Homeostasis in Intestinal Epithelium Is Orchestrated b Microbiota Cues Transduced by TLRs

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Citation Report

#	Article	IF	Citations
1	Gut microbiota modulates diurnal secretion of glucocorticoids. Nature Reviews Endocrinology, 2013, 9, 444-446.	4.3	9
2	Hypertension during pregnancy and future diabetes mellitus. Nature Reviews Endocrinology, 2013, 9, 446-447.	4.3	7
3	TLRs get rhythm. Nature Reviews Immunology, 2013, 13, 392-392.	10.6	1
4	Identification of TLR10 as a Key Mediator of the Inflammatory Response to Listeria monocytogenes in Intestinal Epithelial Cells and Macrophages. Journal of Immunology, 2013, 191, 6084-6092.	0.4	99
5	Microbiota Keep the Intestinal Clock Ticking. Cell, 2013, 153, 741-743.	13.5	19
6	Young at Heart. Cell, 2013, 153, 743-745.	13.5	5
7	Intestinal epithelial vitamin D receptor signaling inhibits experimental colitis. Journal of Clinical Investigation, 2013, 123, 3983-3996.	3.9	270
8	Circadian Disorganization Alters Intestinal Microbiota. PLoS ONE, 2014, 9, e97500.	1.1	328
9	Expressions of Tight Junction Proteins Occludin and Claudin-1 Are under the Circadian Control in the Mouse Large Intestine: Implications in Intestinal Permeability and Susceptibility to Colitis. PLoS ONE, 2014, 9, e98016.	1.1	100
10	Bacterial bile salt hydrolase in host metabolism: Potential for influencing gastrointestinal microbe-host crosstalk. Gut Microbes, 2014, 5, 669-674.	4.3	99
11	Divining the Essence of Symbiosis: Insights from the Squid-Vibrio Model. PLoS Biology, 2014, 12, e1001783.	2.6	140
12	The Importance of Microbes in Animal Development: Lessons from the Squid-Vibrio Symbiosis. Annual Review of Microbiology, 2014, 68, 177-194.	2.9	212
13	Akirin specifies <scp>NF</scp> â€ºB selectivity of Drosophila innate immune response via chromatin remodeling. EMBO Journal, 2014, 33, 2349-2362.	3.5	100
14	Diet and Feeding Pattern Affect the Diurnal Dynamics of the Gut Microbiome. Cell Metabolism, 2014, 20, 1006-1017.	7.2	655
15	Robust circadian rhythms in organoid cultures from PERIOD2::LUCIFERASE mouse small intestine. DMM Disease Models and Mechanisms, 2014, 7, 1123-30.	1.2	38
16	The gut microbiota and the metabolic health of the host. Current Opinion in Gastroenterology, 2014, 30, 120-127.	1.0	117
17	Mucosal immunity in HIV infection. Current Opinion in Infectious Diseases, 2014, 27, 275-281.	1.3	12
18	Regulation of Intestinal Immune Responses through TLR Activation: Implications for Pro- and Prebiotics. Frontiers in Immunology, 2014, 5, 60.	2.2	134

#	Article	IF	Citations
19	Animal-microbial symbioses in changing environments. Journal of Thermal Biology, 2014, 44, 78-84.	1.1	23
20	Immune and genetic gardening of the intestinal microbiome. FEBS Letters, 2014, 588, 4102-4111.	1.3	47
21	Circadian disruption in the pathogenesis of metabolic syndrome. Diabetes and Metabolism, 2014, 40, 338-346.	1.4	105
22	Circadian rhythms in leukocyte trafficking. Seminars in Immunopathology, 2014, 36, 149-62.	2.8	30
23	Chronobiology and Obesity: Interactions between Circadian Rhythms and Energy Regulation. Advances in Nutrition, 2014, 5, 312S-319S.	2.9	59
24	Robust synchronization of coupled circadian and cell cycle oscillators in single mammalian cells. Molecular Systems Biology, 2014, 10, 739.	3.2	173
25	Time in Motion: The Molecular Clock Meets the Microbiome. Cell, 2014, 159, 469-470.	13.5	24
26	Transkingdom Control of Microbiota Diurnal Oscillations Promotes Metabolic Homeostasis. Cell, 2014, 159, 514-529.	13.5	984
27	Circadian clock-mediated control of stem cell division and differentiation: beyond night and day. Development (Cambridge), 2014, 141, 3105-3111.	1.2	91
28	Why does the gut synthesize glucocorticoids?. Annals of Medicine, 2014, 46, 490-497.	1.5	35
29	Circadian control of tissue homeostasis and adult stem cells. Current Opinion in Cell Biology, 2014, 31, 8-15.	2.6	40
30	Symbiotic Bacterial Metabolites Regulate Gastrointestinal Barrier Function via the Xenobiotic Sensor PXR and Toll-like Receptor 4. Immunity, 2014, 41, 296-310.	6.6	708
31	Circadian regulation of metabolism. Journal of Endocrinology, 2014, 222, R75-R96.	1.2	172
32	The Microbiota, the Immune System and the Allograft. American Journal of Transplantation, 2014, 14, 1236-1248.	2.6	53
33	Neutrophil homeostasis and its regulation by danger signaling. Blood, 2014, 123, 3563-3566.	0.6	30
34	Phosphorylation of LSD1 by PKCÎ± Is Crucial for Circadian Rhythmicity and Phase Resetting. Molecular Cell, 2014, 53, 791-805.	4.5	84
35	Microbiota modulate transcription in the intestinal epithelium without remodeling the accessible chromatin landscape. Genome Research, 2014, 24, 1504-1516.	2.4	119
36	Lipid metabolites as metabolic messengers in inter-organ communication. Trends in Endocrinology and Metabolism, 2014, 25, 356-363.	3.1	51

#	Article	IF	Citations
37	Revâ€erbÎ± and the circadian transcriptional regulation of metabolism. Diabetes, Obesity and Metabolism, 2015, 17, 12-16.	2.2	26
38	Nuclear hormone receptors put immunity on sterols. European Journal of Immunology, 2015, 45, 2730-2741.	1.6	13
39	Microbiology: Create a global microbiome effort. Nature, 2015, 526, 631-634.	13.7	107
40	Use of Humanized Mice to Study the Pathogenesis of Autoimmune and Inflammatory Diseases. Inflammatory Bowel Diseases, 2015, 21, 1652-1673.	0.9	38
41	Editorial (Thematic Issue: Health Impact and Management of a Disrupted Circadian Rhythm and Sleep in) Tj ETQq0 0 0 rgBT /Overlock 10	0.9	14
42	Translational research into gut microbiota: new horizons on obesity treatment: updated 2014. Archives of Endocrinology and Metabolism, 2015, 59, 154-160.	0.3	27
43	Toll-like receptor 4 expression in the epithelium of inflammatory periapical lesions. An immunohistochemical study. European Journal of Histochemistry, 2015, 59, 2547.	0.6	13
44	Chronobiomics: The Biological Clock as a New Principle in Hostâ€“Microbial Interactions. PLoS Pathogens, 2015, 11, e1005113.	2.1	19
45	Retinoic Acid-Related Orphan Receptors (RORs): Regulatory Functions in Immunity, Development, Circadian Rhythm, and Metabolism. Nuclear Receptor Research, 2015, 2, .	2.5	136
46	Multiscale analysis of the murine intestine for modeling human diseases. Integrative Biology (United) Tj ETQq1 1 0.784314 rgBT /Ove	0.6	6
47	Metabolic effects of bariatric surgery in mouse models of circadian disruption. International Journal of Obesity, 2015, 39, 1310-1318.	1.6	23
48	Shifting the feeding of mice to the rest phase creates metabolic alterations, which, on their own, shift the peripheral circadian clocks by 12 hours. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6683-90.	3.3	98
49	Shifting eating to the circadian rest phase misaligns the peripheral clocks with the master SCN clock and leads to a metabolic syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6691-8.	3.3	151
50	From Hype to Hope: The Gut Microbiota in Enteric Infectious Disease. Cell, 2015, 163, 1326-1332.	13.5	156
51	Intestinal steroidogenesis. Steroids, 2015, 103, 64-71.	0.8	32
52	Time for epithelial sensing of vitamin D to step into the limelight. Gut, 2015, 64, 1013-1014.	6.1	5
53	Critical roles of intestinal epithelial vitamin D receptor signaling in controlling gut mucosal inflammation. Journal of Steroid Biochemistry and Molecular Biology, 2015, 148, 179-183.	1.2	105
54	The chemistry of negotiation: Rhythmic, glycan-driven acidification in a symbiotic conversation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 566-571.	3.3	83

