

Hail Kim

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,164
citations

201674

27
h-index

161849

54
g-index

60
all docs

60
docs citations

60
times ranked

5018
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribes fasciculatum Ameliorates High-Fat-Diet-Induced Obesity by Elevating Peripheral Thermogenic Signaling. <i>Molecules</i> , 2022, 27, 1649.	3.8	0
2	Lysosomal Ca ²⁺ -mediated TFEB activation modulates mitophagy and functional adaptation of pancreatic β -cells to metabolic stress. <i>Nature Communications</i> , 2022, 13, 1300.	12.8	28
3	Synthesis and biological evaluation of tyrosine derivatives as peripheral 5HT _{2A} receptor antagonists for nonalcoholic fatty liver disease. <i>European Journal of Medicinal Chemistry</i> , 2022, 239, 114517.	5.5	3
4	Serotonin in the regulation of systemic energy metabolism. <i>Journal of Diabetes Investigation</i> , 2022, 13, 1639-1645.	2.4	10
5	Metabolic Regulation: Insulin Secretion and Action. <i>Receptors</i> , 2021, , 265-274.	0.2	0
6	A Systems Biology Approach to Investigating the Interaction between Serotonin Synthesis by Tryptophan Hydroxylase and the Metabolic Homeostasis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2452.	4.1	12
7	Differential roles of GDF15 and FGF21 in systemic metabolic adaptation to the mitochondrial integrated stress response. <i>IScience</i> , 2021, 24, 102181.	4.1	45
8	Proto-oncoprotein Zbtb7c and SIRT1 repression: implications in high-fat diet-induced and age-dependent obesity. <i>Experimental and Molecular Medicine</i> , 2021, 53, 917-932.	7.7	9
9	Protein Arginine Methyltransferase 1 Is Essential for the Meiosis of Male Germ Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7951.	4.1	4
10	Peripheral Selective Oxadiazolylphenyl Alanine Derivatives as Tryptophan Hydroxylase 1 Inhibitors for Obesity and Fatty Liver Disease. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1037-1053.	6.4	4
11	Inhibiting serotonin signaling through HTR _{2B} in visceral adipose tissue improves obesity-related insulin resistance. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	16
12	Serotonergic Regulation of Hepatic Energy Metabolism. <i>Endocrinology and Metabolism</i> , 2021, 36, 1151-1160.	3.0	7
13	An adipocyte-specific defect in oxidative phosphorylation increases systemic energy expenditure and protects against diet-induced obesity in mouse models. <i>Diabetologia</i> , 2020, 63, 837-852.	6.3	48
14	PRMT1 Is Required for the Maintenance of Mature β -Cell Identity. <i>Diabetes</i> , 2020, 69, 355-368.	0.6	22
15	Serotonin Regulates Adult β -Cell Mass by Stimulating Perinatal β -Cell Proliferation. <i>Diabetes</i> , 2020, 69, 205-214.	0.6	33
16	YAP and AP-1 Cooperate to Initiate Pancreatic Cancer Development from Ductal Cells in Mice. <i>Cancer Research</i> , 2020, 80, 4768-4779.	0.9	27
17	Lactation improves pancreatic β cell mass and function through serotonin production. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	33
18	Grasp55 ^{-/-} mice display impaired fat absorption and resistance to high-fat diet-induced obesity. <i>Nature Communications</i> , 2020, 11, 1418.	12.8	13

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19	Design, Synthesis, and Biological Evaluation of New Peripheral 5HT _{2A} Antagonists for Nonalcoholic Fatty Liver Disease. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 4171-4182.	6.4	8
20	Serotonergic regulation of energy metabolism in peripheral tissues. <i>Journal of Endocrinology</i> , 2020, 245, R1-R10.	2.6	19
21	Serotonin Regulates De Novo Lipogenesis in Adipose Tissues through Serotonin Receptor 2A. <i>Endocrinology and Metabolism</i> , 2020, 35, 470-479.	3.0	21
22	Î²-Cell-Derived Angiotensin II Regulates Insulin Secretion and Glucose Homeostasis by Stabilizing the Islet Microenvironment. <i>Diabetes</i> , 2019, 68, 774-786.	0.6	9
23	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.	4.7	17
24	Reduced oxidative capacity in macrophages results in systemic insulin resistance. <i>Nature Communications</i> , 2018, 9, 1551.	12.8	114
25	Ectopic serotonin production in Î²-cell specific transgenic mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1986-1991.	2.1	12
26	Serotonin signals through a gut-liver axis to regulate hepatic steatosis. <i>Nature Communications</i> , 2018, 9, 4824.	12.8	98
27	Generation of a highly efficient and tissue-specific tryptophan hydroxylase 1 knockout mouse model. <i>Scientific Reports</i> , 2018, 8, 17642.	3.3	9
28	Inhibition of Serotonin Synthesis Induces Negative Hepatic Lipid Balance. <i>Diabetes and Metabolism Journal</i> , 2018, 42, 233.	4.7	23
29	The Role of Serotonin in Ventricular Repolarization in Pregnant Mice. <i>Yonsei Medical Journal</i> , 2018, 59, 279.	2.2	1
30	Inhibition of Serotonin Synthesis Induces Negative Hepatic Lipid Balance. <i>Diabetes and Metabolism Journal</i> , 2018, , .	4.7	0
31	Plastic roles of pericytes in the blood-retinal barrier. <i>Nature Communications</i> , 2017, 8, 15296.	12.8	210
32	NAD ⁺ augmentation ameliorates acute pancreatitis through regulation of inflammasome signalling. <i>Scientific Reports</i> , 2017, 7, 3006.	3.3	31
33	Growth differentiation factor 15 is a myomitokine governing systemic energy homeostasis. <i>Journal of Cell Biology</i> , 2017, 216, 149-165.	5.2	250
34	Î²-cell serotonin production is associated with female sex, old age, and diabetes-free condition. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 1197-1203.	2.1	9
35	Demonstration of Interposed Modular Hydrogel Sheet for Multicellular Analysis in a Microfluidic Assembly Platform. <i>Scientific Reports</i> , 2017, 7, 1289.	3.3	3
36	Serotonin as a New Therapeutic Target for Diabetes Mellitus and Obesity. <i>Diabetes and Metabolism Journal</i> , 2016, 40, 89.	4.7	83

