Hong Wei

List of Publications by Year
in descending order

93 papers	7,397 citations	101543 36 h-index	60623 81 g-index
97 all docs	97 docs citations	97 times ranked	9878 citing authors

#	Article	IF	Citations
1	Ginseng polysaccharides alter the gut microbiota and kynurenine/tryptophan ratio, potentiating the antitumour effect of antiprogrammed cell death 1/programmed cell death ligand 1 (anti-PD-1/PD-L1) immunotherapy. Gut, 2022, 71, 734-745.	12.1	177
2	The Interplay between Androgen and Gut Microbiota: Is There a Microbiota-Gut-Testis Axis. Reproductive Sciences, 2022, 29, 1674-1684.	2.5	25
3	High-Fat Diet Promotes Colorectal Tumorigenesis Through Modulating Gut Microbiota and Metabolites. Gastroenterology, 2022, 162, 135-149.e2.	1.3	197
4	Seasonal shift of the gut microbiome synchronizes host peripheral circadian rhythm for physiological adaptation to a low-fat diet in the giant panda. Cell Reports, 2022, 38, 110203.	6.4	49
5	Correlation between the regulation of intestinal bacteriophages by green tea polyphenols and the flora diversity in SPF mice. Food and Function, 2022, 13, 2952-2965.	4.6	8
6	Oral Administration of Bacterial Î² Cell Expansion Factor A (BefA) Alleviates Diabetes in Mice with Type 1 and Type 2 Diabetes. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-17.	4.0	0
7	Humanized Germ-Free Mice for Investigating the Intervention Effect of Commensal Microbiome on Cancer Immunotherapy. Antioxidants and Redox Signaling, 2022, 37, 1291-1302.	5.4	0
8	Cigarette smoke promotes colorectal cancer through modulation of gut microbiota and related metabolites. Gut, 2022, 71, 2439-2450.	12.1	86
9	Dietary cholesterol drives fatty liver-associated liver cancer by modulating gut microbiota and metabolites. Gut, 2021, 70, 761-774.	12.1	382
10	Application of germ-free NOD-scid IL2rgnull mice as a humanized model for tumor microbiome precision medicine. Science China Life Sciences, 2021, 64, 644-647.	4.9	2
11	Effect of a Humanized Diet Profile on Colonization Efficiency and Gut Microbial Diversity in Human Flora-Associated Mice. Frontiers in Nutrition, 2021, 8, 633738.	3.7	4
12	Regulation of Gut Microbiota Disrupts the Glucocorticoid Receptor Pathway and Inflammation-related Pathways in the Mouse Hippocampus. Experimental Neurobiology, 2021, 30, 59-72.	1.6	1
13	Dysbiosis of the rat vagina is efficiently rescued by vaginal microbiota transplantation or probiotic combination. International Journal of Antimicrobial Agents, 2021, 57, 106277.	2.5	27
14	A Phase II Randomized Clinical Trial and Mechanistic Studies Using Improved Probiotics to Prevent Oral Mucositis Induced by Concurrent Radiotherapy and Chemotherapy in Nasopharyngeal Carcinoma. Frontiers in Immunology, 2021, 12, 618150.	4.8	53
15	Fecal Microbiome Transplantation from Children with Autism Spectrum Disorder Modulates Tryptophan and Serotonergic Synapse Metabolism and Induces Altered Behaviors in Germ-Free Mice. MSystems, 2021, 6, .	3.8	49
16	Gut microbiota modulates the inflammatory response and cognitive impairment induced by sleep deprivation. Molecular Psychiatry, 2021, 26, 6277-6292.	7.9	96
17	Comprehensive analysis of the lysine acetylome and succinylome in the hippocampus of gut microbiota-dysbiosis mice. Journal of Advanced Research, 2021, 30, 27-38.	9.5	26
18	Squalene Epoxidase Induces Nonalcoholic Steatohepatitis Via Binding to Carbonic Anhydrase III and is a Therapeutic Target. Gastroenterology, 2021, 160, 2467-2482.e3.	1.3	24