#	Article	IF	Citations
55	The Circadian Clock in Skin. Journal of Biological Rhythms, 2015, 30, 163-182.	1.4	135
56	Metabolic Syndrome and Complications of Pregnancy. , 2015, , .		2
57	The effects of time-restricted feeding on lipid metabolism and adiposity. Adipocyte, 2015, 4, 319-324.	1.3	29
58	A day in the life of the meta-organism: diurnal rhythms of the intestinal microbiome and its host. Gut Microbes, 2015, 6, 137-142.	4.3	59
59	Effects of Diurnal Variation of Gut Microbes and High-Fat Feeding on Host Circadian Clock Function and Metabolism. Cell Host and Microbe, 2015, 17, 681-689.	5.1	634
60	Birth of the Infant Gut Microbiome: Moms Deliver Twice!. Cell Host and Microbe, 2015, 17, 543-544.	5.1	15
61	Circadian Metabolism in the Light of Evolution. Endocrine Reviews, 2015, 36, 289-304.	8.9	131
62	Message in a Biota: Gut Microbes Signal to the Circadian Clock. Cell Host and Microbe, 2015, 17, 541-543.	5.1	18
63	Time for Food: The Intimate Interplay between Nutrition, Metabolism, and the Circadian Clock. Cell, 2015, 161, 84-92.	13.5	608
64	HIV-associated mucosal gene expression. Aids, 2015, 29, 537-546.	1.0	13
65	The gut microbiota keeps enteric glial cells on the move; prospective roles of the gut epithelium and immune system. Gut Microbes, 2015, 6, 398-403.	4.3	45
66	Circadian rhythms, alcohol and gut interactions. Alcohol, 2015, 49, 389-398.	0.8	62
67	The dynamics of NF-Î¹B pathway regulated by circadian clock. Mathematical Biosciences, 2015, 260, 47-53.	0.9	8
68	The role of the microbiota in inflammation, carcinogenesis, and cancer therapy. European Journal of Immunology, 2015, 45, 17-31.	1.6	229
69	Xenobiotic Receptor-Mediated Regulation of Intestinal Barrier Function and Innate Immunity. Nuclear Receptor Research, 2016, 3, .	2.5	32
70	Innate Sensing of the Gut Microbiota: Modulation of Inflammatory and Autoimmune Diseases. Frontiers in Immunology, 2016, 7, 54.	2.2	60
71	Gut Microbiota: The Brain Peacekeeper. Frontiers in Microbiology, 2016, 7, 345.	1.5	140
72	Unconjugated Bile Acids Influence Expression of Circadian Genes: A Potential Mechanism for Microbe-Host Crosstalk. PLoS ONE, 2016, 11, e0167319.	1.1	97

#	Article	IF	Citations
73	Metagenome-wide association studies: fine-mining the microbiome. Nature Reviews Microbiology, 2016, 14, 508-522.	13.6	356
74	Rhythm and bugs. Current Opinion in Gastroenterology, 2016, 32, 7-11.	1.0	69
75	The Metronome of Symbiosis: Interactions Between Microbes and the Host Circadian Clock. Integrative and Comparative Biology, 2016, 56, 776-783.	0.9	12
76	The Circadian Clock Mutation Promotes Intestinal Dysbiosis. Alcoholism: Clinical and Experimental Research, 2016, 40, 335-347.	1.4	134
77	When to eat? The influence of circadian rhythms on metabolic health: are animal studies providing the evidence?. Nutrition Research Reviews, 2016, 29, 180-193.	2.1	25
78	The microbiome and innate immunity. Nature, 2016, 535, 65-74.	13.7	1,502
79	Microbiota Diurnal Rhythmicity Programs Host Transcriptome Oscillations. Cell, 2016, 167, 1495-1510.e12.	13.5	591
80	Ticking in Place for the Microbiome to Message Out. Cell Metabolism, 2016, 24, 775-777.	7.2	7
81	Precision medicine in alcoholic and nonalcoholic fatty liver disease via modulating the gut microbiota. American Journal of Physiology - Renal Physiology, 2016, 311, G1018-G1036.	1.6	64
82	Metabolomics of fecal samples: A practical consideration. Trends in Food Science and Technology, 2016, 57, 244-255.	7.8	58
83	Circadian rhythm abnormalities â€“ Association with the course of inflammatory bowel disease. Pharmacological Reports, 2016, 68, 847-851.	1.5	28
84	Cardiolipins Act as a Selective Barrier to Toll-Like Receptor 4 Activation in the Intestine. Applied and Environmental Microbiology, 2016, 82, 4264-4278.	1.4	10
85	Circadian Metabolism: From Mechanisms to Metabolomics and Medicine. Trends in Endocrinology and Metabolism, 2016, 27, 415-426.	3.1	95
86	Regulation of Cutaneous Stress Response Pathways by the Circadian Clock: From Molecular Pathways to Therapeutic Opportunities. , 2016, , 281-300.		3
87	Emerging roles of orphan nuclear receptors in regulation of innate immunity. Archives of Pharmacal Research, 2016, 39, 1491-1502.	2.7	9
88	Gut microbiota directs <scp>PPAR</scp> Î³â€driven reprogramming of the liver circadian clock by nutritional challenge. EMBO Reports, 2016, 17, 1292-1303.	2.0	127
89	Immunity around the clock. Science, 2016, 354, 999-1003.	6.0	228
90	Mechanisms linking circadian clocks, sleep, and neurodegeneration. Science, 2016, 354, 1004-1008.	6.0	542

#	Article	IF	Citations
91	The melatonin-sensitive circadian clock of the enteric bacteriumEnterobacter aerogenes. Gut Microbes, 2016, 7, 424-427.	4.3	35
92	The circadian coordination of cell biology. Journal of Cell Biology, 2016, 215, 15-25.	2.3	132
93	The Gut Microbiota. Gastroenterology Clinics of North America, 2016, 45, 601-614.	1.0	34
94	Hepatic circadian clock oscillators and nuclear receptors integrate microbiome-derived signals. Scientific Reports, 2016, 6, 20127.	1.6	92
95	Accounting for reciprocal hostâ€“microbiome interactions in experimental science. Nature, 2016, 534, 191-199.	13.7	205
96	Human Milk Components Modulate Toll-Like Receptorâ€“Mediated Inflammation. Advances in Nutrition, 2016, 7, 102-111.	2.9	114
97	Daily Eating Patterns and Their Impact on Health and Disease. Trends in Endocrinology and Metabolism, 2016, 27, 69-83.	3.1	195
98	Circadian Clock Control of Liver Metabolic Functions. Gastroenterology, 2016, 150, 574-580.	0.6	209
99	Stress as a Normal Cue in the Symbiotic Environment. Trends in Microbiology, 2016, 24, 414-424.	3.5	36
100	Drugging Membrane Protein Interactions. Annual Review of Biomedical Engineering, 2016, 18, 51-76.	5.7	237
101	The influence of commensal bacteria on infection with enteric viruses. Nature Reviews Microbiology, 2016, 14, 197-204.	13.6	151
102	Circadian Clocks: Role in Health and Disease. , 2016, , .		8
103	A conserved chemical dialog of mutualism: lessons from squid and vibrio. Microbes and Infection, 2016, 18, 1-10.	1.0	30
104	Nutritional modulation of gut microbiota â€" the impact on metabolic disease pathophysiology. Journal of Nutritional Biochemistry, 2016, 28, 191-200.	1.9	77
105	Similarities and differences in the transcriptional control of expression of the mouse TSLP gene in skin epidermis and intestinal epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E951-E960.	3.3	16
106	Microbes and Cancer. Annual Review of Immunology, 2017, 35, 199-228.	9.5	202
107	Experimental study on 1,25(<scp>OH</scp>)₂D₃ amelioration of oral lichen planus through regulating NFâ€ÎB signaling pathway. Oral Diseases, 2017, 23, 770-778.	1.5	28
108	<scp>NF</scp>â€ÎºB signalling is involved in immuneâ€modulation, but not basal functioning, of the mouse suprachiasmatic circadian clock. European Journal of Neuroscience, 2017, 45, 1111-1123.	1.2	13

