

Umesh Wankhade

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,163
citations

430874

18
h-index

395702

33
g-index

45
all docs

45
docs citations

45
times ranked

2104
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced offspring predisposition to steatohepatitis with maternal high-fat diet is associated with epigenetic and microbiome alterations. <i>PLoS ONE</i> , 2017, 12, e0175675.	2.5	147
2	Advances in Adipose-Derived Stem Cells Isolation, Characterization, and Application in Regenerative Tissue Engineering. <i>Stem Cells International</i> , 2016, 2016, 1-9.	2.5	117
3	Loss of PPAR α in immune cells impairs the ability of abscisic acid to improve insulin sensitivity by suppressing monocyte chemoattractant protein-1 expression and macrophage infiltration into white adipose tissue. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 216-228.	4.2	75
4	High-fat, high-fructose, high-cholesterol feeding causes severe NASH and cecal microbiota dysbiosis in juvenile Ossabaw swine. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E78-E92.	3.5	73
5	Maternal High-Fat Diet Programs Offspring Liver Steatosis in a Sexually Dimorphic Manner in Association with Changes in Gut Microbial Ecology in Mice. <i>Scientific Reports</i> , 2018, 8, 16502.	3.3	70
6	Novel Browning Agents, Mechanisms, and Therapeutic Potentials of Brown Adipose Tissue. <i>BioMed Research International</i> , 2016, 2016, 1-15.	1.9	63
7	Beige Adipose Tissue Identification and Marker Specificity Overview. <i>Frontiers in Endocrinology</i> , 2021, 12, 599134.	3.5	60
8	Dietary supplementation with strawberry induces marked changes in the composition and functional potential of the gut microbiome in diabetic mice. <i>Journal of Nutritional Biochemistry</i> , 2019, 66, 63-69.	4.2	47
9	Transforming Growth Factor- β 3 (TGF- β 3) Knock-in Ameliorates Inflammation Due to TGF- β 1 Deficiency While Promoting Glucose Tolerance. <i>Journal of Biological Chemistry</i> , 2013, 288, 32074-32092.	3.4	41
10	A Tryptophan-Deficient Diet Induces Gut Microbiota Dysbiosis and Increases Systemic Inflammation in Aged Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5005.	4.1	40
11	Persistent influence of maternal obesity on offspring health: Mechanisms from animal models and clinical studies. <i>Molecular and Cellular Endocrinology</i> , 2016, 435, 7-19.	3.2	39
12	Cecal versus fecal microbiota in Ossabaw swine and implications for obesity. <i>Physiological Genomics</i> , 2018, 50, 355-368.	2.3	33
13	TGF- β 2 receptor 1 regulates progenitors that promote browning of white fat. <i>Molecular Metabolism</i> , 2018, 16, 160-171.	6.5	33
14	Gut microbiota are linked to increased susceptibility to hepatic steatosis in low-aerobic-capacity rats fed an acute high-fat diet. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G166-G179.	3.4	32
15	Soy compared with milk protein in a Western diet changes fecal microbiota and decreases hepatic steatosis in obese OLETF rats. <i>Journal of Nutritional Biochemistry</i> , 2017, 46, 125-136.	4.2	32
16	Sex-Specific Changes in Gut Microbiome Composition following Blueberry Consumption in C57BL/6J Mice. <i>Nutrients</i> , 2019, 11, 313.	4.1	27
17	Melanocortin 4 receptor is a transcriptional target of nescient helix-loop-helix-2. <i>Molecular and Cellular Endocrinology</i> , 2011, 341, 39-47.	3.2	25
18	Lactotrehalose, an Analog of Trehalose, Increases Energy Metabolism Without Promoting <i>Clostridioides difficile</i> Infection in Mice. <i>Gastroenterology</i> , 2020, 158, 1402-1416.e2.	1.3	23