#	Article	IF	Citations
19	Combination of an engineered LactococcusÂlactis expressing CXCL12 with lightâ€emitting diode yellow light as a treatment for scalded skin in mice. Microbial Biotechnology, 2021, 14, 2090-2100.	4.2	10
20	Carrageenan oligosaccharides and associated carrageenan-degrading bacteria induce intestinal inflammation in germ-free mice. Journal of Genetics and Genomics, 2021, 48, 815-824.	3.9	12
21	Vaginal Probiotic Lactobacillus crispatus Seems to Inhibit Sperm Activity and Subsequently Reduces Pregnancies in Rat. Frontiers in Cell and Developmental Biology, 2021, 9, 705690.	3.7	6
22	Fecal microbiota from children with vitamin A deficiency impair colonic barrier function in germ-free mice: The possible role of alterative bile acid metabolites. Nutrition, 2021, 90, 111274.	2.4	7
23	ZNF545 loss promotes ribosome biogenesis and protein translation to initiate colorectal tumorigenesis in mice. Oncogene, 2021, 40, 6590-6600.	5.9	11
24	Proteomics analysis of the gutâ€“brain axis in a gut microbiota-dysbiosis model of depression. Translational Psychiatry, 2021, 11, 568.	4.8	34
25	Proteomic Profiling of Lysine Acetylation Indicates Mitochondrial Dysfunction in the Hippocampus of Gut Microbiota-Absent Mice. Frontiers in Molecular Neuroscience, 2021, 14, 594332.	2.9	1
26	Colonization of fecal microbiota from patients with neonatal necrotizing enterocolitis exacerbates intestinal injury in germfree mice subjected to necrotizing enterocolitis-induction protocol via alterations in butyrate and regulatory T cells. Journal of Translational Medicine, 2021, 19, 510.	4.4	22
27	MAP9 Loss Triggers Chromosomal Instability, Initiates Colorectal Tumorigenesis, and Is Associated with Poor Survival of Patients with Colorectal Cancer. Clinical Cancer Research, 2020, 26, 746-757.	7.0	11
28	Integrated phosphoproteomic and metabolomic profiling reveals perturbed pathways in the hippocampus of gut microbiota dysbiosis mice. Translational Psychiatry, 2020, 10, 346.	4.8	24
29	Production of gene-edited pigs harboring orthologous human mutations via double cutting by CRISPR/Cas9 with long single-stranded DNAs as homology-directed repair templates by zygote injection. Transgenic Research, 2020, 29, 587-598.	2.4	5
30	Microbial regulation of a lincRNAâ€“miRNAâ€“mRNA network in the mouse hippocampus. Epigenomics, 2020, 12, 1377-1387.	2.1	13
31	Stachyose increases intestinal barrier through Akkermansia muciniphila and reduces gut inflammation in germ-free mice after human fecal transplantation. Food Research International, 2020, 137, 109288.	6.2	26
32	Aspirin Reduces Colorectal Tumor Development in Mice and Gut Microbes Reduce its Bioavailability and Chemopreventive Effects. Gastroenterology, 2020, 159, 969-983.e4.	1.3	86
33	Microtubule associated protein 9 inhibits liver tumorigenesis by suppressing ERCC3. EBioMedicine, 2020, 53, 102701.	6.1	12
34	Commensal Microbiota Regulation of Metabolic Networks During Olfactory Dysfunction in Mice . Neuropsychiatric Disease and Treatment, 2020, Volume 16, 761-769.	2.2	4
35	Extracellular Matrix and Oxidative Phosphorylation: Important Role in the Regulation of Hypothalamic Function by Gut Microbiota. Frontiers in Genetics, 2020, 11, 520.	2.3	16
36	Profiling of the viable bacterial and fungal microbiota in fermented feeds using single-molecule real-time sequencing. Journal of Animal Science, 2020, 98, .	0.5	5