#	Article	IF	Citations
109	Timing of meals: when is as critical as what and how much. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E369-E380.	1.8	54
110	Microbiota-Induced Antibodies Are Essential for Host Inflammatory Responsiveness to Sterile and Infectious Stimuli. Journal of Immunology, 2017, 198, 4096-4106.	0.4	11
111	Tissue adaptation: Implications for gut immunity and tolerance. Journal of Experimental Medicine, 2017, 214, 1211-1226.	4.2	51
112	Conditional postnatal deletion of the neonatal murine hepatic circadian gene, Npas2, alters the gut microbiome following restricted feeding. American Journal of Obstetrics and Gynecology, 2017, 217, 218.e1-218.e15.	0.7	8
113	The Circadian Clock Gene BMAL1 Coordinates IntestinalÂRegeneration. Cellular and Molecular Gastroenterology and Hepatology, 2017, 4, 95-114.	2.3	69
114	Whey protein effects on energy balance link the intestinal mechanisms of energy absorption with adiposity and hypothalamic neuropeptide gene expression. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E1-E11.	1.8	23
115	Microbiota: a key orchestrator of cancer therapy. Nature Reviews Cancer, 2017, 17, 271-285.	12.8	699
116	Microbiota-Dependent Induction of Colonic Cyp27b1 Is Associated With Colonic Inflammation: Implications of Locally Produced 1,25-Dihydroxyvitamin D3 in Inflammatory Regulation in the Colon. Endocrinology, 2017, 158, 4064-4075.	1.4	25
117	Aging and the Circadian Control of the Gastrointestinal System: From the Brain to the Gut Microbiome (and Back). Healthy Ageing and Longevity, 2017, , 83-101.	0.2	1
118	Microbiota-related Changes in Bile Acid & Tryptophan Metabolism are Associated with Gastrointestinal Dysfunction in a Mouse Model of Autism. EBioMedicine, 2017, 24, 166-178.	2.7	261
119	Effect of Jiaotai Pill (äºæ³°ä¸¸) on intestinal damage in partially sleep deprived rats. Chinese Journal of Integrative Medicine, 2017, 23, 901-907.	0.7	11
120	Keeping Time in a Relay Race for Fat. Cell Host and Microbe, 2017, 22, 425-427.	5.1	1
121	Microbes REV up Host Metabolism around the Clock. Immunity, 2017, 47, 618-620.	6.6	2
122	Circadian Clocks and Metabolism: Implications for Microbiome and Aging. Trends in Genetics, 2017, 33, 760-769.	2.9	67
123	The intestinal microbiota regulates body composition through NFIL3 and the circadian clock. Science, 2017, 357, 912-916.	6.0	319
124	Timing the Microbes: The Circadian Rhythm of the Gut Microbiome. Journal of Biological Rhythms, 2017, 32, 505-515.	1.4	95
125	Distinct Circadian Signatures in Liver and Gut Clocks Revealed by Ketogenic Diet. Cell Metabolism, 2017, 26, 523-538.e5.	7.2	162
126	Inherited variation in circadian rhythm genes and risks of prostate cancer and three other cancer sites in combined cancer consortia. International Journal of Cancer, 2017, 141, 1794-1802.	2.3	28

#	Article	IF	Citations
127	Circadian Coordination of Antimicrobial Responses. Cell Host and Microbe, 2017, 22, 185-192.	5.1	50
128	Complex interactions of circadian rhythms, eating behaviors, and the gastrointestinal microbiota and their potential impact on health. Nutrition Reviews, 2017, 75, 673-682.	2.6	76
129	NFIL-trating the Host Circadian Rhythmâ€"Microbes Fine-Tune the Epithelial Clock. Cell Metabolism, 2017, 26, 699-700.	7.2	7
130	The Human Microbiome and Obesity: Moving beyond Associations. Cell Host and Microbe, 2017, 22, 589-599.	5.1	366
131	Circadian rhythm disruption impairs tissue homeostasis and exacerbates chronic inflammation in the intestine. FASEB Journal, 2017, 31, 4707-4719.	0.2	59
132	Diurnal cycling of rhizosphere bacterial communities is associated with shifts in carbon metabolism. Microbiome, 2017, 5, 65.	4.9	62
133	Clock Genes, Metabolism, and Cardiovascular Risk. Heart Failure Clinics, 2017, 13, 645-655.	1.0	25
134	RAR-Related Orphan Receptor Gamma (ROR-Î³) Mediates Epithelial-Mesenchymal Transition Of Hepatocytes During Hepatic Fibrosis. Journal of Cellular Biochemistry, 2017, 118, 2026-2036.	1.2	18
135	Fusobacterium nucleatum Increases Proliferation of Colorectal Cancer Cells and Tumor Development in Mice by Activating Toll-Like Receptor 4 Signaling to Nuclear Factorâ^ÎºB, and Up-regulating Expression of MicroRNA-21. Gastroenterology, 2017, 152, 851-866.e24.	0.6	711
136	Role of the gut microbiota in host appetite control: bacterial growth to animal feeding behaviour. Nature Reviews Endocrinology, 2017, 13, 11-25.	4.3	273
137	Interaction between stress responses and circadian metabolism in metabolic disease. Liver Research, 2017, 1, 156-162.	0.5	16
138	Vitamin D Axis in Inflammatory Bowel Diseases: Role, Current Uses and Future Perspectives. International Journal of Molecular Sciences, 2017, 18, 2360.	1.8	54
139	Regulation of Mammalian Physiology by Interconnected Circadian and Feeding Rhythms. Frontiers in Endocrinology, 2017, 8, 42.	1.5	33
140	Desynchronization of Circadian Clocks in Cancer: A Metabolic and Epigenetic Connection. Frontiers in Endocrinology, 2017, 8, 136.	1.5	25
141	Hostâ€"Microbiota Mutualism in Metabolic Diseases. Frontiers in Endocrinology, 2017, 8, 267.	1.5	20
142	The Microbiome and Blood Pressure:â€‰Can Microbes Regulate Our Blood Pressure?. Frontiers in Pediatrics, 2017, 5, 138.	0.9	102
143	RORÎ±-expressing T regulatory cells restrain allergic skin inflammation. Science Immunology, 2018, 3, .	5.6	97
144	The endogenous circadian clock programs animals to eat at certain times of the 24-hour day: What if we ignore the clock?. Physiology and Behavior, 2018, 193, 211-217.	1.0	8

