Principles and clinical implications of the brainâ€“gutâ

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Citation Report

#	Article	IF	Citations
2	2146-2157.	0.0	0
3	The probiotic Bifidobacterium infantis 35624 displays visceral antinociceptive effects in the rat. Neurogastroenterology and Motility, 2010, 22, 1029.	1.6	170
4	Gastrointestinal microbiology in autistic spectrum disorder: a review. Reviews in Medical Microbiology, 2010, 21, 44-50.	0.4	6
5	Safety assessment of probiotics for human use. Gut Microbes, 2010, 1, 164-185.	4.3	513
6	Long-term treatment of NZB mice with anti-CD4 results in wasting disease, lymphoid atrophy and chronic diarrhea. Gut Microbes, 2010, 1, 345-355.	4.3	1
7	Current level of consensus on probiotic science-Report of an expert meeting- London, 23 November 2009. Gut Microbes, 2010, 1, 436-439.	4.3	89
8	Gut Microbiota in Health and Disease. Physiological Reviews, 2010, 90, 859-904.	13.1	3,287
9	Neuroimmune aspects of food intake. International Dairy Journal, 2010, 20, 253-258.	1.5	19
10	Ingestion of Lactobacillus strain regulates emotional behavior and central GABA receptor expression in a mouse via the vagus nerve. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16050-16055.	3.3	2,811
11	Activation of Corticotropin-Releasing Factor Receptor 2 Mediates the Colonic Motor Coping Response to Acute Stress in Rodents. Gastroenterology, 2011, 140, 1586-1596.e6.	0.6	56
12	The Brain-Gut Axis in Abdominal Pain Syndromes. Annual Review of Medicine, 2011, 62, 381-396.	5.0	414
13	Gut feelings: the emerging biology of gutâ€“brain communication. Nature Reviews Neuroscience, 2011, 12, 453-466.	4.9	1,226
14	The effects of repeated social interaction stress on behavioural and physiological parameters in a stress-sensitive mouse strain. Behavioural Brain Research, 2011, 216, 576-584.	1.2	61
15	Brain?Gut?Microbe Communication in Health and Disease. Frontiers in Physiology, 2011, 2, 94.	1.3	698
16	Influence of Gut Microbes on the Brain-Gut Axis (Gut 2011;60:307-317). Journal of Neurogastroenterology and Motility, 2011, 17, 427-429.	0.8	8
17	Stress-Related Alterations of Visceral Sensation: Animal Models for Irritable Bowel Syndrome Study. Journal of Neurogastroenterology and Motility, 2011, 17, 213-234.	0.8	70
18	Basic and Translational Understandings of Microbial Recognition by Toll-Like Receptors in the Intestine. Journal of Neurogastroenterology and Motility, 2011, 17, 28-34.	0.8	34
19	The intestinal microbiome of infants and the use of probiotics. Current Opinion in Pediatrics, 2011, 23, 145-150.	1.0	37

#	Article	IF	Citations
20	The crying baby. Current Opinion in Pediatrics, 2011, 23, 523-529.	1.0	27
21	Gene, environment, and brainâ€gut interactions in irritable bowel syndrome. Journal of Gastroenterology and Hepatology (Australia), 2011, 26, 110-115.	1.4	69
22	Do nutrientâ€“gutâ€“microbiota interactions play a role in human obesity, insulin resistance and type 2 diabetes?. Obesity Reviews, 2011, 12, 272-281.	3.1	248
23	Reduced anxiety-like behavior and central neurochemical change in germ-free mice. Neurogastroenterology and Motility, 2011, 23, 255-e119.	1.6	1,112
24	Altered peripheral toll-like receptor responses in the irritable bowel syndrome. Alimentary Pharmacology and Therapeutics, 2011, 33, 1045-1052.	1.9	130
25	The microbiome-gut-brain axis: from bowel to behavior. Neurogastroenterology and Motility, 2011, 23, 187-192.	1.6	741
26	Maternal separation as a model of brainâ€“gut axis dysfunction. Psychopharmacology, 2011, 214, 71-88.	1.5	339
27	'Gut health': a new objective in medicine?. BMC Medicine, 2011, 9, 24.	2.3	235
28	Drosophila melanogaster as a model for human intestinal infection and pathology. DMM Disease Models and Mechanisms, 2011, 4, 21-30.	1.2	254
29	Galactooligosaccharide supplementation reduces stress-induced gastrointestinal dysfunction and days of cold or flu: a randomized, double-blind, controlled trial in healthy university students. American Journal of Clinical Nutrition, 2011, 93, 1305-1311.	2.2	52
30	Exciting Times beyond the Brain: Metabotropic Glutamate Receptors in Peripheral and Non-Neural Tissues. Pharmacological Reviews, 2011, 63, 35-58.	7.1	177
31	The Impact of Gut Microbiota in Human Health and Diseases: Implication for Therapeutic Potential. Biomolecules and Therapeutics, 2011, 19, 155-173.	1.1	5
32	Critical role of gut microbiota in the production of biologically active, free catecholamines in the gut lumen of mice. American Journal of Physiology - Renal Physiology, 2012, 303, G1288-G1295.	1.6	482
33	Gastrointestinal disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2012, 106, 607-631.	1.0	6
35	Food and intestinal barrier function in irritable bowel syndrome. Neurogastroenterology and Motility, 2012, 24, 888-888.	1.6	1
36	Communication between gastrointestinal bacteria and the nervous system. Current Opinion in Pharmacology, 2012, 12, 667-672.	1.7	203
37	Age-Related Topographical Metabolic Signatures for the Rat Gastrointestinal Contents. Journal of Proteome Research, 2012, 11, 1397-1411.	1.8	65
38	Regulation of the stress response by the gut microbiota: Implications for psychoneuroendocrinology. Psychoneuroendocrinology, 2012, 37, 1369-1378.	1.3	455

#	Article	IF	Citations
39	Effects of Polyphenols on Brain Ageing and Alzheimerâ€™s Disease: Focus on Mitochondria. Molecular Neurobiology, 2012, 46, 161-178.	1.9	107
40	Mind-altering microorganisms: the impact of the gut microbiota on brain and behaviour. Nature Reviews Neuroscience, 2012, 13, 701-712.	4.9	3,237
41	The intestinal microbiota are necessary for stressor-induced enhancement of splenic macrophage microbicidal activity. Brain, Behavior, and Immunity, 2012, 26, 371-382.	2.0	59
42	Cannabinoid signalling regulates inflammation and energy balance: The importance of the brainâ€“gut axis. Brain, Behavior, and Immunity, 2012, 26, 691-698.	2.0	43
43	Quantifying your body: A howâ€to guide from a systems biology perspective. Biotechnology Journal, 2012, 7, 980-991.	1.8	69
44	Effect of supplementation of prebiotic mannan-oligosaccharides and probiotic mixture on growth performance of broilers subjected to chronic heat stress. Poultry Science, 2012, 91, 2235-2240.	1.5	272
45	Nous Sommes Tous des Bacteries: Implications for medicine, pharmacology and public health. Biochemical Pharmacology, 2012, 84, 1543-1550.	2.0	13
46	The human gastrointestinal microbiotaâ€”An unexplored frontier for pharmaceutical discovery. Pharmacological Research, 2012, 66, 443-447.	3.1	18
47	Study of the cultivable microflora of the large intestine of the rat under varied environmental hyperbaric pressures. Journal of Microbiology, Immunology and Infection, 2012, 45, 281-286.	1.5	11
48	Gut Microbiota and Developmental Programming of the Brain: From Evidence in Behavioral Endophenotypes to Novel Perspective in Obesity. Frontiers in Cellular and Infection Microbiology, 2012, 2, 109.	1.8	36
50	The gut microbiota regulates bone mass in mice. Journal of Bone and Mineral Research, 2012, 27, 1357-1367.	3.1	585
51	Do polyphenols enter the brain and does it matter? Some theoretical and practical considerations. Genes and Nutrition, 2012, 7, 99-109.	1.2	156
52	Review article: probiotics for the treatment of irritable bowel syndrome â€“ focus on lactic acid bacteria. Alimentary Pharmacology and Therapeutics, 2012, 35, 403-413.	1.9	175
53	Stress and visceral pain: From animal models to clinical therapies. Experimental Neurology, 2012, 233, 49-67.	2.0	175
54	A marketed fermented dairy product containing Bifidobacterium lactis CNCM Iâ€2494 suppresses gut hypersensitivity and colonic barrier disruption induced by acute stress in rats. Neurogastroenterology and Motility, 2012, 24, 376.	1.6	87
55	The microbiome-gut-brain axis during early life regulates the hippocampal serotonergic system in a sex-dependent manner. Molecular Psychiatry, 2013, 18, 666-673.	4.1	1,445
56	Gastrointestinal function development and microbiota. Italian Journal of Pediatrics, 2013, 39, 15.	1.0	143
57	Disruption of the gut microbiome as a risk factor for microbial infections. Current Opinion in Microbiology, 2013, 16, 221-227.	2.3	174

#	Article	IF	Citations
58	Inflammation, Microflora, Motility, and Visceral Sensitivity. , 2013, , 49-58.		0
59	The Gut Microbiome: A New Frontier in Autism Research. Current Psychiatry Reports, 2013, 15, 337.	2.1	218
60	Effects of the Intestinal Microbiota on Behavior and Brain Biochemistry. World Review of Nutrition and Dietetics, 2013, , 56-63.	0.1	0
61	Gastrointestinal Manifestations of Pediatric Autonomic Disorders. Seminars in Pediatric Neurology, 2013, 20, 27-30.	1.0	9
62	Modelos de reconocimiento inmunolÃ³gico: tolerancia e inmunidad en el marco de la evoluciÃ³n del conocimiento cientÃfico. Inmunologia (Barcelona, Spain: 1987), 2013, 32, 139-147.	0.1	0
63	Microbiota in health and irritable bowel syndrome: current knowledge, perspectives and therapeutic options. Scandinavian Journal of Gastroenterology, 2013, 48, 995-1009.	0.6	60
64	Functional Gastrointestinal Disorders in Children. World Review of Nutrition and Dietetics, 2013, , 79-86.	0.1	0
65	Hypothesis: Bacteria Control Host Appetites. Journal of Bacteriology, 2013, 195, 411-416.	1.0	58
66	Lactational Programming of Infant Behavioral Phenotype. , 2013, , 187-207.		31
67	Helminth therapy and multiple sclerosis. International Journal for Parasitology, 2013, 43, 259-274.	1.3	86
68	An update on the use and investigation of probiotics in health and disease. Gut, 2013, 62, 787-796.	6.1	448
69	A neurobiological model for cry-fuss problems in the first three to four months of life. Medical Hypotheses, 2013, 81, 816-822.	0.8	21
70	Gut microbiota and gastrointestinal health: current concepts and future directions. Neurogastroenterology and Motility, 2013, 25, 4-15.	1.6	208
71	Consumption of Fermented Milk Product With Probiotic Modulates Brain Activity. Gastroenterology, 2013, 144, 1394-1401.e4.	0.6	925
72	Acknowledgements. Expert Review of Gastroenterology and Hepatology, 2013, 7, 289-289.	1.4	11
73	Cellular changes in the enteric nervous system during ageing. Developmental Biology, 2013, 382, 344-355.	0.9	90
74	Dynamics of predominant microbiota in the human gastrointestinal tract and change in luminal enzymes and immunoglobulin profile during high-altitude adaptation. Folia Microbiologica, 2013, 58, 523-528.	1.1	55
75	Inflammatory cytokines in depression: Neurobiological mechanisms and therapeutic implications. Neuroscience, 2013, 246, 199-229.	1.1	817

#	Article	IF	Citations
76	Diagnosing gastroâ€oesophageal reflux disease or lactose intolerance in babies who cry alot in the first few months overlooks feeding problems. Journal of Paediatrics and Child Health, 2013, 49, E252-6.	0.4	22
77	Potential applications of gut microbiota to control human physiology. Antonie Van Leeuwenhoek, 2013, 104, 609-618.	0.7	23
78	Psychoactive bacteriaLactobacillus rhamnosus(JB-1) elicits rapid frequency facilitation in vagal afferents. American Journal of Physiology - Renal Physiology, 2013, 304, G211-G220.	1.6	189
79	Microbiota Involvement in the Gutâ€"Brain Axis. Journal of Pediatric Gastroenterology and Nutrition, 2013, 57, .	0.9	17
80	Hot topics in gut microbiota. United European Gastroenterology Journal, 2013, 1, 311-318.	1.6	50
81	The regulatory effects of Bifidobacterium infantis on the secretomotor activity of the enteric nervous system. Chronicles of Young Scientists, 2013, 4, 114.	0.4	2
82	The gut microbiome: the role of a virtual organ in the endocrinology of the host. Journal of Endocrinology, 2013, 218, R37-R47.	1.2	205
83	The Brain-Gut Axis: A Target for Treating Stress-Related Disorders. Modern Problems of Pharmacopsychiatry, 2013, 28, 90-99.	2.5	35
84	Probiotics: History and Evolution. Journal of Ancient Diseases & Preventive Remedies, 2013, 01, .	0.2	30
85	Inflammation Theories in Psychotic Disorders: A Critical Review. Infectious Disorders - Drug Targets, 2013, 13, 59-70.	0.4	54
86	Cerebral Low-Molecular Metabolites Influenced by Intestinal Microbiota: A Pilot Study. Frontiers in Systems Neuroscience, 2013, 7, 9.	1.2	176
87	The Antipsychotic Olanzapine Interacts with the Gut Microbiome to Cause Weight Gain in Mouse. PLoS ONE, 2014, 9, e115225.	1.1	147
88	Brainâ€"Gut Axis and Neural Control. , 2014, , .		1
89	The syndemics of childhood diarrhoea: A biosocial perspective on efforts to combat global inequities in diarrhoea-related morbidity and mortality. Global Public Health, 2014, 9, 841-853.	1.0	25
90	The Intestinal Microbiome in Early Life: Health and Disease. Frontiers in Immunology, 2014, 5, 427.	2.2	685
91	Metabonomic Phenotyping for the Gut Microbiota and Mammal Interactions. Advanced Topics in Science and Technology in China, 2014, , 189-201.	0.0	0
92	The Impact of Microbiota on Brain and Behavior: Mechanisms & Therapeutic Potential. Advances in Experimental Medicine and Biology, 2014, 817, 373-403.	0.8	247
93	Probiotic <scp>L</scp>actobacillus rhamnosus <scp>GG</scp> (<scp>LGG</scp>) and prebiotic prevent neonatal inflammationâ€induced visceral hypersensitivity in adult rats. Neurogastroenterology and Motility, 2014, 26, 1694-1704.	1.6	57