#	Article	IF	Citations
37	Attenuated Salmonella engineered with an apoptosis-inducing factor (AIF) eukaryotic expressing system enhances its anti-tumor effect in melanoma in vitro and in vivo. Applied Microbiology and Biotechnology, 2020, 104, 3517-3528.	3.6	11
38	Strengthening the functional research on the interaction between host genes and microbiota. Science China Life Sciences, 2020, 63, 929-932.	4.9	3
39	Phenotypic similarities in pigs with SOX10 and SOX10 mutations implied the correlation of SOX10 haploinsufficiency with Waardenburg syndrome. Journal of Genetics and Genomics, 2020, 47, 770-780.	3.9	1
40	Gut epithelial TSC1/mTOR controls RIPK3-dependent necroptosis in intestinal inflammation and cancer. Journal of Clinical Investigation, 2020, 130, 2111-2128.	8.2	111
41	TRIM67 Activates p53 to Suppress Colorectal Cancer Initiation and Progression. Cancer Research, 2019, 79, 4086-4098.	0.9	80
42	Intestinal lysozyme liberates Nod1 ligands from microbes to direct insulin trafficking in pancreatic beta cells. Cell Research, 2019, 29, 516-532.	12.0	43
43	Oral bacteria colonize and compete with gut microbiota in gnotobiotic mice. International Journal of Oral Science, 2019, 11, 10.	8.6	69
44	Alteration of gut microbiota induced by DPP-4i treatment improves glucose homeostasis. EBioMedicine, 2019, 44, 665-674.	6.1	66
45	Sema3A - mediated modulation of NR1D1 expression may be involved in the regulation of axonal guidance signaling by the microbiota. Life Sciences, 2019, 223, 54-61.	4.3	19
46	A harlequin ichthyosis pig model with a novel ABCA12 mutation can be rescued by acitretin treatment. Journal of Molecular Cell Biology, 2019, 11, 1029-1041.	3.3	10
47	Absence of gut microbiota during early life affects anxiolytic Behaviors and monoamine neurotransmitters system in the hippocampal of mice. Journal of the Neurological Sciences, 2019, 400, 160-168.	0.6	33
48	The gut microbiome from patients with schizophrenia modulates the glutamate-glutamine-GABA cycle and schizophrenia-relevant behaviors in mice. Science Advances, 2019, 5, eaau8317.	10.3	446
49	Alterations Of Glycerophospholipid And Fatty Acyl Metabolism In Multiple Brain Regions Of Schizophrenia Microbiota Recipient Mice . Neuropsychiatric Disease and Treatment, 2019, Volume 15, 3219-3229.	2.2	22
50	Gut bacteria selectively promoted by dietary fibers alleviate type 2 diabetes. Science, 2018, 359, 1151-1156.	12.6	1,521
51	Metabolite identification in fecal microbiota transplantation mouse livers and combined proteomics with chronic unpredictive mild stress mouse livers. Translational Psychiatry, 2018, 8, 34.	4.8	70
52	Green Tea Polyphenols Modulate Colonic Microbiota Diversity and Lipid Metabolism in Highâ€Fat Diet Treated HFA Mice. Journal of Food Science, 2018, 83, 864-873.	3.1	95
53	Melatonin alleviates weanling stress in mice: Involvement of intestinal microbiota. Journal of Pineal Research, 2018, 64, e12448.	7.4	133
54	Apolipoprotein E deficiency accelerates atherosclerosis development in miniature pigs. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	40

#	Article	IF	Citations
55	Gut microbiota regulates mouse behaviors through glucocorticoid receptor pathway genes in the hippocampus. Translational Psychiatry, 2018, 8, 187.	4.8	174
56	Commensal Bacteria-Dependent CD8Î±Î²+ T Cells in the Intestinal Epithelium Produce Antimicrobial Peptides. Frontiers in Immunology, 2018, 9, 1065.	4.8	32
57	Key Genes and Pathways Associated With Inner Ear Malformation in SOX10â€ˆp.R109W Mutation Pigs. Frontiers in Molecular Neuroscience, 2018, 11, 181.	2.9	20
58	Research on oral microbiota of monozygotic twins with discordant caries experience - in vitro and in vivo study. Scientific Reports, 2018, 8, 7267.	3.3	15
59	Effects of gut microbiota on the microRNA and mRNA expression in the hippocampus of mice. Behavioural Brain Research, 2017, 322, 34-41.	2.2	77
60	A 2-bp insertion (c.67_68insCC) in MC1R causes recessive white coat color in Bama miniature pigs. Journal of Genetics and Genomics, 2017, 44, 215-217.	3.9	20
61	Rip2 Is Required for Nod2-Mediated Lysozyme Sorting in Paneth Cells. Journal of Immunology, 2017, 198, 3729-3736.	0.8	35
62	Creation of miniature pig model of human Waardenburg syndrome type 2A by ENU mutagenesis. Human Genetics, 2017, 136, 1463-1475.	3.8	28
63	Gavage of Fecal Samples From Patients With Colorectal CancerÂPromotes Intestinal Carcinogenesis in Germ-Free andÂConventional Mice. Gastroenterology, 2017, 153, 1621-1633.e6.	1.3	446
64	Transcription analysis of cochlear development in minipigs. Acta Oto-Laryngologica, 2017, 137, 1166-1173.	0.9	7
65	Inactivation of porcine endogenous retrovirus in pigs using CRISPR-Cas9. Science, 2017, 357, 1303-1307.	12.6	570
66	Remodelling of the gut microbiota by hyperactive NLRP3 induces regulatory T cells to maintain homeostasis. Nature Communications, 2017, 8, 1896.	12.8	147
67	A reference gene set construction using RNA-seq of multiple tissues of Chinese giant salamander, Andrias davidianus. GigaScience, 2017, 6, 1-7.	6.4	21
68	Pilot study of large-scale production of mutant pigs by ENU mutagenesis. ELife, 2017, 6, .	6.0	32
69	Microbiota Modulate Anxiety-Like Behavior and Endocrine Abnormalities in Hypothalamic-Pituitary-Adrenal Axis. Frontiers in Cellular and Infection Microbiology, 2017, 7, 489.	3.9	160
70	DNA repair and replication links to pluripotency and differentiation capacity of pig iPS cells. PLoS ONE, 2017, 12, e0173047.	2.5	11
71	Impact of the Consumption of Tea Polyphenols on Early Atherosclerotic Lesion Formation and Intestinal Bifidobacteria in High-Fat-Fed ApoEâ^'/â^' Mice. Frontiers in Nutrition, 2016, 3, 42.	3.7	52
72	Efficient generation of B2m-null pigs via injection of zygote with TALENs. Scientific Reports, 2016, 6, 38854.	3.3	31