#	Article	IF	Citations
145	Clocking in to immunity. Nature Reviews Immunology, 2018, 18, 423-437.	10.6	346
146	Glucocorticoids Drive Diurnal Oscillations in T Cell Distribution and Responses by Inducing Interleukin-7 Receptor and CXCR4. Immunity, 2018, 48, 286-298.e6.	6.6	118
147	Gut Epithelial Vitamin D Receptor Regulates Microbiota-Dependent Mucosal Inflammation by Suppressing Intestinal Epithelial Cell Apoptosis. Endocrinology, 2018, 159, 967-979.	1.4	86
148	Expression profiles and functional annotation analysis of mRNAs in suprachiasmatic nucleus of Clock mutant mice. Gene, 2018, 647, 107-114.	1.0	5
149	Environmental regulation of metabolism through the circadian clock. Current Opinion in Toxicology, 2018, 8, 93-101.	2.6	3
150	Microbiotaâ€“Host Transgenomic Metabolism, Bioactive Molecules from the Inside. Journal of Medicinal Chemistry, 2018, 61, 47-61.	2.9	91
151	Interplay between Microbes and the Circadian Clock. Cold Spring Harbor Perspectives in Biology, 2018, 10, a028365.	2.3	26
152	Timing of food intake impacts daily rhythms of human salivary microbiota: a randomized, crossover study. FASEB Journal, 2018, 32, 2060-2072.	0.2	126
153	Analysing the Expression of Eight Clock Genes in Five Tissues From Fasting and Fed Sows. Frontiers in Genetics, 2018, 9, 475.	1.1	7
154	Intestinal microbiome adjusts the innate immune setpoint during colonization through negative regulation of MyD88. Nature Communications, 2018, 9, 4099.	5.8	73
155	Requirement for NF-Î°B in maintenance of molecular and behavioral circadian rhythms in mice. Genes and Development, 2018, 32, 1367-1379.	2.7	76
156	The Neuroendocrinology of the Microbiota-Gut-Brain Axis: A Behavioural Perspective. Frontiers in Neuroendocrinology, 2018, 51, 80-101.	2.5	218
157	Nutrition and Inflammation: Are Centenarians Similar to Individuals on Calorie-Restricted Diets?. Annual Review of Nutrition, 2018, 38, 329-356.	4.3	58
158	Update on the Gastrointestinal Microbiome in Systemic Sclerosis. Current Rheumatology Reports, 2018, 20, 49.	2.1	42
159	Enteric Microbiotaâ€“Gutâ€“Brain Axis from the Perspective of Nuclear Receptors. International Journal of Molecular Sciences, 2018, 19, 2210.	1.8	21
160	The Biological Clock: A Pivotal Hub in Non-alcoholic Fatty Liver Disease Pathogenesis. Frontiers in Physiology, 2018, 9, 193.	1.3	49
161	Complementary intestinal mucosa and microbiota responses to caloric restriction. Scientific Reports, 2018, 8, 11338.	1.6	37
162	Potential Chronotherapeutic Optimization of Antimalarials in Systemic Lupus Erythematosus: Is Toll-Like Receptor 9 Expression Dependent on the Circadian Cycle in Humans?. Frontiers in Immunology, 2018, 9, 1497.	2.2	6

#	Article	IF	Citations
163	Mechanisms: Xenobiotic Receptor-Mediated Toxicity. , 2018, , 202-228.		0
164	At the Intersection of Microbiota and Circadian Clock: Are Sexual Dimorphism and Growth Hormones the Missing Link to Pathology?. BioEssays, 2019, 41, 1900059.	1.2	10
165	The role for the microbiome in the regulation of the circadian clock and metabolism. , 2019, , 231-248.		2
166	Ambient pH Alters the Protein Content of Outer Membrane Vesicles, Driving Host Development in a Beneficial Symbiosis. Journal of Bacteriology, 2019, 201, .	1.0	31
167	Baseline microbiota composition modulates antibiotic-mediated effects on the gut microbiota and host. Microbiome, 2019, 7, 111.	4.9	50
168	Extra-Adrenal Glucocorticoid Synthesis in the Intestinal Mucosa: Between Immune Homeostasis and Immune Escape. Frontiers in Immunology, 2019, 10, 1438.	2.2	46
169	Vitamin D/Vitamin D Receptor Signaling Is Required for Normal Development and Function of Group 3 Innate Lymphoid Cells in the Gut. IScience, 2019, 17, 119-131.	1.9	38
170	Combined Analysis of Metabolomes, Proteomes, and Transcriptomes of Hepatitis C Virusâ€"Infected Cells and Liver to Identify Pathways Associated With Disease Development. Gastroenterology, 2019, 157, 537-551.e9.	0.6	71
171	The Impact of Time of Day on Energy Expenditure: Implications for Long-Term Energy Balance. Nutrients, 2019, 11, 2383.	1.7	28
172	Glucorticoidâ€•induced obesity individuals have distinct signatures of the gut microbiome. BioFactors, 2019, 45, 892-901.	2.6	30
173	The Molecular Mechanism Regulating Diurnal Rhythm of Flavin-Containing Monooxygenase 5 in Mouse Liver. Drug Metabolism and Disposition, 2019, 47, 1333-1342.	1.7	26
174	Keto microbiota: A powerful contributor to host disease recovery. Reviews in Endocrine and Metabolic Disorders, 2019, 20, 415-425.	2.6	45
175	At the Interface of Lifestyle, Behavior, and Circadian Rhythms: Metabolic Implications. Frontiers in Nutrition, 2019, 6, 132.	1.6	62
176	â€œGut Microbiota-Circadian Clock Axisâ€•in Deciphering the Mechanism Linking Early-Life Nutritional Environment and Abnormal Glucose Metabolism. International Journal of Endocrinology, 2019, 2019, 1-9.	0.6	11
177	Regional Diversity of the Gastrointestinal Microbiome. Cell Host and Microbe, 2019, 26, 314-324.	5.1	247
178	Dietâ€"microbiota interactions and personalized nutrition. Nature Reviews Microbiology, 2019, 17, 742-753.	13.6	514
179	The intestinal microbiota programs diurnal rhythms in host metabolism through histone deacetylase 3. Science, 2019, 365, 1428-1434.	6.0	202
180	RORÎ± is crucial for attenuated inflammatory response to maintain intestinal homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21140-21149.	3.3	52

#	Article	IF	Citations
181	D-site binding protein regulates cell proliferation through mediating cell cycle progression in rat mesangial cells. Tissue and Cell, 2019, 61, 35-43.	1.0	1
182	Going green with solar-powered ILC3 homeostasis. Science Immunology, 2019, 4, .	5.6	2
183	Time-restricted feeding causes irreversible metabolic disorders and gut microbiota shift in pediatric mice. Pediatric Research, 2019, 85, 518-526.	1.1	32
184	Circadian Rhythm Disruption Aggravates DSS-Induced Colitis in Mice with Fecal Calprotectin as a Marker of Colitis Severity. Digestive Diseases and Sciences, 2019, 64, 3122-3133.	1.1	25
185	Are There Circadian Clocks in Non-Photosynthetic Bacteria?. Biology, 2019, 8, 41.	1.3	26
186	The glucocorticoid receptor agonistic modulators CpdX and CpdX-D3 do not generate the debilitating effects of synthetic glucocorticoids. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14200-14209.	3.3	12
187	The PPARâ€“microbiotaâ€“metabolic organ trilogy to fineâ€tune physiology. FASEB Journal, 2019, 33, 9706-9730.	0.2	46
188	CRTAM Shapes the Gut Microbiota and Enhances the Severity of Infection. Journal of Immunology, 2019, 203, 532-543.	0.4	8
189	Defining the Independence of the Liver Circadian Clock. Cell, 2019, 177, 1448-1462.e14.	13.5	213
190	Nuclear Receptors Regulate Intestinal Inflammation in the Context of IBD. Frontiers in Immunology, 2019, 10, 1070.	2.2	47
191	Holobiont chronobiology: mycorrhiza may be a key to linking aboveground and underground rhythms. Mycorrhiza, 2019, 29, 403-412.	1.3	15
192	The circadian regulation of food intake. Nature Reviews Endocrinology, 2019, 15, 393-405.	4.3	256
193	Vitamin D Deficiency in the Gulf Cooperation Council: Exploring the Triad of Genetic Predisposition, the Gut Microbiome and the Immune System. Frontiers in Immunology, 2019, 10, 1042.	2.2	31
194	New Insights Into the Circadian Rhythm and Its Related Diseases. Frontiers in Physiology, 2019, 10, 682.	1.3	151
195	The Circadian Clock Gene Bmal1 Controls Intestinal Exporter MRP2 and Drug Disposition. Theranostics, 2019, 9, 2754-2767.	4.6	61
196	Seasonal Clock Changes Are Underappreciated Health Risksâ€”Also in IBD?. Frontiers in Medicine, 2019, 6, 103.	1.2	6
197	The circadian clock and liver function in health and disease. Journal of Hepatology, 2019, 71, 200-211.	1.8	128
198	The power of small changes: Comprehensive analyses of microbial dysbiosis in breast cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2019, 1871, 392-405.	3.3	87