#	Article	IF	Citations
94	â€˜As above, so belowâ€™ examining the interplay between emotion and the immune system. Immunology, 2014, 143, 311-318.	2.0	51
95	Helminth Therapy for MS. Current Topics in Behavioral Neurosciences, 2014, 26, 195-220.	0.8	15
96	Microbiome, HPA Axis and Production of Endocrine Hormones in the Gut. Advances in Experimental Medicine and Biology, 2014, 817, 177-194.	0.8	94
97	Brain-gut axis in the pathogenesis ofHelicobacter pyloriinfection. World Journal of Gastroenterology, 2014, 20, 5212.	1.4	78
98	Inflammation and colorectal cancer, when microbiota-host mutualism breaks. World Journal of Gastroenterology, 2014, 20, 908.	1.4	176
99	Irritable bowel syndrome: A microbiome-gut-brain axis disorder?. World Journal of Gastroenterology, 2014, 20, 14105.	1.4	249
100	Aging of the mammalian gastrointestinal tract: a complex organ system. Age, 2014, 36, 9603.	3.0	107
101	Role of enteric neurotransmission in host defense and protection of the gastrointestinal tract. Autonomic Neuroscience: Basic and Clinical, 2014, 181, 94-106.	1.4	41
102	Diabetic gastrointestinal motility disorders and the role of enteric nervous system: Current status and future directions. Neurogastroenterology and Motility, 2014, 26, 611-624.	1.6	150
103	Probiotics for childhood functional gastrointestinal disorders: a systematic review and metaâ€analysis. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 365-372.	0.7	92
104	The role of microbiome in central nervous system disorders. Brain, Behavior, and Immunity, 2014, 38, 1-12.	2.0	629
105	Insights into drug discovery from natural medicines using reverse pharmacokinetics. Trends in Pharmacological Sciences, 2014, 35, 168-177.	4.0	86
106	Brainâ€“Gut Microbiome Interactions and Functional Bowel Disorders. Gastroenterology, 2014, 146, 1500-1512.	0.6	383
107	Review article: evidence for the role of gut microbiota in irritable bowel syndrome and its potential influence on therapeutic targets. Alimentary Pharmacology and Therapeutics, 2014, 39, 1033-1042.	1.9	154
108	It's a gut feeling: How the gut microbiota affects the state of mind. Journal of Physiology, 2014, 592, 2981-2988.	1.3	40
109	Reprint of: Role of enteric neurotransmission in host defense and protection of the gastrointestinal tract. Autonomic Neuroscience: Basic and Clinical, 2014, 182, 70-82.	1.4	9
110	Symbiosis as the way of eukaryotic life: The dependent co-origination of the body. Journal of Biosciences, 2014, 39, 201-209.	0.5	51
111	Fecal Metabolomics of Healthy Breast-Fed versus Formula-Fed Infants before and during In Vitro Batch Culture Fermentation. Journal of Proteome Research, 2014, 13, 2534-2542.	1.8	61

#	Article	IF	Citations
112	Integrative Weight Management. , 2014, , .		2
113	The Colon. Toxicologic Pathology, 2014, 42, 67-81.	0.9	30
114	The Human Gut Microbiome and Its Role in Obesity and the Metabolic Syndrome. , 2014, , 71-105.		4
115	The microbiome: stress, health and disease. Mammalian Genome, 2014, 25, 49-74.	1.0	361
116	Bifidobacteria: their impact on gut microbiota composition and their applications as probiotics in infants. Applied Microbiology and Biotechnology, 2014, 98, 563-577.	1.7	165
117	Physiological underpinnings of irritable bowel syndrome: neurohormonal mechanisms. Journal of Physiology, 2014, 592, 2967-2980.	1.3	77
118	Elevation of natural killer cell activity and alleviation of mental stress by the consumption of yogurt containing Lactobacillus gasseri SBT2055 and Bifidobacterium longum SBT2928 in a double-blind, placebo-controlled clinical trial. Journal of Functional Foods, 2014, 11, 261-268.	1.6	39
119	Genomics of schizophrenia: time to consider the gut microbiome?. Molecular Psychiatry, 2014, 19, 1252-1257.	4.1	163
120	<scp>B</scp>ifidobacteria exert strainâ€specific effects on stressâ€related behavior and physiology in <scp>BALB</scp>/c mice. Neurogastroenterology and Motility, 2014, 26, 1615-1627.	1.6	337
121	Neurohormonal signalling in the gastrointestinal tract: new frontiers. Journal of Physiology, 2014, 592, 2923-2925.	1.3	8
122	Bacterial Neuroactive Compounds Produced by Psychobiotics. Advances in Experimental Medicine and Biology, 2014, 817, 221-239.	0.8	245
123	The Brain-Gut Axis in Health and Disease. Advances in Experimental Medicine and Biology, 2014, 817, 135-153.	0.8	73
124	Is eating behavior manipulated by the gastrointestinal microbiota? Evolutionary pressures and potential mechanisms. BioEssays, 2014, 36, 940-949.	1.2	328
125	Microbial genes, brain & behaviourÂâ€“Âepigenetic regulation of the gutâ€“brain axis. Genes, Brain and Behavior, 2014, 13, 69-86.	1.1	495
126	Disturbance of the gut microbiota in early-life selectively affects visceral pain in adulthood without impacting cognitive or anxiety-related behaviors in male rats. Neuroscience, 2014, 277, 885-901.	1.1	222
127	Gastrointestinal hormones and the dialogue between gut and brain. Journal of Physiology, 2014, 592, 2927-2941.	1.3	143
128	Microbial Endocrinology: The Microbiota-Gut-Brain Axis in Health and Disease. Advances in Experimental Medicine and Biology, 2014, , .	0.8	59
129	Microbiota and neurodevelopmental windows: implications for brain disorders. Trends in Molecular Medicine, 2014, 20, 509-518.	3.5	852

#	Article	IF	Citations
130	The microbiotaâ€“gutâ€“brain axis in gastrointestinal disorders: stressed bugs, stressed brain or both?. Journal of Physiology, 2014, 592, 2989-2997.	1.3	242
131	Sex hormones in the modulation of irritable bowel syndrome. World Journal of Gastroenterology, 2014, 20, 2433.	1.4	188
132	Towards microbial fermentation metabolites as markers for health benefits of prebiotics. Nutrition Research Reviews, 2015, 28, 42-66.	2.1	251
133	Brainâ€“Gut Axis and Gut Microbiota: Possible Role of Gut Microbiota in Childhood Mental Health and Diseases. Journal of Pediatric Biochemistry, 2015, 05, 077-080.	0.2	1
134	Commensal Microbiome Promotes Resistance to Local and Systemic Infections. Chinese Medical Journal, 2015, 128, 2250-2255.	0.9	24
135	Protective action of green tea catechins in neuronal mitochondria during aging. Frontiers in Bioscience - Landmark, 2015, 20, 247-262.	3.0	19
136	Brain-gut-microbiota axis in Parkinson's disease. World Journal of Gastroenterology, 2015, 21, 10609.	1.4	438
137	Gut Microbiota: A Modulator of Brain Plasticity and Cognitive Function in Ageing. Healthcare (Switzerland), 2015, 3, 898-916.	1.0	67
138	Breaking down the barriers: the gut microbiome, intestinal permeability and stress-related psychiatric disorders. Frontiers in Cellular Neuroscience, 2015, 9, 392.	1.8	757
139	The Controversial Role of Food Allergy in Infantile Colic: Evidence and Clinical Management. Nutrients, 2015, 7, 2015-2025.	1.7	33
140	Psychobiotics and the gut–brain axis: in the pursuit of happiness. Neuropsychiatric Disease and Treatment, 2015, 11, 715.	1.0	113
141	The Endocannabinoid System and Its Role in Regulating the Intrinsic Neural Circuitry of the Gastrointestinal Tract. International Review of Neurobiology, 2015, 125, 85-126.	0.9	20
142	The relationship between primary headache and constipation in children and adolescents. Korean Journal of Pediatrics, 2015, 58, 60.	1.9	9
143	Gut/brain axis and the microbiota. Journal of Clinical Investigation, 2015, 125, 926-938.	3.9	1,010
145	Gut Microbiota Interacts With Brain Microstructure and Function. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 4505-4513.	1.8	130
146	Gut Microbiome and Stress. Microbiology Monographs, 2015, , 223-255.	0.3	1
147	Beneficial Effects of Probiotics, Prebiotics, Synbiotics, and Psychobiotics in Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2015, 21, 1674-1682.	0.9	131
148	Childhood functional abdominal pain: mechanisms and management. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 159-171.	8.2	76

#	Article	IF	Citations
149	Prebiotic intake reduces the waking cortisol response and alters emotional bias in healthy volunteers. Psychopharmacology, 2015, 232, 1793-1801.	1.5	366
150	Toll-like receptor 4 signaling: A common biological mechanism of regimen-related toxicities. Cancer Treatment Reviews, 2015, 41, 122-128.	3.4	34
151	An insight into the gastrointestinal component of fibromyalgia: clinical manifestations and potential underlying mechanisms. Rheumatology International, 2015, 35, 433-444.	1.5	46
152	Animal Models in Biomedical Research. , 2015, , 1497-1534.		11
153	Stress-Induced Visceral Pain: Toward Animal Models of Irritable-Bowel Syndrome and Associated Comorbidities. Frontiers in Psychiatry, 2015, 6, 15.	1.3	118
154	Reviewing clinical studies of probiotics as dietary supplements: probiotics for gastrointestinal disorders, Helicobacter eradication, lactose malabsorption and inflammatory bowel disease (IBD). , 2015, , 171-197.		0
155	Bifidobacteria modulate cognitive processes in an anxious mouse strain. Behavioural Brain Research, 2015, 287, 59-72.	1.2	296
156	Microbiome Disturbances and Autism Spectrum Disorders. Drug Metabolism and Disposition, 2015, 43, 1557-1571.	1.7	191
157	The gut microbiome and diet in psychiatry. Current Opinion in Psychiatry, 2015, 28, 1-6.	3.1	301
158	Microbiota Regulation of the Mammalian Gutâ€“Brain Axis. Advances in Applied Microbiology, 2015, 91, 1-62.	1.3	207
159	Gut Microbiota: The Conductor in the Orchestra of Immuneâ€“Neuroendocrine Communication. Clinical Therapeutics, 2015, 37, 954-967.	1.1	163
160	Administration of Lactobacillus helveticus NS8 improves behavioral, cognitive, and biochemical aberrations caused by chronic restraint stress. Neuroscience, 2015, 310, 561-577.	1.1	507
161	Diabetes-Related Dysfunction of the Small Intestine and the Colon: Focus on Motility. Current Diabetes Reports, 2015, 15, 94.	1.7	36
162	Gastrointestinal Symptoms and Altered Intestinal Permeability Induced by Combat Training Are Associated with Distinct Metabotypic Changes. Journal of Proteome Research, 2015, 14, 4734-4742.	1.8	28
164	Towards a systems view of IBS. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 592-605.	8.2	207
165	Crosstalk at the mucosal border: importance of the gut microenvironment in IBS. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 36-49.	8.2	147
166	Gastrointestinal microbiota in children with autism in Slovakia. Physiology and Behavior, 2015, 138, 179-187.	1.0	470
167	Diet and hostâ€“microbial crosstalk in postnatal intestinal immune homeostasis. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 14-25.	8.2	85