#	Article	IF	Citations
73	Efficient Generation of Gene-Modified Pigs Harboring Precise Orthologous Human Mutation via CRISPR/Cas9-Induced Homology-Directed Repair in Zygotes. Human Mutation, 2016, 37, 110-118.	2.5	63
74	The effect of green tea polyphenols on gut microbial diversity and fat deposition in C57BL/6J HFA mice. Food and Function, 2016, 7, 4956-4966.	4.6	45
75	Granulocyte colony-stimulating factor decreases the Th1/Th2 ratio in peripheral blood mononuclear cells from patients with chronic immune thrombocytopenic purpura in vitro. Thrombosis Research, 2016, 148, 76-84.	1.7	6
76	Enterogenous bacterial glycolipids are required for the generation of natural killer T cells mediated liver injury. Scientific Reports, 2016, 6, 36365.	3.3	43
77	Microbiota Modulates Behavior and Protein Kinase C mediated cAMP response element-binding protein Signaling. Scientific Reports, 2016, 6, 29998.	3.3	51
78	A novel nano-silver coated and hydrogel-impregnated polyurethane nanofibrous mesh for ventral hernia repair. RSC Advances, 2016, 6, 90571-90578.	3.6	20
79	Role of the Gut Microbiome in Modulating Arthritis Progression in Mice. Scientific Reports, 2016, 6, 30594.	3.3	169
80	The Gut Epithelial Receptor LRRC19 Promotes the Recruitment of Immune Cells and Gut Inflammation. Cell Reports, 2016, 14, 695-707.	6.4	36
81	Intestinal Microbiota-Derived GABA Mediates Interleukin-17 Expression during Enterotoxigenic Escherichia coli Infection. Frontiers in Immunology, 2016, 7, 685.	4.8	70
82	Normal Electrocardiogram of Bama Miniature Pigs (Sus scrofa domestica). Journal of the American Association for Laboratory Animal Science, 2016, 55, 152-4.	1.2	3
83	Production of Human Albumin in Pigs Through CRISPR/Cas9-Mediated Knockin of Human cDNA into Swine Albumin Locus in the Zygotes. Scientific Reports, 2015, 5, 16705.	3.3	73
84	Overexpression of NPC1L1 in the livers of transgenic Bama miniature pigs accelerates lipid peroxidation. Genes and Genomics, 2015, 37, 183-191.	1.4	1
85	Commensal bacteria direct selective cargo sorting to promote symbiosis. Nature Immunology, 2015, 16, 918-926.	14.5	172
86	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. EBioMedicine, 2015, 2, 968-984.	6.1	306
87	Efficient generation of gene-modified pigs via injection of zygote with Cas9/sgRNA. Scientific Reports, 2015, 5, 8256.	3.3	104
88	Proteomic analysis of the skin of Chinese giant salamander (Andrias davidianus). Journal of Proteomics, 2015, 119, 196-208.	2.4	35
89	Data from proteomic analysis of the skin of Chinese giant salamander (Andrias davidianus). Data in Brief, 2015, 3, 99-102.	1.0	1
90	Nucleus transfer efficiency of ear fibroblast cells isolated from Bama miniature pigs at various ages. Journal of Huazhong University of Science and Technology [Medical Sciences], 2015, 35, 585-590.	1.0	1

#	Article	IF	Citations
91	Expression of Bama Minipig and Human CYP3A Enzymes: Comparison of the Catalytic Characteristics with Each Other and Their Liver Microsomes. Drug Metabolism and Disposition, 2015, 43, 1336-1340.	3.3	11
92	Hypercholesterolemia in pregnant mice increases the susceptibility to atherosclerosis in adult life. Vascular, 2014, 22, 328-335.	0.9	6
93	The Meganuclease I-SceI Containing Nuclear Localization Signal (NLS-I-SceI) Efficiently Mediated Mammalian Germline Transgenesis via Embryo Cytoplasmic Microinjection. PLoS ONE, 2014, 9, e108347.	2.5	17