

Mohammad Bohlooly-Y

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

7,765
citations

159585

30
h-index

155660

55
g-index

58
all docs

58
docs citations

58
times ranked

13599
citing authors

#	ARTICLE	IF	CITATIONS
1	The Microbial Metabolites, Short-Chain Fatty Acids, Regulate Colonic T _{reg} Cell Homeostasis. <i>Science</i> , 2013, 341, 569-573.	12.6	3,945
2	Mitochondria are required for pro-ageing features of the senescent phenotype. <i>EMBO Journal</i> , 2016, 35, 724-742.	7.8	527
3	In vivo CRISPR editing with no detectable genome-wide off-target mutations. <i>Nature</i> , 2018, 561, 416-419.	27.8	274
4	Ablation of PGC-1 ^β Results in Defective Mitochondrial Activity, Thermogenesis, Hepatic Function, and Cardiac Performance. <i>PLoS Biology</i> , 2006, 4, e369.	5.6	249
5	Opposing Effects of Adiponectin Receptors 1 and 2 on Energy Metabolism. <i>Diabetes</i> , 2007, 56, 583-593.	0.6	241
6	Improved glucose control and reduced body fat mass in free fatty acid receptor 2-deficient mice fed a high-fat diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E211-E220.	3.5	238
7	SCFAs Induce Mouse Neutrophil Chemotaxis through the GPR43 Receptor. <i>PLoS ONE</i> , 2011, 6, e21205.	2.5	226
8	Liver-Specific Activation of AMPK Prevents Steatosis on a High-Fructose Diet. <i>Cell Reports</i> , 2017, 18, 3043-3051.	6.4	165
9	Prolactin and growth hormone regulate adiponectin secretion and receptor expression in adipose tissue. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 1120-1126.	2.1	162
10	Acutely reduced locomotor activity is a major contributor to Western diet-induced obesity in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E251-E260.	3.5	120
11	Growth hormone receptor deficiency results in blunted ghrelin feeding response, obesity, and hypolipidemia in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E317-E325.	3.5	92
12	Decoding non-random mutational signatures at Cas9 targeted sites. <i>Nucleic Acids Research</i> , 2018, 46, 8417-8434.	14.5	85
13	Mice lacking melanin-concentrating hormone receptor 1 demonstrate increased heart rate associated with altered autonomic activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R749-R758.	1.8	82
14	Adaptive Changes of the Insig1/SREBP1/SCD1 Set Point Help Adipose Tissue to Cope With Increased Storage Demands of Obesity. <i>Diabetes</i> , 2013, 62, 3697-3708.	0.6	76
15	Growth Hormone Overexpression in the Central Nervous System Results in Hyperphagia-Induced Obesity Associated With Insulin Resistance and Dyslipidemia. <i>Diabetes</i> , 2005, 54, 51-62.	0.6	72
16	AMPK activation protects against diet-induced obesity through Ucp1-independent thermogenesis in subcutaneous white adipose tissue. <i>Nature Metabolism</i> , 2019, 1, 340-349.	11.9	65
17	Development of an ObLiGaRe Doxycycline Inducible Cas9 system for pre-clinical cancer drug discovery. <i>Nature Communications</i> , 2020, 11, 4903.	12.8	65
18	The Beneficial Effects of n-3 Polyunsaturated Fatty Acids on Diet Induced Obesity and Impaired Glucose Control Do Not Require Gpr120. <i>PLoS ONE</i> , 2014, 9, e114942.	2.5	60

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19	In vivo genome and base editing of a human PCSK9 knock-in hypercholesterolemic mouse model. <i>BMC Biology</i> , 2019, 17, 4.	3.8	59
20	Ageing Fxr Deficient Mice Develop Increased Energy Expenditure, Improved Glucose Control and Liver Damage Resembling NASH. <i>PLoS ONE</i> , 2013, 8, e64721.	2.5	57
21	Impairment of Cardiac Function and Bioenergetics in Adult Transgenic Mice Overexpressing the Bovine Growth Hormone Gene*. <i>Endocrinology</i> , 2000, 141, 2229-2235.	2.8	55
22	Bovine growth hormone-transgenic mice have major alterations in hepatic expression of metabolic genes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E504-E511.	3.5	53
23	Phenotypic screening of hepatocyte nuclear factor (HNF) 4 β receptor knockout mice. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 825-832.	2.1	49
24	Body Fat Content Can Be Predicted In Vivo in Mice Using a Modified Dual-Energy X-Ray Absorptiometry Technique. <i>Journal of Nutrition</i> , 2001, 131, 2963-2966.	2.9	48
25	Long-term growth hormone excess induces marked alterations in lipoprotein metabolism in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E1230-E1239.	3.5	47
26	GPR10 deficiency in mice results in altered energy expenditure and obesity. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 633-638.	2.1	45
27	Melanin-Concentrating Hormone Receptor 1 Deficiency Increases Insulin Sensitivity in Obese Leptin-Deficient Mice Without Affecting Body Weight. <i>Diabetes</i> , 2006, 55, 725-733.	0.6	39
28	Mice with experimental colitis show an altered metabolism with decreased metabolic rate. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G165-G172.	3.4	39
29	Effects of Pharmacological AMP Deaminase Inhibition and <i>Ampd1</i> Deletion on Nucleotide Levels and AMPK Activation in Contracting Skeletal Muscle. <i>Chemistry and Biology</i> , 2014, 21, 1497-1510.	6.0	38
30	Osteoporosis in MCHR1-deficient mice. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 964-969.	2.1	37
31	G protein-coupled receptor 12 deficiency results in dyslipidemia and obesity in mice. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 359-366.	2.1	37
32	Bovine Growth Hormone Transgenic Mice Display Alterations in Locomotor Activity and Brain Monoamine Neurochemistry1. <i>Endocrinology</i> , 1999, 140, 5619-5625.	2.8	30
33	Universal toxin-based selection for precise genome engineering in human cells. <i>Nature Communications</i> , 2021, 12, 497.	12.8	29
34	Murine models for the study of congestive heart failure: Implications for understanding molecular mechanisms and for drug discovery. <i>Journal of Pharmacological and Toxicological Methods</i> , 2004, 50, 163-174.	0.7	26
35	<i>PCSK9</i> rs11591147 R46L loss-of-function variant protects against liver damage in individuals with NAFLD. <i>Liver International</i> , 2021, 41, 321-332.	3.9	26
36	Importance of melanin-concentrating hormone receptor for the acute effects of ghrelin. <i>Biochemical and Biophysical Research Communications</i> , 2005, 326, 759-765.	2.1	25