#	Article	IF	Citations
168	Inflammatory cytokine-associated depression. Brain Research, 2015, 1617, 113-125.	1.1	138
169	Thinking outside the brain for cognitive improvement: Is peripheral immunomodulation on the way?. Neuropharmacology, 2015, 96, 94-104.	2.0	27
170	19. PrÃ- und Probiotika. , 2016, , .		1
171	The Microbiota and Gut-Brain Axis: Contributions to the Immunopathogenesis of Schizophrenia. Current Pharmaceutical Design, 2016, 22, 6122-6133.	0.9	39
172	Germ-Free Animals. , 2016, , 109-140.		1
173	Gut Microbiota-brain Axis. Chinese Medical Journal, 2016, 129, 2373-2380.	0.9	301
174	Psychobiotics; A Promise for Neurodevelopmental Therapy. Journal of Probiotics & Health, 2016, 04, .	0.6	2
175	Gut microbiota role in irritable bowel syndrome: New therapeutic strategies. World Journal of Gastroenterology, 2016, 22, 2219-2241.	1.4	249
176	Oral Feeding of ProbioticBifidobacterium infantis: Colonic Morphological Changes in Rat Model of TNBS-Induced Colitis. Scientifica, 2016, 2016, 1-11.	0.6	27
177	Modulatory Effects of Gut Microbiota on the Central Nervous System: How Gut Could Play a Role in Neuropsychiatric Health and Diseases. Journal of Neurogastroenterology and Motility, 2016, 22, 201-212.	0.8	197
178	Gut microbiota in autism and mood disorders. World Journal of Gastroenterology, 2016, 22, 361.	1.4	300
179	Correlations of Host Genetics and Gut Microbiome Composition. Frontiers in Microbiology, 2016, 7, 1357.	1.5	64
180	Evaluation of the Microbial Diversity in Amyotrophic Lateral Sclerosis Using High-Throughput Sequencing. Frontiers in Microbiology, 2016, 7, 1479.	1.5	145
181	Exploring Relationships between Host Genome and Microbiome: New Insights from Genome-Wide Association Studies. Frontiers in Microbiology, 2016, 7, 1611.	1.5	22
182	Characterization of Microbiota in Children with Chronic Functional Constipation. PLoS ONE, 2016, 11, e0164731.	1.1	87
183	Adult microbiotaâ€deficient mice have distinct dendritic morphological changes: differential effects in the amygdala and hippocampus. European Journal of Neuroscience, 2016, 44, 2654-2666.	1.2	263
184	Probiotic Lactobacillus casei strain Shirota relieves stressâ€associated symptoms by modulating the gutâ€“brain interaction in human and animal models. Neurogastroenterology and Motility, 2016, 28, 1027-1036.	1.6	188
185	Genetic variants of MAOB affect serotonin level and specific behavioral attributes to increase autism spectrum disorder (ASD) susceptibility in males. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 71, 123-136.	2.5	20

#	Article	IF	Citations
186	Exercise-induced stress behavior, gut-microbiota-brain axis and diet: a systematic review for athletes. Journal of the International Society of Sports Nutrition, 2016, 13, 43.	1.7	338
187	Dissecting the interplay between intestinal microbiota and host immunity in health and disease: Lessons learned from germfree and gnotobiotic animal models. European Journal of Microbiology and Immunology, 2016, 6, 253-271.	1.5	142
188	Dendritic Cells in the Immune Systemâ€"History, Lineages, Tissues, Tolerance, and Immunity. Microbiology Spectrum, 2016, 4, .	1.2	28
190	Gutâ€"Brain Axis: A New Revolution to Understand the Pathogenesis of Autism and Other Severe Neurological Diseases. , 2016, , 49-65.		0
191	Impact of gut microbiota on diabetes mellitus. Diabetes and Metabolism, 2016, 42, 303-315.	1.4	169
192	Clostridium butyricum attenuates cerebral ischemia/reperfusion injury in diabetic mice via modulation of gut microbiota. Brain Research, 2016, 1642, 180-188.	1.1	117
193	Depletion of Cultivatable Gut Microbiota by Broad-Spectrum Antibiotic Pretreatment Worsens Outcome After Murine Stroke. Stroke, 2016, 47, 1354-1363.	1.0	168
194	From gut dysbiosis to altered brain function and mental illness: mechanisms and pathways. Molecular Psychiatry, 2016, 21, 738-748.	4.1	683
195	Reframing the Teenage Wasteland: Adolescent Microbiota-Gut-Brain Axis. Canadian Journal of Psychiatry, 2016, 61, 214-221.	0.9	41
196	Effect of Yoga in the Therapy of Irritable Bowel Syndrome: AÂSystematic Review. Clinical Gastroenterology and Hepatology, 2016, 14, 1720-1731.	2.4	70
197	Oral administration of a casein matrix containing Î²-casofensin protects the intestinal barrier in two preclinical models of gut diseases. Journal of Functional Foods, 2016, 27, 223-235.	1.6	12
198	Engineering Human Microbiota: Influencing Cellular and Community Dynamics for Therapeutic Applications. International Review of Cell and Molecular Biology, 2016, 324, 67-124.	1.6	12
199	The Gut Microbiome as Therapeutic Target in Central Nervous System Diseases: Implications for Stroke. Neurotherapeutics, 2016, 13, 762-774.	2.1	89
200	Common Functional Gastroenterological Disorders Associated With Abdominal Pain. Mayo Clinic Proceedings, 2016, 91, 1118-1132.	1.4	47
201	Irritable bowel syndrome, the microbiota and the gut-brain axis. Gut Microbes, 2016, 7, 365-383.	4.3	136
202	Microbes and the mind: emerging hallmarks of the gut microbiota-brain axis. Cellular Microbiology, 2016, 18, 632-644.	1.1	113
203	Stress and the Microbiotaâ€"Gutâ€"Brain Axis in Visceral Pain: Relevance to Irritable Bowel Syndrome. CNS Neuroscience and Therapeutics, 2016, 22, 102-117.	1.9	262
204	Interplay between gut microbiota, its metabolites and human metabolism: Dissecting cause from consequence. Trends in Food Science and Technology, 2016, 57, 233-243.	7.8	22

#	Article	IF	Citations
205	Role of microbiota function during early life on child's neurodevelopment. Trends in Food Science and Technology, 2016, 57, 273-288.	7.8	23
206	The Gut-Brain Axis, BDNF, NMDA and CNS Disorders. Neurochemical Research, 2016, 41, 2819-2835.	1.6	172
207	Insights into human evolution from ancient and contemporary microbiome studies. Current Opinion in Genetics and Development, 2016, 41, 14-26.	1.5	49
208	Translational Biomedical Informatics. Advances in Experimental Medicine and Biology, 2016, , .	0.8	1
209	Metagenomics and Single-Cell Omics Data Analysis for Human Microbiome Research. Advances in Experimental Medicine and Biology, 2016, 939, 117-137.	0.8	3
210	Whatâ€™s bugging your teen?â€”The microbiota and adolescent mental health. Neuroscience and Biobehavioral Reviews, 2016, 70, 300-312.	2.9	44
211	Gut to brain interaction in Autism Spectrum Disorders: a randomized controlled trial on the role of probiotics on clinical, biochemical and neurophysiological parameters. BMC Psychiatry, 2016, 16, 183.	1.1	133
212	Similar Fecal Microbiota Signatures in Patients With Diarrhea-Predominant Irritable Bowel Syndrome and Patients With Depression. Clinical Gastroenterology and Hepatology, 2016, 14, 1602-1611.e5.	2.4	220
213	How gut microbes talk to organs: The role of endocrine and nervous routes. Molecular Metabolism, 2016, 5, 743-752.	3.0	237
214	The neuropharmacology of butyrate: The bread and butter of the microbiota-gut-brain axis?. Neurochemistry International, 2016, 99, 110-132.	1.9	565
215	Risk factors for late defecation and its association with the outcomes of critically ill patients: a retrospective observational study. Journal of Intensive Care, 2016, 4, 33.	1.3	24
216	Effects of a self-management program on antiemetic-induced constipation during chemotherapy among breast cancer patients: a randomized controlled clinical trial. Breast Cancer Research and Treatment, 2016, 155, 99-107.	1.1	32
217	Microbiota-gut-brain signalling in Parkinson's disease: Implications for non-motor symptoms. Parkinsonism and Related Disorders, 2016, 27, 1-8.	1.1	148
218	Purification and comparison of heat shock protein 90 (Hsp90) in Candida albicans isolates from Malaysian and Iranian patients and infected mice. Journal De Mycologie Medicale, 2016, 26, 94-102.	0.7	2
219	10-Oxo-trans-11-octadecenoic acid generated from linoleic acid by a gut lactic acid bacterium Lactobacillus plantarum is cytoprotective against oxidative stress. Toxicology and Applied Pharmacology, 2016, 296, 1-9.	1.3	43
220	Gut microbiota and the pathogenesis of necrotizing enterocolitis in preterm neonates. Future Microbiology, 2016, 11, 273-292.	1.0	52
221	Metagenomic Analysis Reveals Dynamic Changes of Whole Gut Microbiota in the Acute Phase of Intensive Care Unit Patients. Digestive Diseases and Sciences, 2016, 61, 1628-1634.	1.1	173
222	NMR-based metabonomic analysis of normal rat urine and faeces in response to (Â±)-venlafaxine treatment. Journal of Pharmaceutical and Biomedical Analysis, 2016, 123, 82-92.	1.4	13

#	Article	IF	Citations
223	Sex differences in the gut microbiomeâ€“brain axis across the lifespan. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150122.	1.8	211
224	Growing up in a Bubble: Using Germ-Free Animals to Assess the Influence of the Gut Microbiota on Brain and Behavior. International Journal of Neuropsychopharmacology, 2016, 19, pyw020.	1.0	419
225	Gut microbiota impact on stroke outcome: Fad or fact?. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 891-898.	2.4	58
226	The microbiome: A key regulator of stress and neuroinflammation. Neurobiology of Stress, 2016, 4, 23-33.	1.9	399
227	Medicinal Chemistry, Pharmacology, and Potential Therapeutic Benefits of Cannabinoid CB₂ Receptor Agonists. Chemical Reviews, 2016, 116, 519-560.	23.0	91
228	Nausea as a sentinel symptom for cytotoxic chemotherapy effects on the gut-brain axis among women receiving treatment for recurrent ovarian cancer: an exploratory analysis. Supportive Care in Cancer, 2016, 24, 2635-2642.	1.0	17
229	Prebiotic administration normalizes lipopolysaccharide (LPS)-induced anxiety and cortical 5-HT2A receptor and IL1-Î² levels in male mice. Brain, Behavior, and Immunity, 2016, 52, 120-131.	2.0	188
230	Microbiome to Brain: Unravelling the Multidirectional Axes of Communication. Advances in Experimental Medicine and Biology, 2016, 874, 301-336.	0.8	50
231	Gut Microbiota and IBS. , 2016, , 557-566.		1
232	Probiotics Usage in Heart Disease and Psychiatry. , 2016, , 807-811.		1
233	The role of the gutâ€“brain axis in alcohol use disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 65, 234-241.	2.5	61
234	Regulation of body fat mass by the gut microbiota: Possible mediation by the brain. Peptides, 2016, 77, 54-59.	1.2	20
235	Microbes, Immunity, and Behavior: Psychoneuroimmunology Meets the Microbiome. Neuropsychopharmacology, 2017, 42, 178-192.	2.8	174
236	An overview of the effect of probiotics and exercise on mood and associated health conditions. Critical Reviews in Food Science and Nutrition, 2017, 57, 3887-3893.	5.4	21
237	Gut microbiota disturbance during helminth infection: can it affect cognition and behaviour of children?. BMC Infectious Diseases, 2017, 17, 58.	1.3	56
238	Mechanism of development of depression and probiotics as adjuvant therapy for its prevention and management. Mental Health and Prevention, 2017, 5, 40-51.	0.7	18
239	Bacterial Signaling to the Nervous System through Toxins and Metabolites. Journal of Molecular Biology, 2017, 429, 587-605.	2.0	118
241	The Microbiome-Gut-Brain Axis in Health and Disease. Gastroenterology Clinics of North America, 2017, 46, 77-89.	1.0	678

#	Article	IF	Citations
242	The Place of Stress and Emotions in the Irritable Bowel Syndrome. Vitamins and Hormones, 2017, 103, 327-354.	0.7	57
243	Stress during pregnancy alters temporal and spatial dynamics of the maternal and offspring microbiome in a sex-specific manner. Scientific Reports, 2017, 7, 44182.	1.6	183
244	Prevention of hypertension-induced vascular dementia by Lactobacillus paracasei subsp. paracasei NTU 101-fermented products. Pharmaceutical Biology, 2017, 55, 487-496.	1.3	17
245	The effects of probiotics on depressive symptoms in humans: a systematic review. Annals of General Psychiatry, 2017, 16, 14.	1.2	284
247	Gastrointestinal Pharmacology. Handbook of Experimental Pharmacology, 2017, , .	0.9	13
248	Mechanisms of Action of Probiotics and the Gastrointestinal Microbiota on Gut Motility and Constipation. Advances in Nutrition, 2017, 8, 484-494.	2.9	269
249	Differences in gut microbial composition correlate with regional brain volumes in irritable bowel syndrome. Microbiome, 2017, 5, 49.	4.9	228
250	Brain Autoimmunity and Intestinal Microbiota: 100 Trillion Game Changers. Trends in Immunology, 2017, 38, 483-497.	2.9	85
251	Surgically Induced Changes in Gut Microbiome and Hedonic Eating as Related to Weight Loss: Preliminary Findings in Obese Women Undergoing Bariatric Surgery. Psychosomatic Medicine, 2017, 79, 880-887.	1.3	105
252	Examining clinical similarities between myalgic encephalomyelitis/chronic fatigue syndrome and d-lactic acidosis: a systematic review. Journal of Translational Medicine, 2017, 15, 129.	1.8	19
253	Rationale for Investigating Stool Metabolites and Microbiota in Women With Fecal Incontinence. Diseases of the Colon and Rectum, 2017, 60, 249-252.	0.7	3
254	The gut-brain axis in Parkinson's disease: Possibilities for food-based therapies. European Journal of Pharmacology, 2017, 817, 86-95.	1.7	155
255	The Gut Metagenome Changes in Parallel to Waist Circumference, Brain Iron Deposition, and Cognitive Function. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 2962-2973.	1.8	40
256	Stress & the gut-brain axis: Regulation by the microbiome. Neurobiology of Stress, 2017, 7, 124-136.	1.9	736
257	Intervention strategies for cesarean sectionâ€“induced alterations in the microbiota-gut-brain axis. Nutrition Reviews, 2017, 75, 225-240.	2.6	73
258	Microbiota-Gut-Brain Axis: Modulator of Host Metabolism and Appetite. Journal of Nutrition, 2017, 147, 727-745.	1.3	280
259	Associations between Both Lignan and YogurtÂConsumption and Cardiovascular RiskÂParameters in an Elderly Population: Observations from a Cross-Sectional ApproachÂin the PREDIMED Study. Journal of the Academy of Nutrition and Dietetics, 2017, 117, 609-622.e1.	0.4	10
260	The Role of the Gastrointestinal Microbiota in Visceral Pain. Handbook of Experimental Pharmacology, 2017, 239, 269-287.	0.9	47

