotes insulin resistance in liver through PPAR-alpha-dependent induction of TRB-3. <i>Nature Medicine</i> , 2004 , 10, 530-4	50.5	458
8	The CREB family: key regulators of hepatic metabolism. <i>Annales D'Endocrinologie</i> , 2004 , 65, 73-5	1.7	28
7	CREB controls hepatic lipid metabolism through nuclear hormone receptor PPAR-gamma. <i>Nature</i> , 2003 , 426, 190-3	50.4	239
6	Glucose and insulin function through two distinct transcription factors to stimulate expression of lipogenic enzyme genes in liver. <i>Journal of Biological Chemistry</i> , 2001 , 276, 9437-45	5.4	113
5	Involvement of a unique carbohydrate-responsive factor in the glucose regulation of rat liver fatty-acid synthase gene transcription. <i>Journal of Biological Chemistry</i> , 2001 , 276, 21969-75	5.4	93

4	Glucose regulation of the acetyl-CoA carboxylase promoter PI in rat hepatocytes. <i>Journal of Biological Chemistry</i> , 2001 , 276, 16033-9	5-4	66
3	Glucose regulation of mouse S(14) gene expression in hepatocytes. Involvement of a novel transcription factor complex. <i>Journal of Biological Chemistry</i> , 2000 , 275, 5200-7	5-4	65
2	Different sterol regulatory element-binding protein-1 isoforms utilize distinct co-regulatory factors to activate the promoter for fatty acid synthase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 4726-33	5-4	128
1	Prominin-1-Radixin Axis controls hepatic gluconeogenesis by regulating PKA activity		1