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37	FoxO1 in dopaminergic neurons regulates energy homeostasis and targets tyrosine hydroxylase. <i>Nature Communications</i> , 2016, 7, 12733.	12.8	34
38	Islet-like organoids derived from human pluripotent stem cells efficiently function in the glucose responsiveness in vitro and in vivo. <i>Scientific Reports</i> , 2016, 6, 35145.	3.3	73
39	Deletion of the Serotonin Receptor Type 3A in Mice Leads to Sudden Cardiac Death During Pregnancy. <i>Circulation Journal</i> , 2015, 79, 1807-1815.	1.6	11
40	Peripheral Serotonin: a New Player in Systemic Energy Homeostasis. <i>Molecules and Cells</i> , 2015, 38, 1023-1028.	2.6	90
41	Functional Role of Serotonin in Insulin Secretion in a Diet-Induced Insulin-Resistant State. <i>Endocrinology</i> , 2015, 156, 444-452.	2.8	106
42	Glucagon-like receptor 1 (GLP-1)-coupled receptor signaling restricts pancreatic β -cell expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2888-2893.	7.1	65
43	Perilipin+ embryonic preadipocytes actively proliferate along growing vasculatures for adipose expansion. <i>Development (Cambridge)</i> , 2015, 142, 2623-2632.	2.5	63
44	Regulation of systemic energy homeostasis by serotonin in adipose tissues. <i>Nature Communications</i> , 2015, 6, 6794.	12.8	187
45	Disruption of CR6-interacting factor-1 (CRIF1) in mouse islet beta cells leads to mitochondrial diabetes with progressive beta cell failure. <i>Diabetologia</i> , 2015, 58, 771-780.	6.3	18
46	Expression mechanism of tryptophan hydroxylase 1 in mouse islets during pregnancy. <i>Journal of Molecular Endocrinology</i> , 2015, 55, 41-53.	2.5	19
47	Geometric effect of the hydrogel grid structure on in vitro formation of homogeneous MIN6 cell clusters. <i>Lab on A Chip</i> , 2014, 14, 2183-2190.	6.0	14
48	Menin determines K-RAS proliferative outputs in endocrine cells. <i>Journal of Clinical Investigation</i> , 2014, 124, 4093-4101.	8.2	63
49	Comprehensive Genome-Wide Proteomic Analysis of Human Placental Tissue for the Chromosome-Centric Human Proteome Project. <i>Journal of Proteome Research</i> , 2013, 12, 2458-2466.	3.7	30
50	Serotonin regulates glucose-stimulated insulin secretion from pancreatic β cells during pregnancy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19420-19425.	7.1	136
51	Research Resource: RNA-Seq Reveals Unique Features of the Pancreatic β -Cell Transcriptome. <i>Molecular Endocrinology</i> , 2012, 26, 1783-1792.	3.7	95
52	Association of Variations in <i>TPH1</i> and <i>HTR2B</i> with Gestational Weight Gain and Measures of Obesity. <i>Obesity</i> , 2012, 20, 233-238.	3.0	48
53	Convergence of the Insulin and Serotonin Programs in the Pancreatic β -Cell. <i>Diabetes</i> , 2011, 60, 3208-3216.	0.6	146
54	Peroxisome Proliferator-activated Receptor α Is Responsible for the Up-regulation of Hepatic Glucose-6-phosphatase Gene Expression in Fasting and db/db Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 1157-1164.	3.4	48

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55	Neurogenin3 inhibits proliferation in endocrine progenitors by inducing Cdkn1a. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 185-190.	7.1	122
56	Serotonin regulates pancreatic beta cell mass during pregnancy. Nature Medicine, 2010, 16, 804-808.	30.7	489
57	Interrelationship between Liver X Receptor α , Sterol Regulatory Element-binding Protein-1c, Peroxisome Proliferator-activated Receptor β , and Small Heterodimer Partner in the Transcriptional Regulation of Glucokinase Gene Expression in Liver. Journal of Biological Chemistry, 2009, 284, 15071-15083.	3.4	74