#	Article	IF	Citations
261	Alzheimerâ€™s Disease Histological andÂBehavioral Manifestations inÂTransgenic Mice Correlate withÂSpecificÂGut Microbiome State. Journal of Alzheimer's Disease, 2017, 56, 385-390.	1.2	217
262	Can gut flora changes be new biomarkers for depression?. Frontiers in Laboratory Medicine, 2017, 1, 129-134.	1.7	1
263	Gastroesophageal Reflux in Children. , 2017, , .		2
264	Gastro-oesophageal Reflux and Probiotic. , 2017, , 303-312.		0
265	A hospital-to-home evaluation of an enhanced recovery protocol for elective pancreaticoduodenectomy in China. Medicine (United States), 2017, 96, e8206.	0.4	7
266	The Gastrointestinal Tract. , 2017, , 35-43.		5
267	The Gut and Nonmotor Symptoms in Parkinson's Disease. International Review of Neurobiology, 2017, 134, 787-809.	0.9	47
268	Shared Dysregulation of Homeostatic Brain-Body Pathways in Depression and Type 2 Diabetes. Current Diabetes Reports, 2017, 17, 90.	1.7	23
269	Do bacteria shape our development? Crosstalk between intestinal microbiota and HPA axis. Neuroscience and Biobehavioral Reviews, 2017, 83, 458-471.	2.9	144
270	Sodium butyrate exerts protective effect against Parkinson's disease in mice via stimulation of glucagon like peptide-1. Journal of the Neurological Sciences, 2017, 381, 176-181.	0.3	133
271	The Role of the Indigenous Gut Microbiota in Human Health and Disease. Advances in Environmental Microbiology, 2017, , 75-104.	0.1	1
272	Role of Gut Microbiome in Neuromodulation. , 2017, , 105-122.		1
273	Bacteriophages as potential new mammalian pathogens. Scientific Reports, 2017, 7, 7043.	1.6	94
274	Brain-Gut-Microbiota Axis and Mental Health. Psychosomatic Medicine, 2017, 79, 920-926.	1.3	210
275	Evaluation of oral serum-derived bovine immunoglobulins in HIV-infected patients with chronic idiopathic diarrhea. HIV Clinical Trials, 2017, 18, 205-213.	2.0	2
276	Our Gut Microbiome: The Evolving Inner Self. Cell, 2017, 171, 1481-1493.	13.5	462
277	Exploring the microbiome in health and disease. Toxicology Research and Application, 2017, 1, 239784731774188.	0.7	36
279	Mode of delivery and child and adolescent psychological well-being: Evidence from Hong Kongâ€™s â€œChildren of 1997â€•birth cohort. Scientific Reports, 2017, 7, 15673.	1.6	8

#	Article	IF	Citations
280	Microbes Tickling Your Tummy: the Importance of the Gut-Brain Axis in Parkinsonâ€™s Disease. Current Behavioral Neuroscience Reports, 2017, 4, 361-368.	0.6	44
281	Inflammation and gut-brain axis link obesity to cognitive dysfunction: plausible pharmacological interventions. Current Opinion in Pharmacology, 2017, 37, 87-92.	1.7	119
282	Depletion of stercobilin in fecal matter from a mouse model of autism spectrum disorders. Metabolomics, 2017, 13, 1.	1.4	9
283	Reduced interstitial cells of Cajal and increased intraepithelial lymphocytes are associated with development of small intestinal bacterial overgrowth in post-infectious IBS mouse model. Scandinavian Journal of Gastroenterology, 2017, 52, 1065-1071.	0.6	10
284	Microbiota-Gut-Brain Axis, Part 1. Holistic Nursing Practice, 2017, 31, 133-136.	0.3	5
285	Establishment of anIn VitroIntestinal Epithelial Cell Culture Model of Avian Origin. Avian Diseases, 2017, 61, 229-236.	0.4	23
286	Coeliac disease and psychiatric comorbidity: epidemiology, pathophysiological mechanisms, quality-of-life, and gluten-free diet effects. International Review of Psychiatry, 2017, 29, 489-503.	1.4	29
287	The microbiota and autoimmunity: Their role in thyroid autoimmune diseases. Clinical Immunology, 2017, 183, 63-74.	1.4	91
288	Gut Dysbiosis and Neurobehavioral Alterations in Rats Exposed to Silver Nanoparticles. Scientific Reports, 2017, 7, 2822.	1.6	91
289	A future perspective on neurodegenerative diseases: nasopharyngeal and gut microbiota. Journal of Applied Microbiology, 2017, 122, 306-320.	1.4	17
290	Probiotics and Subclinical Psychological Symptoms in Healthy Participants: A Systematic Review and Meta-Analysis. Journal of Alternative and Complementary Medicine, 2017, 23, 249-258.	2.1	87
291	The effects of administration of theLactobacillus gasseristrain CP2305 on quality of life, clinical symptoms and changes in gene expression in patients with irritable bowel syndrome. Journal of Applied Microbiology, 2017, 122, 212-224.	1.4	28
292	Neurotransmitters: The Critical Modulators Regulating Gutâ€“Brain Axis. Journal of Cellular Physiology, 2017, 232, 2359-2372.	2.0	352
293	Gut instincts: microbiota as a key regulator of brain development, ageing and neurodegeneration. Journal of Physiology, 2017, 595, 489-503.	1.3	520
294	The microbiota-gut-brain axis as a key regulator of neural function and the stress response: Implications for human and animal health1,2. Journal of Animal Science, 2017, 95, 3225-3246.	0.2	84
295	The microbiome as a novel paradigm in studying stress and mental health.. American Psychologist, 2017, 72, 655-667.	3.8	59
296	Dendritic Cells in the Immune System-History, Lineages, Tissues, Tolerance, and Immunity. , 2017, , 155-207.		1
297	The role of microbiota in the pathogenesis of schizophrenia and major depressive disorder and the possibility of targeting microbiota as a treatment option. Oncotarget, 2017, 8, 100899-100907.	0.8	47

#	Article	IF	Citations
298	Effects of a Diet-Based Weight-Reducing Program with Probiotic Supplementation on Satiety Efficiency, Eating Behaviour Traits, and Psychosocial Behaviours in Obese Individuals. Nutrients, 2017, 9, 284.	1.7	88
299	Are the Gut Bacteria Telling Us to Eat or Not to Eat? Reviewing the Role of Gut Microbiota in the Etiology, Disease Progression and Treatment of Eating Disorders. Nutrients, 2017, 9, 602.	1.7	54
300	Prebiotic Effect of Fructooligosaccharides from Morinda officinalis on Alzheimerâ€™s Disease in Rodent Models by Targeting the Microbiota-Gut-Brain Axis. Frontiers in Aging Neuroscience, 2017, 9, 403.	1.7	154
301	Small Intestinal Bacterial Overgrowth and Irritable Bowel Syndrome: A Bridge between Functional Organic Dichotomy. Gut and Liver, 2017, 11, 196-208.	1.4	126
302	Parental and Early Developmental Stress Impact on Neurodevelopmental and Neuropsychiatric Disorders. , 2017, , 117-132.		0
303	Gut Dysbiosis in Animals Due to Environmental Chemical Exposures. Frontiers in Cellular and Infection Microbiology, 2017, 7, 396.	1.8	166
304	Clinical Evidence for the Microbiome in Inflammatory Diseases. Frontiers in Immunology, 2017, 8, 400.	2.2	46
305	The Influence of Host Stress on the Mechanism of Infection: Lost Microbiomes, Emergent Pathobiomes, and the Role of Interkingdom Signaling. Frontiers in Microbiology, 2017, 08, 322.	1.5	37
306	Human Gut Microbiota: Toward an Ecology of Disease. Frontiers in Microbiology, 2017, 8, 1265.	1.5	110
307	The Impact of Microbiota-Gut-Brain Axis on Diabetic Cognition Impairment. Frontiers in Aging Neuroscience, 2017, 9, 106.	1.7	39
308	The Role of Supplemental Complex Dietary Carbohydrates and Gut Microbiota in Promoting Cardiometabolic and Immunological Health in Obesity: Lessons from Healthy Non-Obese Individuals. Frontiers in Nutrition, 2017, 4, 34.	1.6	31
309	Microbiomeâ€“Gutâ€“Brain Axis: A Pathway for Improving Brainstem Serotonin Homeostasis and Successful Autoresuscitation in SIDSâ€”A Novel Hypothesis. Frontiers in Pediatrics, 2016, 4, 136.	0.9	7
310	Proteobacteria: A Common Factor in Human Diseases. BioMed Research International, 2017, 2017, 1-7.	0.9	673
311	Rett Syndrome: A Focus on Gut Microbiota. International Journal of Molecular Sciences, 2017, 18, 344.	1.8	63
312	Regulation of gut luminal serotonin by commensal microbiota in mice. PLoS ONE, 2017, 12, e0180745.	1.1	145
313	From the intestinal flora to the microbiome. Revista Espanola De Enfermedades Digestivas, 2017, 110, 51-56.	0.1	50
314	Gut Microbiotaâ€™s Effect on Mental Health: The Gut-Brain Axis. Clinics and Practice, 2017, 7, 987.	0.6	289
315	Migraine in young females with irritable bowel syndrome: still a challenge. Neuropsychiatric Disease and Treatment, 2018, Volume 14, 21-28.	1.0	26

#	Article	IF	Citations
316	The Role of the Gut Microbiota in Bile Acid Metabolism. Annals of Hepatology, 2017, 16, S21-S26.	0.6	210
317	Diabetes-induced mechanophysiological changes in the small intestine and colon. World Journal of Diabetes, 2017, 8, 249.	1.3	49
318	Gastrointestinal hormones in regulation of memory. Peptides, 2018, 102, 16-25.	1.2	22
319	Does the microbiome and virome contribute to myalgic encephalomyelitis/chronic fatigue syndrome?. Clinical Science, 2018, 132, 523-542.	1.8	38
320	Mind-altering with the gut: Modulation of the gut-brain axis with probiotics. Journal of Microbiology, 2018, 56, 172-182.	1.3	133
321	Gutâ€‰:â€‰liverâ€‰:â€‰brain axis: the microbial challenge in the hepatic encephalopathy. Food and Function, 2018, 9, 1373-1388.	2.1	55
322	Why does the microbiome affect behaviour?. Nature Reviews Microbiology, 2018, 16, 647-655.	13.6	222
323	The Brain-Gut-Microbiome Axis. Cellular and Molecular Gastroenterology and Hepatology, 2018, 6, 133-148.	2.3	735
324	Quantitative Assessment of Shotgun Metagenomics and 16S rDNA Amplicon Sequencing in the Study of Human Gut Microbiome. OMICS A Journal of Integrative Biology, 2018, 22, 248-254.	1.0	159
325	Perinatal selective serotonin reuptake inhibitor (SSRI) effects on body weight at birth and beyond: A review of animal and human studies. Reproductive Toxicology, 2018, 77, 109-121.	1.3	27
326	Epigenetics and neurodegeneration: role of early-life nutrition. Journal of Nutritional Biochemistry, 2018, 57, 1-13.	1.9	55
327	Dysregulation of Intestinal Health by Environmental Pollutants: Involvement of the Estrogen Receptor and Aryl Hydrocarbon Receptor. Environmental Science & Technology, 2018, 52, 2323-2330.	4.6	78
328	Dysbiosis of gut microbiota by chronic coexposure to titanium dioxide nanoparticles and bisphenol A: Implications for host health in zebrafish. Environmental Pollution, 2018, 234, 307-317.	3.7	136
329	A potential impact of Helicobacter pylori -related galectin-3 in neurodegeneration. Neurochemistry International, 2018, 113, 137-151.	1.9	21
330	Relationship between the gut microbiome and brain function. Nutrition Reviews, 2018, 76, 481-496.	2.6	219
331	Serotonin as a link between the gut-brain-microbiome axis in autism spectrum disorders. Pharmacological Research, 2018, 132, 1-6.	3.1	77
332	Actinobacteria: A relevant minority for the maintenance of gut homeostasis. Digestive and Liver Disease, 2018, 50, 421-428.	0.4	377
333	Butyrate promotes visceral hypersensitivity in an <scp>IBS</scp>â€like model via enteric glial cellâ€derived nerve growth factor. Neurogastroenterology and Motility, 2018, 30, e13227.	1.6	40