#	Article	IF	Citations
199	Off the Clock: From Circadian Disruption to Metabolic Disease. International Journal of Molecular Sciences, 2019, 20, 1597.	1.8	91
200	Depletion of Gram-Positive Bacteria Impacts Hepatic Biological Functions During the Light Phase. International Journal of Molecular Sciences, 2019, 20, 812.	1.8	8
201	Lung Microbiota Contribute to Pulmonary Inflammation and Disease Progression in Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1127-1138.	2.5	205
202	Timing of Calorie Restriction in Mice Impacts Host Metabolic Phenotype with Correlative Changes in Gut Microbiota. MSystems, 2019, 4, .	1.7	28
203	The connection of circadian rhythm to inflammatory bowel disease. Translational Research, 2019, 206, 107-118.	2.2	44
204	Aging, melatonin biosynthesis, and circadian clockworks in the gastrointestinal system of the laboratory mouse. Physiological Genomics, 2019, 51, 1-9.	1.0	18
205	Multi-etiological Perspective on Child Obesity Prevention. Current Nutrition Reports, 2019, 8, 1-10.	2.1	23
206	Crosstalk between metabolism and circadian clocks. Nature Reviews Molecular Cell Biology, 2019, 20, 227-241.	16.1	375
207	Mechanistic insights from human studies of asthma. , 2019, , 89-110.		0
208	The Mouse Microbiome Is Required for Sex-Specific Diurnal Rhythms of Gene Expression and Metabolism. Cell Metabolism, 2019, 29, 362-382.e8.	7.2	178
209	The circadian clock regulates the diurnal levels of microbial shortâ€chain fatty acids and their rhythmic effects on colon contractility in mice. Acta Physiologica, 2019, 225, e13193.	1.8	64
210	Time after time: circadian clock regulation of intestinal stem cells. Cellular and Molecular Life Sciences, 2020, 77, 1267-1288.	2.4	20
211	Melatonin mediates mucosal immune cells, microbial metabolism, and rhythm crosstalk: A therapeutic target to reduce intestinal inflammation. Medicinal Research Reviews, 2020, 40, 606-632.	5.0	100
212	Outcomes of a low birth weight phenotype on piglet gut microbial composition and intestinal transcriptomic profile. Canadian Journal of Animal Science, 2020, 100, 47-58.	0.7	2
213	Intersection of the Gut Microbiome and Circadian Rhythms in Metabolism. Trends in Endocrinology and Metabolism, 2020, 31, 25-36.	3.1	89
214	Molecular Connections Between Circadian Clocks and Aging. Journal of Molecular Biology, 2020, 432, 3661-3679.	2.0	52
215	The neuropeptide VIP confers anticipatory mucosal immunity by regulating ILC3 activity. Nature Immunology, 2020, 21, 168-177.	7.0	133
216	Jiao-tai-wan inhibits inflammation of the gut-brain-axis and attenuates cognitive impairment in insomnic rats. Journal of Ethnopharmacology, 2020, 250, 112478.	2.0	17

#	Article	IF	Citations
217	Naturally-derived chronobiotics in chrononutrition. Trends in Food Science and Technology, 2020, 95, 173-182.	7.8	9
218	The Circadian Clock as an Essential Molecular Link Between Host Physiology and Microorganisms. Frontiers in Cellular and Infection Microbiology, 2019, 9, 469.	1.8	34
219	ILC3s gut rhythm. Nature Immunology, 2020, 21, 106-108.	7.0	5
220	Diurnal Rhythmicity Programs of Microbiota and Transcriptional Oscillation of Circadian Regulator, NFIL3. Frontiers in Immunology, 2020, 11, 552188.	2.2	13
221	A novel role for the pineal gland: Regulating seasonal shifts in the gut microbiota of Siberian hamsters. Journal of Pineal Research, 2020, 69, e12696.	3.4	12
222	Crosstalk between circadian rhythms and the microbiota. Immunology, 2020, 161, 278-290.	2.0	26
223	Interactions among microbes, the immune system, and the circadian clock. Seminars in Immunopathology, 2020, 42, 697-708.	2.8	19
224	Circadian influence on the microbiome improves heart failure outcomes. Journal of Molecular and Cellular Cardiology, 2020, 149, 54-72.	0.9	19
225	Circadian Host-Microbiome Interactions in Immunity. Frontiers in Immunology, 2020, 11, 1783.	2.2	36
226	Circadian clock components Bmal1 and Clock1 regulate tlr9 gene expression in the Japanese medaka (Oryzias latipes). Fish and Shellfish Immunology, 2020, 105, 438-445.	1.6	11
227	The bidirectional nature of microbiome-epithelial cell interactions. Current Opinion in Microbiology, 2020, 56, 45-51.	2.3	25
228	Gut microbiota depletion by chronic antibiotic treatment alters the sleep/wake architecture and sleep EEG power spectra in mice. Scientific Reports, 2020, 10, 19554.	1.6	59
229	Control of immunity by glucocorticoids in health and disease. Seminars in Immunopathology, 2020, 42, 669-680.	2.8	92
230	Mediators of Hostâ€“Microbe Circadian Rhythms in Immunity and Metabolism. Biology, 2020, 9, 417.	1.3	6
231	Advances in the Involvement of Gut Microbiota in Pathophysiology of NAFLD. Frontiers in Medicine, 2020, 7, 361.	1.2	47
232	Peroxisome Proliferator-Activated Receptors and Caloric Restrictionâ€”Common Pathways Affecting Metabolism, Health, and Longevity. Cells, 2020, 9, 1708.	1.8	39
233	Perturbation of the circadian clock and pathogenesis of NAFLD. Metabolism: Clinical and Experimental, 2020, 111, 154337.	1.5	25
234	Circadian rhythms and the gut microbiota: from the metabolic syndrome to cancer. Nature Reviews Endocrinology, 2020, 16, 731-739.	4.3	149