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37	Deletion of Gpr55 Results in Subtle Effects on Energy Metabolism, Motor Activity and Thermal Pain Sensation. <i>PLoS ONE</i> , 2016, 11, e0167965.	2.5	24
38	Genetic deletion of soluble 5 α -nucleotidase II reduces body weight gain and insulin resistance induced by a high-fat diet. <i>Molecular Genetics and Metabolism</i> , 2019, 126, 377-387.	1.1	24
39	The role of mitochondrial glycerol-3-phosphate acyltransferase-1 in regulating lipid and glucose homeostasis in high-fat diet fed mice. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 1065-1070.	2.1	23
40	Central NMU signaling in body weight and energy balance regulation: evidence from NMUR2 deletion and chronic central NMU treatment in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E708-E716.	3.5	23
41	Adiponectin Receptor 2 Deficiency Results in Reduced Atherosclerosis in the Brachiocephalic Artery in Apolipoprotein E Deficient Mice. <i>PLoS ONE</i> , 2013, 8, e80330.	2.5	23
42	Enhanced Spontaneous Locomotor Activity in Bovine GH Transgenic Mice Involves Peripheral Mechanisms. <i>Endocrinology</i> , 2001, 142, 4560-4567.	2.8	22
43	Monoclonal Antibody Targeting of Fibroblast Growth Factor Receptor 1c Ameliorates Obesity and Glucose Intolerance via Central Mechanisms. <i>PLoS ONE</i> , 2014, 9, e112109.	2.5	22
44	Effects of genetic deletion of soluble 5 α -nucleotidases NT5C1A and NT5C2 on AMPK activation and nucleotide levels in contracting mouse skeletal muscles. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E48-E62.	3.5	22
45	Suppression of insulin-induced gene 1 (INSIG1) function promotes hepatic lipid remodelling and restrains NASH progression. <i>Molecular Metabolism</i> , 2021, 48, 101210.	6.5	20
46	Extensive transcription mis-regulation and membrane defects in AdipoR2-deficient cells challenged with saturated fatty acids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158884.	2.4	13
47	GPR43 regulates marginal zone B cell responses to foreign and endogenous antigens. <i>Immunology and Cell Biology</i> , 2021, 99, 234-243.	2.3	10
48	Cardiac-Specific Overexpression of Oxytocin Receptor Leads to Cardiomyopathy in Mice. <i>Journal of Cardiac Failure</i> , 2018, 24, 470-478.	1.7	8
49	Enhanced Spontaneous Locomotor Activity in Bovine GH Transgenic Mice Involves Peripheral Mechanisms. <i>Endocrinology</i> , 2001, 142, 4560-4567.	2.8	8
50	Chronic activation of AMP-activated protein kinase leads to early-onset polycystic kidney phenotype. <i>Clinical Science</i> , 2021, 135, 2393-2408.	4.3	8
51	Local overexpression of GH and GH/IGF1 effects in the adult mouse hippocampus. <i>Journal of Endocrinology</i> , 2012, 215, 257-268.	2.6	7
52	Rapid target validation in a Cas9-inducible hiPSC derived kidney model. <i>Scientific Reports</i> , 2021, 11, 16532.	3.3	7
53	Bovine Growth Hormone Transgenic Mice Display Alterations in Locomotor Activity and Brain Monoamine Neurochemistry. <i>Endocrinology</i> , 1999, 140, 5619-5625.	2.8	7
54	Metabolic Parameters and Emotionality Are Little Affected in G-Protein Coupled Receptor 12 (Gpr12) Mutant Mice. <i>PLoS ONE</i> , 2012, 7, e42395.	2.5	7

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55	Allostatic hypermetabolic response in PGC1 β /P2 heterozygote mouse despite mitochondrial defects. FASEB Journal, 2021, 35, e21752.	0.5	2