#	Article	IF	Citations
334	Steroids, stress and the gut microbiomeâ€brain axis. Journal of Neuroendocrinology, 2018, 30, e12548.	1.2	119
335	The fecal microbiome of ALS patients. Neurobiology of Aging, 2018, 61, 132-137.	1.5	102
336	Organâ€onâ€aâ€Chip Technology for Reproducing Multiorgan Physiology. Advanced Healthcare Materials, 2018, 7, 1700419.	3.9	88
338	Gut reactions: How the bloodâ€“brain barrier connects the microbiome and the brain. Experimental Biology and Medicine, 2018, 243, 159-165.	1.1	161
339	Role of Microbiota in Neurodegenerative Diseases. Russian Journal of Developmental Biology, 2018, 49, 297-313.	0.1	5
340	Neurodevelopment, Intestinal Function, and Autism. Neonatal and Pediatric Medicine, 2018, 04, .	0.1	0
341	Influence of Probiotic Supplementation on Brain Function: Involvement of Gut Microbiome, Inflammation, and Stress Pathway. , 2018, , .		1
342	Exploring Interactions between the Gut Microbiota and Social Behavior through Nutrition. Genes, 2018, 9, 534.	1.0	22
343	Gut Microbiota and Their Neuroinflammatory Implications in Alzheimerâ€™s Disease. Nutrients, 2018, 10, 1765.	1.7	161
344	A colon-specific prodrug of metoclopramide ameliorates colitis in an experimental rat model. Drug Design, Development and Therapy, 2019, Volume 13, 231-242.	2.0	7
345	Bidirectional gut-brain-microbiota axis as a potential link between inflammatory bowel disease and ischemic stroke. Journal of Neuroinflammation, 2018, 15, 339.	3.1	82
346	Exposure to heat-stress environment affects the physiology, circulation levels of cytokines, and microbiome in dairy cows. Scientific Reports, 2018, 8, 14606.	1.6	88
347	The gut microbiota mediates reward and sensory responses associated with regimen-selective morphine dependence. Neuropsychopharmacology, 2018, 43, 2606-2614.	2.8	130
348	Brainâ€“Gut Axis. Gastroenterology Clinics of North America, 2018, 47, 727-739.	1.0	43
349	Study on Urine Metabolic Profile of AÎ²25â€“35-Induced Alzheimer's Disease Using UHPLC-Q-TOF-MS. Neuroscience, 2018, 394, 30-43.	1.1	29
350	Gluten and Functional Abdominal Pain Disorders in Children. Nutrients, 2018, 10, 1491.	1.7	20
351	Role of Nutraceuticals in Modulation of Gut-Brain Axis in Elderly Persons. , 2018, , .		2
352	Bioethics and the Hypothesis of Extended Health. Kennedy Institute of Ethics Journal, 2018, 28, 341-376.	0.3	13

#	Article	IF	Citations
353	Prebiotics and synbiotics: Recent concepts in nutrition. Food Bioscience, 2018, 26, 152-160.	2.0	114
354	Lactobacillus helveticus (ATCC 27558) upregulates Runx2 and Bmp2 and modulates bone mineral density in ovariectomy-induced bone loss rats. Clinical Interventions in Aging, 2018, Volume 13, 1555-1564.	1.3	25
355	Targeting the gut microbiota to influence brain development and function in early life. Neuroscience and Biobehavioral Reviews, 2018, 95, 191-201.	2.9	57
356	Neuropsychiatric Disorders: Influence of Gut Microbe to Brain Signalling. Diseases (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.0	44
357	The prevalence and characteristics of complementary medicine use by Australian and American adults living with gastrointestinal disorders: A systematic review. Complementary Therapies in Medicine, 2018, 41, 52-60.	1.3	13
358	Gut microbiota regulates mouse behaviors through glucocorticoid receptor pathway genes in the hippocampus. Translational Psychiatry, 2018, 8, 187.	2.4	174
359	Role of Probiotics in Managing Gastrointestinal Dysfunction in Children with Autism Spectrum Disorder: An Update for Practitioners. Advances in Nutrition, 2018, 9, 637-650.	2.9	48
360	The Neuroendocrinology of the Microbiota-Gut-Brain Axis: A Behavioural Perspective. Frontiers in Neuroendocrinology, 2018, 51, 80-101.	2.5	218
361	Effectiveness of Probiotics in Children With Functional Abdominal Pain Disorders and Functional Constipation. Journal of Clinical Gastroenterology, 2018, 52, S10-S26.	1.1	31
362	Gut Microbiota Dysfunction as Reliable Non-invasive Early Diagnostic Biomarkers in the Pathophysiology of Parkinson's Disease: A Critical Review. Journal of Neurogastroenterology and Motility, 2018, 24, 30-42.	0.8	109
363	Neural Secretions and Regulation of Gut Functions. , 2018, , 527-684.		1
364	Enteric Microbiotaâ€“Gutâ€“Brain Axis from the Perspective of Nuclear Receptors. International Journal of Molecular Sciences, 2018, 19, 2210.	1.8	21
365	Gut-Brain Psychology: Rethinking Psychology From the Microbiotaâ€“Gutâ€“Brain Axis. Frontiers in Integrative Neuroscience, 2018, 12, 33.	1.0	169
366	Comparative Epidemiological Investigation of Alzheimerâ€™s Disease and Colorectal Cancer: The Possible Role of Gastrointestinal Conditions in the Pathogenesis of AD. Frontiers in Aging Neuroscience, 2018, 10, 176.	1.7	25
367	Clostridium butyricum Attenuates Chronic Unpredictable Mild Stress-Induced Depressive-Like Behavior in Mice via the Gut-Brain Axis. Journal of Agricultural and Food Chemistry, 2018, 66, 8415-8421.	2.4	117
368	Psychosocial Stress and Immunityâ€”What Can We Learn From Pig Studies?. Frontiers in Behavioral Neuroscience, 2018, 12, 64.	1.0	49
369	From the Bottom-Up: Chemotherapy and Gut-Brain Axis Dysregulation. Frontiers in Behavioral Neuroscience, 2018, 12, 104.	1.0	68
370	Development of an ex Vivo Method for Multi-unit Recording of Microbiota-Colonic-Neural Signaling in Real Time. Frontiers in Neuroscience, 2018, 12, 112.	1.4	17

#	Article	IF	Citations
371	Interplay Between the Gut-Brain Axis, Obesity and Cognitive Function. Frontiers in Neuroscience, 2018, 12, 155.	1.4	185
372	A Review of Traumatic Brain Injury and the Gut Microbiome: Insights into Novel Mechanisms of Secondary Brain Injury and Promising Targets for Neuroprotection. Brain Sciences, 2018, 8, 113.	1.1	77
373	The Mycobiome: A Neglected Component in the Microbiota-Gut-Brain Axis. Microorganisms, 2018, 6, 22.	1.6	73
374	Meanings, measurements, and musings on the significance of patterns in human microbiome variation. Current Opinion in Genetics and Development, 2018, 53, 43-52.	1.5	5
375	Chemotaxis of Escherichia coli to major hormones and polyamines present in human gut. ISME Journal, 2018, 12, 2736-2747.	4.4	62
376	Therapeutic effects of probiotics on neurotoxicity induced by clindamycin and propionic acid in juvenile hamsters. Metabolic Brain Disease, 2018, 33, 1811-1820.	1.4	10
377	Open-label pilot for treatment targeting gut dysbiosis in myalgic encephalomyelitis/chronic fatigue syndrome: neuropsychological symptoms and sex comparisons. Journal of Translational Medicine, 2018, 16, 24.	1.8	18
378	Ageâ€related changes in the gut microbiota influence systemic inflammation and stroke outcome. Annals of Neurology, 2018, 84, 23-36.	2.8	293
379	Acute exposure to PBDEs at an environmentally realistic concentration causes abrupt changes in the gut microbiota and host health of zebrafish. Environmental Pollution, 2018, 240, 17-26.	3.7	96
380	Development of the Pediatric Gut Microbiome: Impact on Health and Disease. American Journal of the Medical Sciences, 2018, 356, 413-423.	0.4	109
381	Effect of Diet on Gut Microbiota as an Etiological Factor in Autism Spectrum Disorder. , 2018, , 273-297.		2
382	Influence of Probiotics Administration on Gut Microbiota Core. Journal of Clinical Gastroenterology, 2018, 52, S50-S56.	1.1	39
383	Gut microbiome and magnetic resonance spectroscopy study of subjects at ultra-high risk for psychosis may support the membrane hypothesis. European Psychiatry, 2018, 53, 37-45.	0.1	88
384	The effects of repeated antibiotic administration to juvenile BALB/c mice on the microbiota status and animal behavior at the adult age. Heliyon, 2018, 4, e00644.	1.4	63
385	Gut Microbiota-Produced Tryptamine Activates an Epithelial G-Protein-Coupled Receptor to Increase Colonic Secretion. Cell Host and Microbe, 2018, 23, 775-785.e5.	5.1	268
386	Gut Microbiota in Brain Development and Disorders of the CNS: Therapeutic Strategies Involving Dietary Modification, Pro- and Prebiotic Intervention, and Fecal Microbiota Transplantation (FMT) Therapy. , 2018, , 517-594.		0
387	Infectious agents and amyotrophic lateral sclerosis: another piece of the puzzle of motor neuron degeneration. Journal of Neurology, 2019, 266, 27-36.	1.8	30
388	Beyond a neurotransmitter: The role of serotonin in inflammation and immunity. Pharmacological Research, 2019, 140, 100-114.	3.1	184

#	Article	IF	Citations
389	The Honeybee Gut Microbiota Is Altered after Chronic Exposure to Different Families of Insecticides and Infection by <i>Nosema ceranae</i>. Microbes and Environments, 2019, 34, 226-233.	0.7	54
390	Marine Toxins and Nociception: Potential Therapeutic Use in the Treatment of Visceral Pain Associated with Gastrointestinal Disorders. Toxins, 2019, 11, 449.	1.5	12
391	Health Benefits of Lactobacillus gasseri CP2305 Tablets in Young Adults Exposed to Chronic Stress: A Randomized, Double-Blind, Placebo-Controlled Study. Nutrients, 2019, 11, 1859.	1.7	145
392	Microbiota, the brain and epigenetics. , 2019, , 423-443.		0
393	Oxidative Stress Reduction (Prong-3). , 2019, , 139-254.		0
394	Are emotional states based in the brain? A critique of affective brainocentrism from a physiological perspective. Biology and Philosophy, 2019, 34, 45.	0.7	15
395	Monocyte mobilisation, microbiota & mental illness. Brain, Behavior, and Immunity, 2019, 81, 74-91.	2.0	35
396	The effects of benzo[a]pyrene on the composition of gut microbiota and the gut health of the juvenile sea cucumber Apostichopus japonicus Selenka. Fish and Shellfish Immunology, 2019, 93, 369-379.	1.6	32
397	Nutrigenomics as a Strategy for Neuronal Health. Healthy Ageing and Longevity, 2019, , 167-187.	0.2	1
398	Implications of Diet and The Gut Microbiome in Neuroinflammatory and Neurodegenerative Diseases. International Journal of Molecular Sciences, 2019, 20, 3109.	1.8	75
399	The Gut-Brain Axis in Neurodegenerative Diseases and Relevance of the Canine Model: A Review. Frontiers in Aging Neuroscience, 2019, 11, 130.	1.7	76
400	The role of the brainâ€“gutâ€“microbiota axis in psychology: The importance of considering gut microbiota in the development, perpetuation, and treatment of psychological disorders. Brain and Behavior, 2019, 9, e01408.	1.0	30
401	Stressing Out about Cancer Immunotherapy. Cancer Cell, 2019, 36, 468-470.	7.7	5
402	Gut Microbiota in Bipolar Depression and Its Relationship to Brain Function: An Advanced Exploration. Frontiers in Psychiatry, 2019, 10, 784.	1.3	49
403	The microbiome, the gutâ€“brain axis and migraine. Gastrointestinal Nursing, 2019, 17, 38-45.	0.0	3
404	Bacillus spp. Sporesâ€”A Promising Treatment Option for Patients with Irritable Bowel Syndrome. Nutrients, 2019, 11, 1968.	1.7	25
405	The Microbiota-Gut-Brain Axis. Physiological Reviews, 2019, 99, 1877-2013.	13.1	2,304
406	Probiotics for Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2019, 20, 4121.	1.8	97

#	Article	IF	Citations
407	Influence of the microbiota-gut-brain axis on behavior and welfare in farm animals: A review. Physiology and Behavior, 2019, 210, 112658.	1.0	78
408	Research on mechanism of charred hawthorn on digestive through modulating â€œbrain-gutâ€•axis and gut flora. Journal of Ethnopharmacology, 2019, 245, 112166.	2.0	33
409	Obesity-related cognitive impairment: The role of endothelial dysfunction. Neurobiology of Disease, 2019, 132, 104580.	2.1	65
410	Global research trends in microbiome-gut-brain axis during 2009â€“2018: a bibliometric and visualized study. BMC Gastroenterology, 2019, 19, 158.	0.8	45
411	Meta-analysis of alcohol induced gut dysbiosis and the resulting behavioral impact. Behavioural Brain Research, 2019, 376, 112196.	1.2	57
412	Celiac Disease Autoimmunity and Emotional and Behavioral Problems in Childhood. Pediatrics, 2019, 144, e20183933.	1.0	4
413	Effect of Repeated Consumption of Partially Hydrolyzed Guar Gum on Fecal Characteristics and Gut Microbiota: A Randomized, Double-Blind, Placebo-Controlled, and Parallel-Group Clinical Trial. Nutrients, 2019, 11, 2170.	1.7	41
414	Gut Microbiota in Neurological Disorders. Archivum Immunologiae Et Therapiae Experimentalis, 2019, 67, 375-383.	1.0	48
415	Impact of Diet and the Gut Microbiome on Neurodegeneration and Regeneration in Neurological Disorders. Neuroforum, 2019, 25, 39-47.	0.2	1
416	Reprint of: Serotonin as a link between the gut-brain-microbiome axis in autism spectrum disorders. Pharmacological Research, 2019, 140, 115-120.	3.1	38
417	Probiotics and Herbal Therapies. , 2019, , 103-113.		0
419	Lactobacillus fermentum PS150 showed psychotropic properties by altering serotonergic pathway during stress. Journal of Functional Foods, 2019, 59, 352-361.	1.6	15
420	Effects of Intranasal Pseudorabies Virus AH02LA Infection on Microbial Community and Immune Status in the Ileum and Colon of Piglets. Viruses, 2019, 11, 518.	1.5	13
421	Dysbiosis of the intestinal microbiota in neurocritically ill patients and the risk for death. Critical Care, 2019, 23, 195.	2.5	84
422	Laryngopharyngeal Reflux Disease. , 2019, , .		3
423	Altered microbiomes distinguish Alzheimerâ€™s disease from amnestic mild cognitive impairment and health in a Chinese cohort. Brain, Behavior, and Immunity, 2019, 80, 633-643.	2.0	358
424	Making sense of gut feelings in the traumatic brain injury pathogenesis. Neuroscience and Biobehavioral Reviews, 2019, 102, 345-361.	2.9	28
425	Progenitors from the central nervous system drive neurogenesis in cancer. Nature, 2019, 569, 672-678.	13.7	188