#	Article	IF	Citations
235	The Gut Microbiome and Individual-Specific Responses to Diet. MSystems, 2020, 5, .	1.7	58
236	Expression of antimicrobial peptide genes oscillates along day/night rhythm protecting mice skin from bacteria. Experimental Dermatology, 2021, 30, 1418-1427.	1.4	14
237	Circadian Rhythms and the Gastrointestinal Tract: Relationship to Metabolism and Gut Hormones. Endocrinology, 2020, 161, .	1.4	20
238	PPARs and Microbiota in Skeletal Muscle Health and Wasting. International Journal of Molecular Sciences, 2020, 21, 8056.	1.8	50
239	The beneficial effects of intermittent fasting: an update on mechanism, and the role of circadian rhythm and gut microbiota. Hepatobiliary Surgery and Nutrition, 2020, 9, 597-602.	0.7	16
240	Transcriptional Control of Circadian Rhythms and Metabolism: A Matter of Time and Space. Endocrine Reviews, 2020, 41, 707-732.	8.9	66
241	Free Fatty Acid Receptors 2 and 3 as Microbial Metabolite Sensors to Shape Host Health: Pharmacophysiological View. Biomedicines, 2020, 8, 154.	1.4	49
242	Colonization by Enterobacteriaceae is crucial for acute inflammatory responses in murine small intestine via regulation of corticosterone production. Gut Microbes, 2020, 11, 1531-1546.	4.3	27
243	Circadian Regulation of Adult Stem Cell Homeostasis and Aging. Cell Stem Cell, 2020, 26, 817-831.	5.2	49
244	Tailoring plant-associated microbial inoculants in agriculture: a roadmap for successful application. Journal of Experimental Botany, 2020, 71, 3878-3901.	2.4	118
245	Circadian regulation of appetite and time restricted feeding. Physiology and Behavior, 2020, 220, 112873.	1.0	22
246	The link â€œCancer and autoimmune diseasesâ€•in the light of microbiota: Evidence of a potential culprit. Immunology Letters, 2020, 222, 12-28.	1.1	14
247	Activation and Suppression of Group 3 Innate Lymphoid Cells in the Gut. Trends in Immunology, 2020, 41, 721-733.	2.9	42
248	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. PLoS ONE, 2020, 15, e0229001.	1.1	56
249	Intestinal Flora Modulates Blood Pressure by Regulating the Synthesis of Intestinal-Derived Corticosterone in High Salt-Induced Hypertension. Circulation Research, 2020, 126, 839-853.	2.0	120
250	When Rhythms Meet the Blues: Circadian Interactions with the Microbiota-Gut-Brain Axis. Cell Metabolism, 2020, 31, 448-471.	7.2	101
251	Microbes in the Era of Circadian Medicine. Frontiers in Cellular and Infection Microbiology, 2020, 10, 30.	1.8	21
252	Role of the microbiota in circadian rhythms of the host. Chronobiology International, 2020, 37, 301-310.	0.9	14

#	Article	IF	Citations
253	Circadian Rhythms in the Pathogenesis and Treatment of Fatty Liver Disease. Gastroenterology, 2020, 158, 1948-1966.e1.	0.6	84
254	Circadian Rhythms in Immunity. Current Allergy and Asthma Reports, 2020, 20, 2.	2.4	28
255	Circadian Influences of Diet on the Microbiome and Immunity. Trends in Immunology, 2020, 41, 512-530.	2.9	49
256	â€œCircadian misalignment and the gut microbiome. A bidirectional relationship triggering inflammation and metabolic disordersâ€• a literature review. Sleep Medicine, 2020, 72, 93-108.	0.8	19
257	The HPA axis dysregulation in severe mental illness: Can we shift the blame to gut microbiota?. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 102, 109951.	2.5	146
258	The Microbiome as a Circadian Coordinator of Metabolism. Endocrinology, 2020, 161, .	1.4	24
259	Transcriptional programmes underlying cellular identity and microbial responsiveness in the intestinal epithelium. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 7-23.	8.2	28
260	The interplay between mast cells, pineal gland, and circadian rhythm: Links between histamine, melatonin, and inflammatory mediators. Journal of Pineal Research, 2021, 70, e12699.	3.4	31
261	Pharmacological activation of REV-ERBÎ± improves nonalcoholic steatohepatitis by regulating intestinal permeability. Metabolism: Clinical and Experimental, 2021, 114, 154409.	1.5	19
262	Current Concepts, Opportunities, and Challenges of Gut Microbiome-Based Personalized Medicine in Nonalcoholic Fatty Liver Disease. Cell Metabolism, 2021, 33, 21-32.	7.2	98
263	Disease Implications of the Circadian Clocks and Microbiota Interface. , 2021, , 329-349.		1
264	Basic Biology of Rhythms and the Microbiome. , 2021, , 317-328.		3
265	The role of the intestinal microbiota in the pathogenesis of host depression and mechanism of TPs relieving depression. Food and Function, 2021, 12, 7651-7663.	2.1	15
266	Recent trends in Modern Microbial Technology. , 2021, , .		0
267	Crosstalk between gut microbiota and sepsis. Burns and Trauma, 2021, 9, tkab036.	2.3	24
268	Circadian clocks in the digestive system. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 239-251.	8.2	65
269	The faecal abundance of short chain fatty acids is increased in men with a non-dipping blood pressure profile. Acta Cardiologica, 2021, , 1-4.	0.3	3
270	High-salt diet suppresses autoimmune demyelination by regulating the bloodâ€“brain barrier permeability. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25

#	Article	IF	Citations
271	Human Stool Metabolome Differs upon 24 h Blood Pressure Levels and Blood Pressure Dipping Status: A Prospective Longitudinal Study. Metabolites, 2021, 11, 282.	1.3	7
273	The Gut Microbiota Affects Corticosterone Production in the Murine Small Intestine. International Journal of Molecular Sciences, 2021, 22, 4229.	1.8	15
274	Intermittent fasting contributes to aligned circadian rhythms through interactions with the gut microbiome. Beneficial Microbes, 2021, 12, 147-161.	1.0	20
275	The Microbiota and the Gutâ€“Brain Axis in Controlling Food Intake and Energy Homeostasis. International Journal of Molecular Sciences, 2021, 22, 5830.	1.8	37
276	Circadian rhythms and the gut microbiome synchronize the hostâ€™s metabolic response to diet. Cell Metabolism, 2021, 33, 873-887.	7.2	53
277	Circadian rhythms in the tissue-specificity from metabolism to immunity: insights from omics studies. Molecular Aspects of Medicine, 2021, 80, 100984.	2.7	12
278	Circadian Rhythm Modulation of Microbes During Health and Infection. Frontiers in Microbiology, 2021, 12, 721004.	1.5	10
279	Regulatory Effects of Clock and Bmal1 on Circadian Rhythmic TLR Expression. International Reviews of Immunology, 2023, 42, 101-112.	1.5	6
280	L-cell Arntl is required for rhythmic glucagon-like peptide-1 secretion and maintenance of intestinal homeostasis. Molecular Metabolism, 2021, 54, 101340.	3.0	12
281	Microbiota and sleep: awakening the gut feeling. Trends in Molecular Medicine, 2021, 27, 935-945.	3.5	65
282	The Role of Gut Microbiota in Circadian Stress. , 2022, , 238-238.		0
283	Molecular Mechanisms of Glucocorticoid-Induced Insulin Resistance. International Journal of Molecular Sciences, 2021, 22, 623.	1.8	89
284	Health benefits of dietary chronobiotics: beyond resynchronizing internal clocks. Food and Function, 2021, 12, 6136-6156.	2.1	14
285	Antiviral Probiotics: A New Concept in Medical Sciences. , 2017, , 1-46.		13
286	Circadian Clock and CYP Metabolism. , 2020, , 65-87.		1
287	Sleep, circadian rhythm, and gut microbiota. Sleep Medicine Reviews, 2020, 53, 101340.	3.8	201
288	The relationship between host circadian rhythms and intestinal microbiota: A new cue to improve health by tea polyphenols. Critical Reviews in Food Science and Nutrition, 2021, 61, 139-148.	5.4	39
292	Intestinal clock system regulates skeletal homeostasis. JCI Insight, 2019, 4, .	2.3	23