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19	Liver tumorigenesis is promoted by a high saturated fat diet specifically in male mice and is associated with hepatic expression of the proto-oncogene Agap2 and enrichment of the intestinal microbiome with Coprococcus. <i>Carcinogenesis</i> , 2019, 40, 349-359.	2.8	19
20	Diabetes-associated alterations in the cecal microbiome and metabolome are independent of diet or environment in the UC Davis Type 2 Diabetes Mellitus Rat model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E961-E972.	3.5	18
21	Intrinsic High Aerobic Capacity in Male Rats Protects Against Diet-Induced Insulin Resistance. <i>Endocrinology</i> , 2019, 160, 1179-1192.	2.8	18
22	Deletion of Nhlh2 Results in a Defective Torpor Response and Reduced Beta Adrenergic Receptor Expression in Adipose Tissue. <i>PLoS ONE</i> , 2010, 5, e12324.	2.5	17
23	Dynamic assessment of microbial ecology (DAME): a web app for interactive analysis and visualization of microbial sequencing data. <i>Bioinformatics</i> , 2018, 34, 1050-1052.	4.1	16
24	3-(3-Hydroxyphenyl) Propionic Acid (PPA) Suppresses Osteoblastic Cell Senescence to Promote Bone Accretion in Mice. <i>JBMR Plus</i> , 2019, 3, e10201.	2.7	13
25	Xenometabolite signatures in the UC Davis type 2 diabetes mellitus rat model revealed using a metabolomics platform enriched with microbe-derived metabolites. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, G157-G169.	3.4	13
26	Dietary Blueberry Ameliorates Vascular Complications in Diabetic Mice Possibly through NOX4 and Modulates Composition and Functional Diversity of Gut Microbes. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100784.	3.3	12
27	Two single nucleotide polymorphisms in the human nescient helix-loop-helix 2 (NHLH2) gene reduce mRNA stability and DNA binding. <i>Gene</i> , 2013, 512, 134-142.	2.2	11
28	On the potential role of globins in brown adipose tissue: a novel conceptual model and studies in myoglobin knockout mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E47-E62.	3.5	11
29	Cordyceps inhibits ceramide biosynthesis and improves insulin resistance and hepatic steatosis. <i>Scientific Reports</i> , 2022, 12, 7273.	3.3	10
30	<sc>Nox4</sc> Expression Is Not Required for <sc>OVX</sc>-Induced Osteoblast Senescence and Bone Loss in Mice. <i>JBMR Plus</i> , 2020, 4, e10376.	2.7	9
31	Performance of growing lambs fed processed karanj (<i>Pongamia glabra</i>) oil seed cake as partial protein supplement to soybean meal. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2009, 93, 237-244.	2.2	6
32	GPR109A mediates the effects of hippuric acid on regulating osteoclastogenesis and bone resorption in mice. <i>Communications Biology</i> , 2021, 4, 53.	4.4	6
33	Flow Cytometry Assisted Isolation of Adipose Tissue Derived Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1566, 17-24.	0.9	3
34	<sc>Short-Term</sc> Increased Physical Activity During Early Life Affects High-Fat <sc>Diet-Induced</sc> Bone Loss in Young Adult Mice. <i>JBMR Plus</i> , 2021, 5, e10508.	2.7	2
35	The loss of PPAR δ in immune cells abrogates the ability of abscisic acid to improve insulin sensitivity through a mechanism involving suppression of MCP-1 expression and macrophage infiltration into white adipose tissue. <i>FASEB Journal</i> , 2007, 21, A64.	0.5	1
36	Dietary Conjugated Linoleic Acid Reduces Body Weight and Fat in Snord116 ^{+/p} and Snord116 ^{-/-p} Mouse Models of Prader-Willi Syndrome. <i>Nutrients</i> , 2022, 14, 860.	4.1	1

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37	Immunomodulatory properties of long-term dietary supplementation with abscisic acid. FASEB Journal, 2007, 21, A376.	0.5	0
38	Neonatal administration of monosodium glutamate (MSG) to induce Type 2 diabetes in prepubertal pigs. FASEB Journal, 2010, 24, 327.1.	0.5	0
39	Adipose tissue specific deletion of TGF β 2 receptor 1 kinase protects mice from diet-induced obesity and diabetes (577.4). FASEB Journal, 2014, 28, .	0.5	0
40	Maternal Obesity Programs Offspring's Predisposition to Non-Alcoholic Fatty Liver Disease and Steatohepatitis. FASEB Journal, 2016, 30, 516.7.	0.5	0
41	Gestational Exposure to Maternal Obesity Influences Adrenergic Agonist Induced Beiging of White Adipose Tissue in Offspring. FASEB Journal, 2016, 30, 287.8.	0.5	0
42	Macrophages Switch: The Fate of Adipose Tissue in Obesity. MOJ Immunology, 2016, 3, .	11.0	0
43	Host diabetes status is the major regulator of gut microbiome in the UCD 2DM Rat. FASEB Journal, 2017, 31, .	0.5	0
44	Interactive effects of blueberry supplementation and GPR109A deletion on gut microbiome profiles in mice. FASEB Journal, 2017, 31, 444.2.	0.5	0
45	Integrative Metabolism and Circadian Rhythms' Contributions of Maternal Programming. , 2017, , 141-154.		0