#	Article	IF	Citations
426	Bacillus subtilis Strain DSM 29784 Modulates the Cecal Microbiome, Concentration of Short-Chain Fatty Acids, and Apparent Retention of Dietary Components in Shaver White Chickens during Grower, Developer, and Laying Phases. Applied and Environmental Microbiology, 2019, 85, .	1.4	43
427	The Gut Microbiotaâ€“Brain Axis Expands Neurologic Function: A Nervous Rapport. BioEssays, 2019, 41, 1800268.	1.2	12
428	Challenges in IBD Research: Environmental Triggers. Inflammatory Bowel Diseases, 2019, 25, S13-S23.	0.9	62
429	Complex Feed-Forward and Feedback Mechanisms Underlie the Relationship Between Traumatic Brain Injury and the Gutâ€“Microbiotaâ€“Brain Axis. Shock, 2019, 52, 318-325.	1.0	23
430	Dairy and Nondairy-Based Beverages as a Vehicle for Probiotics, Prebiotics, and Symbiotics: Alternatives to Health Versus Disease Binomial Approach Through Food. , 2019, , 473-520.		10
431	From Probiotics to Psychobiotics: Live Beneficial Bacteria Which Act on the Brain-Gut Axis. Nutrients, 2019, 11, 890.	1.7	99
432	Functional gastrointestinal disorders and gut-brain axis: What does the future hold?. World Journal of Gastroenterology, 2019, 25, 552-566.	1.4	85
433	Autism Spectrum Disorders and the Gut Microbiota. Nutrients, 2019, 11, 521.	1.7	258
434	Challenge and Prospect of Traditional Chinese Medicine in Depression Treatment. Frontiers in Neuroscience, 2019, 13, 190.	1.4	32
435	Glutamatergic Signaling Along The Microbiota-Gut-Brain Axis. International Journal of Molecular Sciences, 2019, 20, 1482.	1.8	183
436	Growth performance, apparent retention of components, and excreta dry matter content in Shaver White pullets (5 to 16 week of age) in response to dietary supplementation of graded levels of a single strain Bacillus subtilis probiotic. Poultry Science, 2019, 98, 3777-3786.	1.5	18
437	A potential role for the gut microbiome in substance use disorders. Psychopharmacology, 2019, 236, 1513-1530.	1.5	110
438	Prebiotic oligosaccharides from dragon fruits alter gut motility in mice. Biomedicine and Pharmacotherapy, 2019, 114, 108821.	2.5	23
439	Antibiotic treatment-induced dysbiosis differently affects BDNF and TrkB expression in the brain and in the gut of juvenile mice. PLoS ONE, 2019, 14, e0212856.	1.1	54
440	Current Understanding of Gut Microbiota in Mood Disorders: An Update of Human Studies. Frontiers in Genetics, 2019, 10, 98.	1.1	160
441	Higher Risk of Stroke Is Correlated With Increased Opportunistic Pathogen Load and Reduced Levels of Butyrate-Producing Bacteria in the Gut. Frontiers in Cellular and Infection Microbiology, 2019, 9, 4.	1.8	134
442	Reviews on Biomarker Studies in Psychiatric and Neurodegenerative Disorders. Advances in Experimental Medicine and Biology, 2019, , .	0.8	6
443	Role of the Gut Microbiome in Autism Spectrum Disorders. Advances in Experimental Medicine and Biology, 2019, 1118, 253-269.	0.8	98

#	Article	IF	Citations
444	Fructooligosaccharides Ameliorating Cognitive Deficits and Neurodegeneration in APP/PS1 Transgenic Mice through Modulating Gut Microbiota. Journal of Agricultural and Food Chemistry, 2019, 67, 3006-3017.	2.4	86
445	Neuro-Immune Interactions in Depression: Mechanisms and Translational Implications. , 2019, , 75-88.		0
446	Gut microbiota diversity is associated with cardiorespiratory fitness in postâ€primary treatment breast cancer survivors. Experimental Physiology, 2019, 104, 529-539.	0.9	14
447	Influence of Gut Microbiota on Behavior and Its Disturbances. , 0, , .		7
448	Some Mechanistical and Computational Aspects on the Correlations that Might Exist between Irritable Bowel Syndrome Versus Sleep Patterns and Disturbances. , 2019, , .		1
449	Gut Microbiome and Modulation of <scp>CNS</scp> Function. , 2019, 10, 57-72.		40
450	Gut microbiota analysis and its significance in vasovagal syncope in children. Chinese Medical Journal, 2019, 132, 411-419.	0.9	7
451	Exercise and probiotics attenuate the development of Alzheimer's disease in transgenic mice: Role of microbiome. Experimental Gerontology, 2019, 115, 122-131.	1.2	177
452	Specific Microbiota Dynamically Regulate the Bidirectional Gutâ€“Brain Axis Communications in Mice Fed Meat Protein Diets. Journal of Agricultural and Food Chemistry, 2019, 67, 1003-1017.	2.4	34
453	Interactions between gut permeability and brain structure and function in health and irritable bowel syndrome. NeuroImage: Clinical, 2019, 21, 101602.	1.4	31
454	Feeding melancholic microbes: MyNewGut recommendations on diet and mood. Clinical Nutrition, 2019, 38, 1995-2001.	2.3	58
455	Preventing and Treating Colic. Advances in Experimental Medicine and Biology, 2019, 1125, 49-56.	0.8	4
456	An insight into gut microbiota and its functionalities. Cellular and Molecular Life Sciences, 2019, 76, 473-493.	2.4	552
457	Thinking Outside the Cereal Box: Noncarbohydrate Routes for Dietary Manipulation of the Gut Microbiota. Applied and Environmental Microbiology, 2019, 85, .	1.4	14
458	An Introductory Guide to Organizational Neuroscience. Organizational Research Methods, 2019, 22, 6-16.	5.6	21
459	Beneficial effects of dietary restriction in aging brain. Journal of Chemical Neuroanatomy, 2019, 95, 123-133.	1.0	35
460	Neurobehavioural effects of Lactobacillus rhamnosus GG alone and in combination with prebiotics polydextrose and galactooligosaccharide in male rats exposed to early-life stress. Nutritional Neuroscience, 2019, 22, 425-434.	1.5	79
461	A review of probiotic supplementation in healthy adults: helpful or hype?. European Journal of Clinical Nutrition, 2019, 73, 24-37.	1.3	159

#	Article	IF	Citations
462	Current evidence linking diet to gut microbiota and brain development and function. International Journal of Food Sciences and Nutrition, 2019, 70, 1-19.	1.3	69
463	Ginsenoside Rb1 exerts neuroprotective effects through regulation of Lactobacillus helveticus abundance and GABAA receptor expression. Journal of Ginseng Research, 2020, 44, 86-95.	3.0	20
464	Parkinsonâ€™s disease and the gastrointestinal microbiome. Journal of Neurology, 2020, 267, 2507-2523.	1.8	119
465	Depression's Unholy Trinity: Dysregulated Stress, Immunity, and the Microbiome. Annual Review of Psychology, 2020, 71, 49-78.	9.9	152
466	Neuroprotection and immunomodulation of progesterone in the gut of a mouse model of Parkinson's disease. Journal of Neuroendocrinology, 2020, 32, e12782.	1.2	10
467	Post-stroke remodeling processes in animal models and humans. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 3-22.	2.4	73
468	Hydroxycinnamic acids and human health: recent advances. Journal of the Science of Food and Agriculture, 2020, 100, 483-499.	1.7	96
469	Neuro-hormonal Regulation Is a Better Indicator of Human Cognitive Abilities Than Brain Anatomy: The Need for a New Paradigm. Frontiers in Neuroanatomy, 2019, 13, 101.	0.9	7
470	Gutted! Unraveling the Role of the Microbiome in Major Depressive Disorder. Harvard Review of Psychiatry, 2020, 28, 26-39.	0.9	94
471	Gut Microbiota: A Perspective for Psychiatrists. Neuropsychobiology, 2020, 79, 50-62.	0.9	87
472	Gastrointestinal disorders-induced pain. Gene Reports, 2020, 18, 100580.	0.4	1
473	Implications of gut microbiota dysbiosis and metabolic changes in prion disease. Neurobiology of Disease, 2020, 135, 104704.	2.1	33
474	An overview of the neuroendocrine system in Parkinsonâ€™s disease: what is the impact on diagnosis and treatment?. Expert Review of Neurotherapeutics, 2020, 20, 127-135.	1.4	7
475	Children with autism spectrum disorder: Pilot studies examining the salivary microbiome and implications for gut metabolism and social behavior. Human Microbiome Journal, 2020, 15, 100066.	3.8	12
476	The connection between microbiome and schizophrenia. Neuroscience and Biobehavioral Reviews, 2020, 108, 712-731.	2.9	50
477	Specificity of gut microbiota in children with autism spectrum disorder in Slovakia and its correlation with astrocytes activity marker and specific behavioural patterns. Physiology and Behavior, 2020, 214, 112745.	1.0	23
478	Annual Research Review: Critical windows â€“ the microbiotaâ€“gutâ€“brain axis in neurocognitive development. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2020, 61, 353-371.	3.1	103
479	Mutual Interactions among Exercise, Sport Supplements and Microbiota. Nutrients, 2020, 12, 17.	1.7	57

#	Article	IF	Citations
480	Effects of Probiotic Supplementation on Gastrointestinal, Sensory and Core Symptoms in Autism Spectrum Disorders: A Randomized Controlled Trial. Frontiers in Psychiatry, 2020, 11, 550593.	1.3	86
481	Gutâ€“Brain Axis: Role of Gut Microbiota on Neurological Disorders and How Probiotics/Prebiotics Beneficially Modulate Microbial and Immune Pathways to Improve Brain Functions. International Journal of Molecular Sciences, 2020, 21, 7551.	1.8	131
482	The human gut microbiota is neither an organ nor a commensal. FEBS Letters, 2020, 594, 3262-3271.	1.3	28
483	Potential of gut microbiome for detection of autism spectrum disorder. Microbial Pathogenesis, 2020, 149, 104568.	1.3	21
484	Integrative Review of Gut Microbiota and Expression of Symptoms Associated With Neonatal Abstinence Syndrome. Nursing Research, 2020, 69, S66-S78.	0.8	2
485	The microbiota-gut-brain axis: An emerging therapeutic target in chemotherapy-induced cognitive impairment. Neuroscience and Biobehavioral Reviews, 2020, 116, 470-479.	2.9	25
486	Impaired cognitive function in Crohnâ€™s disease: Relationship to disease activity. Brain, Behavior, & Immunity - Health, 2020, 5, 100093.	1.3	11
487	Bugs, breathing and blood pressure: microbiotaâ€“gutâ€“brain axis signalling in cardiorespiratory control in health and disease. Journal of Physiology, 2020, 598, 4159-4179.	1.3	18
488	Ketamine in Bipolar Disorder: A Review . Neuropsychiatric Disease and Treatment, 2020, Volume 16, 2707-2717.	1.0	22
489	Resveratrol Modulates the Gut-Brain Axis: Focus on Glucagon-Like Peptide-1, 5-HT, and Gut Microbiota. Frontiers in Aging Neuroscience, 2020, 12, 588044.	1.7	24
490	Effects of Oat Fiber Intervention on Cognitive Behavior in LDLR^{â€“/â€“} Mice Modeling Atherosclerosis by Targeting the Microbiomeâ€“Gutâ€“Brain Axis. Journal of Agricultural and Food Chemistry, 2020, 68, 14480-14491.	2.4	24
491	Effects of a high-fat-diet supplemented with probiotics and Ï‰3-fatty acids on appetite regulatory neuropeptides and neurotransmitters in a pig model. Beneficial Microbes, 2020, 11, 347-359.	1.0	12
492	A cross-sectional study of gastrointestinal symptoms, depressive symptoms and trait anxiety in young adults. BMC Psychiatry, 2020, 20, 535.	1.1	26
493	Irritable bowel syndrome and gut microbiota. , 2020, , 57-68.		0
494	Past, Present, and Future of Gastrointestinal Microbiota Research in Cats. Frontiers in Microbiology, 2020, 11, 1661.	1.5	22
495	Effect of Xiaoyaosan on Colon Morphology and Intestinal Permeability in Rats With Chronic Unpredictable Mild Stress. Frontiers in Pharmacology, 2020, 11, 1069.	1.6	44
497	A murine model of pediatric inflammatory bowel disease causes microbiota-gut-brain axis deficits in adulthood. American Journal of Physiology - Renal Physiology, 2020, 319, G361-G374.	1.6	27
498	Human gut microbiota/microbiome in health and diseases: a review. Antonie Van Leeuwenhoek, 2020, 113, 2019-2040.	0.7	473