#	Article	IF	Citations
293	The gut microbiome and metabolic syndrome. Journal of Clinical Investigation, 2019, 129, 4050-4057.	3.9	415
294	Hair regrowth following fecal microbiota transplantation in an elderly patient with alopecia areata: A case report and review of the literature. World Journal of Clinical Cases, 2019, 7, 3074-3081.	0.3	39
295	Genomic dissection of conserved transcriptional regulation in intestinal epithelial cells. PLoS Biology, 2017, 15, e2002054.	2.6	80
296	Human Gut Bacteria Are Sensitive to Melatonin and Express Endogenous Circadian Rhythmicity. PLoS ONE, 2016, 11, e0146643.	1.1	169
297	Gut Microbiota Conversion of Dietary Ellagic Acid into Bioactive Phytoceutical Urolithin A Inhibits Heme Peroxidases. PLoS ONE, 2016, 11, e0156811.	1.1	99
298	Gut Microbial Metabolites Induce Changes in Circadian Oscillation of Clock Gene Expression in the Mouse Embryonic Fibroblasts. Molecules and Cells, 2020, 43, 276-285.	1.0	12
299	Time-restricted feeding during childhood has persistent effects on mice commensal microbiota. Annals of Translational Medicine, 2019, 7, 556-556.	0.7	10
300	Crosstalk Between The Immune Receptors and Gut Microbiota. Current Protein and Peptide Science, 2015, 16, 622-631.	0.7	43
301	Toll-like receptors and immune cell crosstalk in the intestinal epithelium. AIMS Allergy and Immunology, 2019, 3, 13-31.	0.3	7
302	Circadian disruption and divergent microbiota acquisition under extended photoperiod regimens in chicken. PeerJ, 2019, 7, e6592.	0.9	28
303	A reproducible approach to high-throughput biological data acquisition and integration. PeerJ, 2015, 3, e791.	0.9	12
304	Gut microbiota as a transducer of dietary cues to regulate host circadian rhythms and metabolism. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 679-689.	8.2	70
305	Gut microbiota changes in preeclampsia, abnormal placental growth and healthy pregnant women. BMC Microbiology, 2021, 21, 265.	1.3	24
307	Loss of diurnal behavioral rhythms and impaired lipid metabolism in growing pigs with mistimed feeding. FASEB Journal, 2021, 35, e21972.	0.2	4
308	Disbalance of the Duodenal Epithelial Cell Turnover and Apoptosis Accompanies Insensitivity of Intestinal Redox Homeostasis to Inhibition of the Brain Glucose-Dependent Insulinotropic Polypeptide Receptors in a Rat Model of Sporadic Alzheimerâ€™s Disease. Neuroendocrinology, 2022, 112, 744-762.	1.2	15
309	Diurnal changes in the murine small intestine are disrupted by obesogenic Western Diet feeding and microbial dysbiosis. Scientific Reports, 2021, 11, 20571.	1.6	6
310	Ontogeny and function of the circadian clock in intestinal organoids. EMBO Journal, 2022, 41, e106973.	3.5	24
311	Gut microbiota dysbiosis of type 2 diabetic mice impairs the intestinal daily rhythms of GLP-1 sensitivity. Acta Diabetologica, 2022, 59, 243-258.	1.2	8

#	Article	IF	Citations
312	Gut microbiotaâ€"a positive contributor in the process of intermittent fasting-mediated obesity control. Animal Nutrition, 2021, 7, 1283-1295.	2.1	12
313	Circadian Clock, Sleep, and Diet. , 0, , .		0
314	Gut Microbiota-Derived Metabolites in Colorectal Cancer: The Bad and the Challenges. Frontiers in Oncology, 2021, 11, 739648.	1.3	30
315	Nutrition Around the Clock and Inflammation: The Right Food at the Right Time Makes the Difference. , 2015, , 229-238.		0
316	Rhythms in the Digestive System. , 2016, , 267-293.		0
317	Vitamin D/Vitamin D Receptor Signaling is Required for Normal Development and Function of Group Innate Lymphoid Cells in the Gut. SSRN Electronic Journal, 0, , .	0.4	1
318	Positive and Negative Effects of the Commensal Bacteria on Carcinogenesis. Sudan Journal of Medical Sciences, 0, , .	0.3	0
320	Circadiane Regulation des Immunsystems. , 2020, , 159-172.		0
322	Circadian Rhythms in Health and Disease. , 2020, , 17-35.		0
325	Heterogeneity of the level of activity of lgr5+ intestinal stem cells. International Journal of Molecular and Cellular Medicine, 2014, 3, 216-24.	1.1	3
327	Chronodisruption, Metabolic Homeostasis, and the Regulation of Inflammation in Adipose Tissues. Yale Journal of Biology and Medicine, 2019, 92, 317-325.	0.2	19
329	Exploring the Impact of the Microbiome on Neuroactive Steroid Levels in Germ-Free Animals. International Journal of Molecular Sciences, 2021, 22, 12551.	1.8	11
330	The Rhythm of Many: Biological Rhythms in the Marine Environment, From Macro-Scale Planktonic Ecosystems to Micro-Scale Holobionts. Frontiers in Marine Science, 2021, 8, .	1.2	5
331	Synchronizing our clocks as we age: the influence of the brain-gut-immune axis on the sleep-wake cycle across the lifespan. Sleep, 2022, 45, .	0.6	13
332	6-Formylindolo[3,2-b]carbazole, a Potent Ligand for the Aryl Hydrocarbon Receptor Produced Both Endogenously and by Microorganisms, can Either Promote or Restrain Inflammatory Responses. Frontiers in Toxicology, 2022, 4, 775010.	1.6	15
333	Crosstalk Between the Gut Microbiota and Epithelial Cells Under Physiological and Infectious Conditions. Frontiers in Cellular and Infection Microbiology, 2022, 12, 832672.	1.8	23
334	Strategies for circadian rhythm disturbances and related psychiatric disorders: a new cue based on plant polysaccharides and intestinal microbiota. Food and Function, 2022, 13, 1048-1061.	2.1	6
335	Circadian Rhythms, the Gut Microbiome, and Metabolic Disorders. , 2022, 1, 93-105.		10

#	Article	IF	Citations
336	Pattern Recognition Receptor Signaling and Cytokine Networks in Microbial Defenses and Regulation of Intestinal Barriers: Implications for Inflammatory Bowel Disease. Gastroenterology, 2022, 162, 1602-1616.e6.	0.6	38
337	Microbiota and body weight control: Weight watchers within?. Molecular Metabolism, 2022, 57, 101427.	3.0	25
338	Microbiota. , 2022, , 21-56.		0
339	Blurring the line between opportunistic pathogens and commensals. , 2022, , 133-155.		0
340	Circadian rhythms in immunity and hostâ€parasite interactions. Parasite Immunology, 2022, 44, e12904.	0.7	8
341	The role of probiotics in children with autism spectrum disorders: A study protocol for a randomised controlled trial. PLoS ONE, 2022, 17, e0263109.	1.1	8
342	Nocturnal Acidification: A Coordinating Cue in the Euprymna scolopesâ€“Vibrio fischeri Symbiosis. International Journal of Molecular Sciences, 2022, 23, 3743.	1.8	2
344	Cardioprotective Properties of Phenolic Compounds: A Role for Biological Rhythms. Molecular Nutrition and Food Research, 2022, 66, e2100990.	1.5	13
345	Multi-Modal Regulation of Circadian Physiology by Interactive Features of Biological Clocks. Biology, 2022, 11, 21.	1.3	12
346	Methionine Restriction Improves Gut Barrier Function by Reshaping Diurnal Rhythms of Inflammation-Related Microbes in Aged Mice. Frontiers in Nutrition, 2021, 8, 746592.	1.6	13
347	Histological study of diurnal changes in bacterial settlement in the rat alimentary tract. Cell and Tissue Research, 2022, , 1.	1.5	2
348	Impacts of MicroRNAs Induced by the Gut Microbiome on Regulating the Development of Colorectal Cancer. Frontiers in Cellular and Infection Microbiology, 2022, 12, 804689.	1.8	13
349	High-fat diet disrupts REG3Î³ and gut microbial rhythms promoting metabolic dysfunction. Cell Host and Microbe, 2022, 30, 809-823.e6.	5.1	26
350	The Impact of Meal Timing on Risk of Weight Gain and Development of Obesity: a Review of the Current Evidence and Opportunities for Dietary Intervention. Current Diabetes Reports, 2022, 22, 147-155.	1.7	19
352	Peroxisome Proliferatorâ€“Activated Receptor-Î±: A Pivotal Regulator of the Gastrointestinal Tract. Frontiers in Molecular Biosciences, 2022, 9, 864039.	1.6	0
353	External lightâ€dark cycle shapes gut microbiota through intrinsically photosensitive retinal ganglion cells. EMBO Reports, 2022, 23, e52316.	2.0	10
354	Diurnal Interplay between Epithelium Physiology and Gut Microbiota as a Metronome for Orchestrating Immune and Metabolic Homeostasis. Metabolites, 2022, 12, 390.	1.3	2
355	Transcriptional Integration of Distinct Microbial and Nutritional Signals by the Small Intestinal Epithelium. Cellular and Molecular Gastroenterology and Hepatology, 2022, 14, 465-493.	2.3	8