#	Article	IF	Citations
499	The Impact of Gut Microbiota Disorders on the Bloodâ€“Brain Barrier . Infection and Drug Resistance, 2020, Volume 13, 3351-3363.	1.1	56
500	Gut-Brain Axis in the Early Postnatal Years of Life: A Developmental Perspective. Frontiers in Integrative Neuroscience, 2020, 14, 44.	1.0	48
501	Gut Microbiome Associated with the Psychoneurological Symptom Cluster in Patients with Head and Neck Cancers. Cancers, 2020, 12, 2531.	1.7	27
502	Environmental Endocrine-Disrupting Chemical Exposure: Role in Non-Communicable Diseases. Frontiers in Public Health, 2020, 8, 553850.	1.3	158
503	Mast Cells, Astrocytes, Arachidonic Acid: Do They Play a Role in Depression?. Applied Sciences (Switzerland), 2020, 10, 3455.	1.3	8
504	The Gut Microbiome in Psychosis From Mice to Men: A Systematic Review of Preclinical and Clinical Studies. Frontiers in Psychiatry, 2020, 11, 799.	1.3	19
505	Gut Microbiota between Environment and Genetic Background in Familial Mediterranean Fever (FMF). Genes, 2020, 11, 1041.	1.0	16
506	Selenization of S. cerevisiae increases its protective potential in experimental autoimmune encephalomyelitis by triggering an intestinal immunomodulatory loop. Scientific Reports, 2020, 10, 22190.	1.6	8
507	Cultural Differences in Stress-Related Psychological, Nutrition, Physical Activity and Oral Health Factors of Professors. Nutrients, 2020, 12, 3644.	1.7	18
509	The microbiota-gut-brain axis: Focus on the fundamental communication pathways. Progress in Molecular Biology and Translational Science, 2020, 176, 43-110.	0.9	35
510	Faecal microbiota transplantation alleviates symptoms of depression in individuals with irritable bowel syndrome: A case series. Medicine in Microecology, 2020, 6, 100029.	0.7	12
511	Distinct actions of the fermented beverage kefir on host behaviour, immunity and microbiome gut-brain modules in the mouse. Microbiome, 2020, 8, 67.	4.9	55
512	Oxidative Stress at the Crossroads of Aging, Stroke and Depression. , 2020, 11, 1537.		64
513	Traditional Chinese Medicine in Emergency Treatment Mechanism and Application . Open Access Emergency Medicine, 2020, Volume 12, 111-119.	0.6	6
514	Microbiome and Schizophrenia: Current Evidence and Future Challenges. Current Behavioral Neuroscience Reports, 2020, 7, 51-61.	0.6	9
515	Higher prevalence of obesity among children with functional abdominal pain disorders. BMC Pediatrics, 2020, 20, 193.	0.7	18
516	Gut Microbiota in Acute Ischemic Stroke: From Pathophysiology to Therapeutic Implications. Frontiers in Neurology, 2020, 11, 598.	1.1	62
517	The effects of gastrointestinal symptoms on structural grey matter volume in youth. International Journal of Developmental Neuroscience, 2020, 80, 477-488.	0.7	2

#	Article	IF	Citations
518	Successful dietary treatment of aggression and behavioral changes inÂa dog. Journal of Veterinary Behavior: Clinical Applications and Research, 2020, 37, 56-60.	0.5	8
519	Probiotic Modulation of Lipid Metabolism Disorders Caused by Perfluorobutanesulfonate Pollution in Zebrafish. Environmental Science & Technology, 2020, 54, 7494-7503.	4.6	64
520	The dichotomous role of the gut microbiome in exacerbating and ameliorating neurodegenerative disorders. Expert Review of Neurotherapeutics, 2020, 20, 673-686.	1.4	26
521	Evaluation of antibiotic-induced behavioral changes in mice. Physiology and Behavior, 2020, 223, 113015.	1.0	11
522	The Promising Role of Probiotics in Managing the Altered Gut in Autism Spectrum Disorders. International Journal of Molecular Sciences, 2020, 21, 4159.	1.8	48
523	Interaction between Tea Polyphenols and Intestinal Microbiota in Host Metabolic Diseases from the Perspective of the Gutâ€“Brain Axis. Molecular Nutrition and Food Research, 2020, 64, e2000187.	1.5	24
524	A metabolomics approach to investigate urine levels of neurotransmitters and related metabolites in autistic children. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165859.	1.8	34
525	Human resident gut microbe Bacteroides thetaiotaomicron regulates colonic neuronal innervation and neurogenic function. Gut Microbes, 2020, 11, 1745-1757.	4.3	45
526	Tryptophan Metabolites Along the Microbiota-Gut-Brain Axis: An Interkingdom Communication System Influencing the Gut in Health and Disease. International Journal of Tryptophan Research, 2020, 13, 117864692092898.	1.0	111
527	How microbiota shape microglial phenotypes and epigenetics. Glia, 2020, 68, 1655-1672.	2.5	44
528	Towards a psychobiotic therapy for depression: Bifidobacterium breve CCFM1025 reverses chronic stress-induced depressive symptoms and gut microbial abnormalities in mice. Neurobiology of Stress, 2020, 12, 100216.	1.9	159
529	Gut Microbiota Regulates Depression-Like Behavior in Rats Through the Neuroendocrine-Immune-Mitochondrial Pathway . Neuropsychiatric Disease and Treatment, 2020, Volume 16, 859-869.	1.0	68
530	Are probiotics useful in the treatment of chronic idiopathic constipation in adults? A review of existing systematic reviews, meta-analyses, and recommendations. Przeglad Gastroenterologiczny, 2020, 15, 103-118.	0.3	10
531	Role of gut microbiota in the GBR12909 model of mania-like behavior in mice. Journal of Neuroimmunology, 2020, 346, 577292.	1.1	6
532	When Rhythms Meet the Blues: Circadian Interactions with the Microbiota-Gut-Brain Axis. Cell Metabolism, 2020, 31, 448-471.	7.2	101
533	Oral Treatments With Probiotics and Live Salmonella Vaccine Induce Unique Changes in Gut Neurochemicals and Microbiome in Chickens. Frontiers in Microbiology, 2019, 10, 3064.	1.5	16
534	The mutual interplay of gut microbiota, diet and human disease. FEBS Journal, 2020, 287, 833-855.	2.2	176
535	Asymptomatic Clostridium perfringens Inhabitation in Intestine Can Cause Inflammation, Apoptosis, and Disorders in Brain. Foodborne Pathogens and Disease, 2020, 17, 52-65.	0.8	5

#	Article	IF	Citations
536	Gut dysbiosis and serotonin: intestinal 5-HT as a ubiquitous membrane permeability regulator in host tissues, organs, and the brain. Reviews in the Neurosciences, 2020, 31, 415-425.	1.4	24
537	Co-cultured non-marine ostracods from a temporary wetland harbor host-specific microbiota of different metabolic profiles. Hydrobiologia, 2020, 847, 2503-2519.	1.0	4
538	An overview of addiction to sugar. , 2020, , 195-216.		6
539	Reductions in anti-inflammatory gut bacteria are associated with depression in a sample of young adults. Brain, Behavior, and Immunity, 2020, 88, 308-324.	2.0	115
540	Polyphenols selectively reverse early-life stress-induced behavioural, neurochemical and microbiota changes in the rat. Psychoneuroendocrinology, 2020, 116, 104673.	1.3	49
541	Overview of Brain-to-Gut Axis Exposed to Chronic CNS Bacterial Infection(s) and a Predictive Urinary Metabolic Profile of a Brain Infected by Mycobacterium tuberculosis. Frontiers in Neuroscience, 2020, 14, 296.	1.4	12
542	Neuropeptides in gut-brain axis and their influence on host immunity and stress. Computational and Structural Biotechnology Journal, 2020, 18, 843-851.	1.9	45
543	Gut Microbiota and Pathogenesis of Organ Injury. Advances in Experimental Medicine and Biology, 2020, , .	0.8	7
544	Sex differences in the performance of cognitive tasks in a murine model of metabolic syndrome. European Journal of Neuroscience, 2020, 52, 2724-2736.	1.2	7
545	Effects of Three Distinct 2-Week Long Diet Strategies After Transport on Weaned Pigs' Short and Long-Term Welfare Markers, Behaviors, and Microbiota. Frontiers in Veterinary Science, 2020, 7, 140.	0.9	8
546	The diversity of gut microbiota in type 2 diabetes with or without cognitive impairment. Aging Clinical and Experimental Research, 2021, 33, 589-601.	1.4	33
547	In Vitro Properties of Potential Probiotic Indigenous Yeasts Originating from Fermented Food and Beverages in Taiwan. Probiotics and Antimicrobial Proteins, 2021, 13, 113-124.	1.9	19
548	Gutâ€“organ axis: a microbial outreach and networking. Letters in Applied Microbiology, 2021, 72, 636-668.	1.0	115
549	Past appendectomy may be related to early cognitive dysfunction in Parkinsonâ€™s disease. Neurological Sciences, 2021, 42, 123-130.	0.9	2
550	Molecular mechanisms of neurodegeneration in neurotraumatic diseases. , 2021, , 81-116.		0
551	Differential alteration in gut microbiome profiles during acquisition, extinction and reinstatement of morphine-induced CPP. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 104, 110058.	2.5	22
552	Age-related changes in intestinal immunity and the microbiome. Journal of Leukocyte Biology, 2021, 109, 1045-1061.	1.5	33
553	Rainbow darter (Etheostoma caeruleum) from a river impacted by municipal wastewater effluents have altered gut content microbiomes. Science of the Total Environment, 2021, 751, 141724.	3.9	19

#	Article	IF	Citations
554	Nutritional and therapeutic approaches for protecting human gut microbiota from psychotropic treatments. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 108, 110182.	2.5	7
555	Gut Microbial Dysbiosis in the Pathogenesis of Gastrointestinal Dysmotility and Metabolic Disorders. Journal of Neurogastroenterology and Motility, 2021, 27, 19-34.	0.8	111
556	Characterization of the Gastric Mucosal Microbiota in Patients with Liver Cirrhosis and Its Associations with Gastrointestinal Symptoms. Engineering, 2021, 7, 507-514.	3.2	0
557	The effects of lactobacilli (L. rhamnosus, L. reuteri, L. Plantarum) on LPS-induced memory impairment and changes in CaMKII-Î± and TNF-Î± genes expression in the hippocampus of rat. Physiology and Behavior, 2021, 229, 113224.	1.0	10
558	Microbiome-gut-brain axis in cancer treatment-related psychoneurological toxicities and symptoms: a systematic review. Supportive Care in Cancer, 2021, 29, 605-617.	1.0	37
559	Gut microbiotaâ€“brain axis in depression: The role of neuroinflammation. European Journal of Neuroscience, 2021, 53, 222-235.	1.2	118
560	The microbiota-gut-brain axis and bipolar disorder. , 2021, , 275-284.		0
561	An Integrative Second-Order Adaptive Network Model for the Effect of L. Reuteri Probiotics in the Gut on ASD Symptoms. Procedia Computer Science, 2021, 190, 450-462.	1.2	0
562	The gutâ€“brain axis in vertebrates: implications for food intake regulation. Journal of Experimental Biology, 2021, 224, .	0.8	19
563	Gut Microbiota and Parkinsonâ€™s Disease: Implications for Faecal Microbiota Transplantation Therapy. ASN Neuro, 2021, 13, 175909142110162.	1.5	19
564	Priming for Life: Early Life Nutrition and the Microbiota-Gut-Brain Axis. Nutrients, 2021, 13, 423.	1.7	83
565	Altered physiology of gastrointestinal vagal afferents following neurotrauma. Neural Regeneration Research, 2021, 16, 254.	1.6	11
566	Alterations in short-chain fatty acids and serotonin in irritable bowel syndrome: a systematic review and meta-analysis. BMC Gastroenterology, 2021, 21, 14.	0.8	22
567	Microbiotaâ€gutâ€brain axis as a regulator of reward processes. Journal of Neurochemistry, 2021, 157, 1495-1524.	2.1	60
568	Potential beneficial role of probiotics on the outcome of COVID-19 patients: An evolving perspective. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2021, 15, 295-301.	1.8	64
569	Diet, Immune System, and Psychiatric Disorders. , 2021, , 401-415.		0
570	Impact of Microbial Metabolites on Microbiotaâ€“Gutâ€“Brain Axis in Inflammatory Bowel Disease. International Journal of Molecular Sciences, 2021, 22, 1623.	1.8	56
571	Effects of the antibiotic rifaximin on cortical functional connectivity are mediated through insular cortex. Scientific Reports, 2021, 11, 4479.	1.6	3