#	Article	IF	Citations
356	The Oscillating Gut Microbiome and Its Effects on Host Circadian Biology. Annual Review of Nutrition, 2022, 42, 145-164.	4.3	16
357	Mechanisms Involved in Gut Microbiota Regulation of Skeletal Muscle. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-15.	1.9	5
358	Oral short-chain fatty acids administration regulates innate anxiety in adult microbiome-depleted mice. Neuropharmacology, 2022, 214, 109140.	2.0	10
359	Timeâ€limited diets and the gut microbiota in cardiometabolic disease. Journal of Diabetes, 0, , .	0.8	12
360	Alterations in Gut Microbiota and Upregulations of VPAC2 and Intestinal Tight Junctions Correlate with Anti-Inflammatory Effects of Electroacupuncture in Colitis Mice with Sleep Fragmentation. Biology, 2022, 11, 962.	1.3	8
361	Screen for Small-Molecule Modulators of Circadian Rhythms Reveals Phenazine as a Redox-State Modifying Clockwork Tuner. ACS Chemical Biology, 2022, 17, 1658-1664.	1.6	0
362	New Insights into the Diurnal Rhythmicity of Gut Microbiota and Its Crosstalk with Host Circadian Rhythm. Animals, 2022, 12, 1677.	1.0	12
363	Diet and feeding pattern modulate diurnal dynamics of the ileal microbiome and transcriptome. Cell Reports, 2022, 40, 111008.	2.9	32
364	Complex physiology and clinical implications of time-restricted eating. Physiological Reviews, 2022, 102, 1991-2034.	13.1	17
365	Association Between the Gut Microbiome and Their Metabolites With Human Blood Pressure Variability. Hypertension, 2022, 79, 1690-1701.	1.3	11
366	Impact of indigenous microbiota in gut inflammatory disorders. , 2022, , 179-209.		0
367	Circadian rhythms in metabolic organs and the microbiota during acute fasting in mice. Physiological Reports, 2022, 10, .	0.7	6
369	N6-adenomethylation of GsdmC is essential for Lgr5+ stem cell survival to maintain normal colonic epithelial morphogenesis. Developmental Cell, 2022, 57, 1976-1994.e8.	3.1	12
370	Bile Salt Hydrolase-Competent Probiotics in the Management of IBD: Unlocking the â€œBile Acid Codeâ€• Nutrients, 2022, 14, 3212.	1.7	17
371	Histone Deacetylase Inhibition by Gut Microbe-Generated Short-Chain Fatty Acids Entrains Intestinal Epithelial Circadian Rhythms. Gastroenterology, 2022, 163, 1377-1390.e11.	0.6	24
372	Recent advances in circadian-regulated pharmacokinetics and its implications for chronotherapy. Biochemical Pharmacology, 2022, 203, 115185.	2.0	4
373	Gut dysbiosis and metabolic diseases. Progress in Molecular Biology and Translational Science, 2022, , .	0.9	0
374	ERÎ² and Inflammation. Advances in Experimental Medicine and Biology, 2022, , 213-225.	0.8	5

#	Article	IF	Citations
375	Gut Microbiome Regulation of Appetite and Role in Neurological Disorders. , 2022, , 83-105.		1
376	Chrono-communication and cardiometabolic health: The intrinsic relationship and therapeutic nutritional promises. Frontiers in Endocrinology, 0, 13, .	1.5	1
377	Circadian orchestration of host and gut microbiota in infection. Biological Reviews, 2023, 98, 115-131.	4.7	6
378	Induction of natural IgE by glucocorticoids. Journal of Experimental Medicine, 2022, 219, .	4.2	4
379	Early Dysbiosis and Dampened Gut Microbe Oscillation Precede Motor Dysfunction and Neuropathology in Animal Models of Parkinsonâ€™s Disease. Journal of Parkinson's Disease, 2022, 12, 2423-2440.	1.5	5
380	T _{regs} in visceral adipose tissue up-regulate circadian-clock expression to promote fitness and enforce a diurnal rhythm of lipolysis. Science Immunology, 2022, 7, .	5.6	8
381	The intestinal clock drives the microbiome to maintain gastrointestinal homeostasis. Nature Communications, 2022, 13, .	5.8	39
382	Colonic Epithelial Circadian Disruption Worsens Dextran Sulfate Sodiumâ€“Induced Colitis. Inflammatory Bowel Diseases, 2023, 29, 444-457.	0.9	4
383	Regulation of sleep disorders in patients with traumatic brain injury by intestinal flora based on the background of brain-gut axis. Frontiers in Neuroscience, 0, 16, .	1.4	8
385	Personalized nutrition, microbiota, and metabolism: A triad for eudaimonia. Frontiers in Molecular Biosciences, 0, 9, .	1.6	0
386	Novel studies on Drosophila melanogaster model reveal the roles of JNK-Jak/STAT axis and intestinal microbiota in insulin resistance. Journal of Drug Targeting, 2023, 31, 261-268.	2.1	3
387	Melatoninâ€“Microbiome Two-Sided Interaction in Dysbiosis-Associated Conditions. Antioxidants, 2022, 11, 2244.	2.2	13
388	Host circadian behaviors exert only weak selective pressure on the gut microbiome under stable conditions but are critical for recovery from antibiotic treatment. PLoS Biology, 2022, 20, e3001865.	2.6	2
389	Understanding interactions among diet, host and gut microbiota for personalized nutrition. Life Sciences, 2023, 312, 121265.	2.0	5
390	Markers of immune dysregulation in response to the ageing gut: insights from aged murine gut microbiota transplants. BMC Gastroenterology, 2022, 22, .	0.8	4
391	Berberine increases stromal production of Wnt molecules and activates Lgr5+ stem cells to promote epithelial restitution in experimental colitis. BMC Biology, 2022, 20, .	1.7	2
392	Small Intestinal Microbiota Oscillations, Host Effects and Regulationâ€”A Zoom into Three Key Effector Molecules. Biology, 2023, 12, 142.	1.3	4
393	Immunity to Cryptosporidium: Lessons from Acquired and Primary Immunodeficiencies. Journal of Immunology, 2022, 209, 2261-2268.	0.4	11

#	Article	IF	Citations
394	Microbiotaâ€“gutâ€“brain axis mechanisms in the complex network of bipolar disorders: potential clinical implications and translational opportunities. Molecular Psychiatry, 2023, 28, 2645-2673.	4.1	22
395	The microbiome stabilizes circadian rhythms in the gut. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	14
396	Ruminococcus gnavusandLimosilactobacillus reuteriRegulate Reg3Î³ Expression through Multiple Pathways. ImmunoHorizons, 2023, 7, 228-234.	0.8	1
398	The circadian demethylation of a unique intronic deoxymethylCpG-rich island boosts the transcription of its cognate circadian clock output gene. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	3
399	Irregular sleep and cardiometabolic risk: Clinical evidence and mechanisms. Frontiers in Cardiovascular Medicine, 0, 10, .	1.1	3
401	Circadian Disruption and Mental Health: The Chronotherapeutic Potential of Microbiome-Based and Dietary Strategies. International Journal of Molecular Sciences, 2023, 24, 7579.	1.8	4
402	Gut Microbiomeâ€“Brain Alliance: A Landscape View into Mental and Gastrointestinal Health and Disorders. ACS Chemical Neuroscience, 2023, 14, 1717-1763.	1.7	24
436	Circadian Rhythms and the Gastrointestinal System. , 2024, , 222-245.		0
438	Mechanisms: Xenobiotic Receptor-Mediated Toxicity. , 2024, , .		0