#	Article	IF	Citations
572	Interplay of Good Bacteria and Central Nervous System: Cognitive Aspects and Mechanistic Considerations. Frontiers in Neuroscience, 2021, 15, 613120.	1.4	32
573	Fecal Microbiota Transplantation Is a Promising Method to Restore Gut Microbiota Dysbiosis and Relieve Neurological Deficits after Traumatic Brain Injury. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-21.	1.9	54
574	Regulation of Gut Microbiota Disrupts the Glucocorticoid Receptor Pathway and Inflammation-related Pathways in the Mouse Hippocampus. Experimental Neurobiology, 2021, 30, 59-72.	0.7	1
575	Out of our skull, in our skin: the Microbiota-Gut-Brain axis and the Extended Cognition Thesis. Biology and Philosophy, 2021, 36, 1.	0.7	13
576	Gut microbiota resilience in horse athletes following holidays out to pasture. Scientific Reports, 2021, 11, 5007.	1.6	19
577	Effects of Chronic Oral Probiotic Treatment in Paclitaxel-Induced Neuropathic Pain. Biomedicines, 2021, 9, 346.	1.4	31
578	Marine Natural Products: Promising Candidates in the Modulation of Gut-Brain Axis towards Neuroprotection. Marine Drugs, 2021, 19, 165.	2.2	19
579	Young at Gutâ€"Turning Back the Clock with the Gut Microbiome. Microorganisms, 2021, 9, 555.	1.6	9
581	Rebuilding Microbiome for Mitigating Traumatic Brain Injury: Importance of Restructuring the Gut-Microbiome-Brain Axis. Molecular Neurobiology, 2021, 58, 3614-3627.	1.9	20
582	Biological role of zonulin: a biomarker of increased intestinal permeability syndrome. Rossiyskiy Vestnik Perinatologii I Pediatrii, 2021, 66, 31-38.	0.1	6
583	Unravelling the potential of gut microbiota in sustaining brain health and their current prospective towards development of neurotherapeutics. Archives of Microbiology, 2021, 203, 2895-2910.	1.0	8
584	Gut Feeding the Brain:DrosophilaGut an Animal Model for Medicine to Understand Mechanisms Mediating Food Preferences. , 0, , .		3
585	Disorder of intestinal amino acid pathway in depression-like offspring rats induced by maternal separation. Zhejiang Da Xue Xue Bao Yi Xue Ban = Journal of Zhejiang University Medical Sciences, 2021, 50, 298-304.	0.1	0
586	Gut microbiome-mediated epigenetic regulation of brain disorder and application of machine learning for multi-omics data analysis. Genome, 2021, 64, 355-371.	0.9	25
587	The Role of Nutrient Supplementation in the Management of Chronic Pain in Fibromyalgia: A Narrative Review. Pain and Therapy, 2021, 10, 827-848.	1.5	7
589	Working With Patients With Chronic Digestive Diseases. Journal of Health Service Psychology, 2021, 47, 105-114.	0.6	2
590	Could the Gut Microbiota Serve as a Therapeutic Target in Ischemic Stroke?. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-15.	0.5	8
592	Gut microbiome alpha-diversity is not a marker of Parkinsonâ€™s disease and multiple sclerosis. Brain Communications, 2021, 3, fcab113.	1.5	39

#	Article	IF	Citations
593	Gut Microbiota Composition and Epigenetic Molecular Changes Connected to the Pathogenesis of Alzheimerâ€™s Disease. Journal of Molecular Neuroscience, 2021, 71, 1436-1455.	1.1	30
594	The Microbiota-Gut-Brain Axis: From Motility to Mood. Gastroenterology, 2021, 160, 1486-1501.	0.6	356
595	Potential role of indolelactate and butyrate in multiple sclerosis revealed by integrated microbiome-metabolome analysis. Cell Reports Medicine, 2021, 2, 100246.	3.3	37
596	Ingestion of Bifidobacterium longum changes miRNA levels in the brains of mice. PLoS ONE, 2021, 16, e0249817.	1.1	1
597	The Potential Impact of Selected Bacterial Strains on the Stress Response. Healthcare (Switzerland), 2021, 9, 494.	1.0	6
598	Crosstalk between gut microbiome and immunology in the management of ischemic brain injury. Journal of Neuroimmunology, 2021, 353, 577498.	1.1	17
599	Irritable Bowel Syndrome and Coping Strategies: A Cross-sectional Study for Identifying Psychological Alarms and Factors Related to Coping in Riyadh, Saudi Arabia. Clinical Nursing Research, 2022, 31, 105477382110204.	0.7	1
600	Constipation in the critically ill child. Pediatric Medicine, 0, 5, 14-14.	1.1	1
601	Study on the mechanism of regulating the hypothalamic cortical hormone releasing hormone/corticotropin releasing hormone type I receptor pathway by vibro-annular abdominal massage under the brainâ€“intestine interaction in the treatment of insomnia. Medicine (United States), 2021, 100, e25854.	0.4	9
602	Gut Microbiota-Related Effects of Tanhuo Decoction in Acute Ischemic Stroke. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-18.	1.9	28
603	Altered Gut Microbiota in a Fragile X Syndrome Mouse Model. Frontiers in Neuroscience, 2021, 15, 653120.	1.4	16
604	Treating the Metabolic Syndrome by Fecal Transplantationâ€”Current Status. Biology, 2021, 10, 447.	1.3	9
605	Dysbiosis of intestinal microbiota in autism spectrum disorders: new horizons in search for pathogenetic approaches to therapy. Part 2. Gutâ€“brain axis in pathogenesis of autism spectrum disorders. Zhurnal Mikrobiologii Epidemiologii I Immunobiologii, 2021, 98, 221-230.	0.3	2
606	Daily intake of Lactobacillus gasseri CP2305 ameliorates psychological premenstrual symptoms in young women: A randomized, double-blinded, placebo-controlled study. Journal of Functional Foods, 2021, 80, 104426.	1.6	5
607	Assessment of the gut bacterial microbiome and metabolome of girls and women with Rett Syndrome. PLoS ONE, 2021, 16, e0251231.	1.1	11
608	Comprehensive Bibliometric Analysis of the Kynurenine Pathway in Mood Disorders: Focus on Gut Microbiota Research. Frontiers in Pharmacology, 2021, 12, 687757.	1.6	27
609	Neuro-Signals from Gut Microbiota: Perspectives for Brain Glioma. Cancers, 2021, 13, 2810.	1.7	14
610	Model Selection Reveals the Butyrate-Producing Gut Bacterium Coprococcus eutactus as Predictor for Language Development in 3-Year-Old Rural Ugandan Children. Frontiers in Microbiology, 2021, 12, 681485.	1.5	11

#	Article	IF	Citations
611	Probiotics, Prebiotics, and Synbiotics: Implications and Beneficial Effects against Irritable Bowel Syndrome. Nutrients, 2021, 13, 2112.	1.7	80
612	Unhealthy Lifestyle and Gut Dysbiosis: A Better Understanding of the Effects of Poor Diet and Nicotine on the Intestinal Microbiome. Frontiers in Endocrinology, 2021, 12, 667066.	1.5	82
613	Multiple functions of flagellar motility and chemotaxis in bacterial physiology. FEMS Microbiology Reviews, 2021, 45, .	3.9	122
614	How stress, discrimination, acculturation and the gut microbiome affect depression, anxiety and sleep among Chinese and Korean immigrants in the USA: a cross-sectional pilot study protocol. BMJ Open, 2021, 11, e047281.	0.8	9
615	Human Intestinal Microbiome and the Immune System: The Role of Probiotics in Shaping an Immune System Unsusceptible to COVID-19 Infection. Biology Bulletin Reviews, 2021, 11, 329-343.	0.3	5
616	Parkinsonâ€™s Disease: A Prionopathy?. International Journal of Molecular Sciences, 2021, 22, 8022.	1.8	12
617	Bacteroides uniformis CECT 7771 Modulates the Brain Reward Response to Reduce Binge Eating and Anxiety-Like Behavior in Rat. Molecular Neurobiology, 2021, 58, 4959-4979.	1.9	20
618	Microbiota Gutâ€“Brain Axis in Ischemic Stroke: A Narrative Review with a Focus about the Relationship with Inflammatory Bowel Disease. Life, 2021, 11, 715.	1.1	13
620	Visceral sensitivity modulation by faecal microbiota transplantation: the active role of gut bacteria in pain persistence. Pain, 2022, 163, 861-877.	2.0	17
621	Neuropathy in COVID-19 associated with dysbiosis-related inflammation. Turkish Journal of Biology, 2021, 45, 390-403.	2.1	6
622	Immune-microbiome interplay and its implications in neurodegenerative disorders. Metabolic Brain Disease, 2022, 37, 17-37.	1.4	5
623	Chemotherapy-Induced Intestinal Microbiota Dysbiosis Impairs Mucosal Homeostasis by Modulating Toll-like Receptor Signaling Pathways. International Journal of Molecular Sciences, 2021, 22, 9474.	1.8	38
624	Helicobacter pylori Infection and Extragastric Diseasesâ€”A Focus on the Central Nervous System. Cells, 2021, 10, 2191.	1.8	30
625	Effects of polyethylene microplastics on the microbiome and metabolism in larval zebrafish. Environmental Pollution, 2021, 282, 117039.	3.7	87
627	Stress and the Role of the Gutâ€“Brain Axis in the Pathogenesis of Schizophrenia: A Literature Review. International Journal of Molecular Sciences, 2021, 22, 9747.	1.8	11
629	The gut, its microbiome, and the brain: connections and communications. Journal of Clinical Investigation, 2021, 131, .	3.9	59
630	HPA Axis in the Pathomechanism of Depression and Schizophrenia: New Therapeutic Strategies Based on Its Participation. Brain Sciences, 2021, 11, 1298.	1.1	96
631	Is there an association between necrotizing enterocolitis in premature neonates and functional gastrointestinal disorders later in childhood?. Neurogastroenterology and Motility, 2021, , e14222.	1.6	0

#	Article	IF	Citations
632	Nuclear and Mitochondrial Genome, Epigenome and Gut Microbiome: Emerging Molecular Biomarkers for Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2021, 22, 9839.	1.8	7
633	Hypoosmotic stress induced functional alternations of intestinal barrier integrity, inflammatory reactions, and neurotransmission along gut-brain axis in the yellowfin seabream (Acanthopagrus) Tj ETQq1 1 0.784314 rgBT /Overlock	3.1	
634	Differential perturbations of gut microbial profiles and coâ€•occurrence networks among phases of methamphetamineâ€•induced conditioned place preference. Journal of Neuroscience Research, 2021, 99, 2860-2873.	1.3	9
635	Construction of a sustainable 3-hydroxybutyrate-producing probiotic Escherichia coli for treatment of colitis. Cellular and Molecular Immunology, 2021, 18, 2344-2357.	4.8	56
636	Altering the gut microbiome to potentially modulate behavioral manifestations in autism spectrum disorders: A systematic review. Neuroscience and Biobehavioral Reviews, 2021, 128, 549-557.	2.9	32
637	The maternal gut microbiome during pregnancy and offspring allergy and asthma. Journal of Allergy and Clinical Immunology, 2021, 148, 669-678.	1.5	55
638	Interactions between the microbiota and enteric nervous system during gut-brain disorders. Neuropharmacology, 2021, 197, 108721.	2.0	27
639	Coccidia-Microbiota Interactions and Their Effects on the Host. Frontiers in Cellular and Infection Microbiology, 2021, 11, 751481.	1.8	22
640	Kefir ameliorates specific microbiota-gut-brain axis impairments in a mouse model relevant to autism spectrum disorder. Brain, Behavior, and Immunity, 2021, 97, 119-134.	2.0	19
641	The immunological influence of physical exercise on TBI-induced pathophysiology: Crosstalk between the spleen, gut, and brain. Neuroscience and Biobehavioral Reviews, 2021, 130, 15-30.	2.9	11
642	Probiotic intervention mitigates the metabolic disturbances of perfluorobutanesulfonate along the gut-liver axis of zebrafish. Chemosphere, 2021, 284, 131374.	4.2	30
643	The gut microbiome: implications for neurogenesis and neurological diseases. Neural Regeneration Research, 2022, 17, 53.	1.6	14
644	Contribution of neuroinflammation, resolution, and neuroprotection in neurotraumatic diseases. , 2022, , 83-119.		0
645	Nutrition and cognition across the lifetime: an overview on epigenetic mechanisms. AIMS Neuroscience, 2021, 8, 448-476.	1.0	13
646	Nutritional Support of Neurodevelopment and Cognitive Function in Infants and Young Childrenâ€”An Update and Novel Insights. Nutrients, 2021, 13, 199.	1.7	40
647	Gut Microbiota Dysbiosis and COVID-19: Possible Links. , 2022, , 535-544.		5
648	Alleviation of Anxiety/Depressive-Like Behaviors and Improvement of Cognitive Functions by Lactobacillus plantarum WLPL04 in Chronically Stressed Mice. Canadian Journal of Infectious Diseases and Medical Microbiology, 2021, 2021, 1-11.	0.7	16
651	Microbiomeâ€“Gutâ€“Brain Axis. , 2013, , 1-14.		1

#	Article	IF	Citations
652	Autism and Gutâ€“Brain Axis: Role of Probiotics. Advances in Neurobiology, 2020, 24, 587-600.	1.3	16
653	Gut Microbiota and Neurologic Diseases and Injuries. Advances in Experimental Medicine and Biology, 2020, 1238, 73-91.	0.8	22
654	Dysbiosis of Gut Fungal Microbiota in Children with Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2021, 51, 267-275.	1.7	33
655	Dual real-time inÂvivo monitoring system of the brain-gut axis. Biochemical and Biophysical Research Communications, 2020, 524, 340-345.	1.0	5
657	Tulsa 1000: a naturalistic study protocol for multilevel assessment and outcome prediction in a large psychiatric sample. BMJ Open, 2018, 8, e016620.	0.8	88
658	Gender Differences in Stress- and Burnout-Related Factors of University Professors. BioMed Research International, 2020, 2020, 1-9.	0.9	26
659	Gastrointestinal motility disorders in patients with anorexia nervosa â€“ a review of the literature. Psychiatria Polska, 2015, 49, 721-729.	0.2	8
660	Microbiota-gut-brain axis and its affect inflammatory bowel disease: Pathophysiological concepts and insights for clinicians. World Journal of Clinical Cases, 2020, 8, 1013-1025.	0.3	36
661	Agent Based Modeling of Human Gut Microbiome Interactions and Perturbations. PLoS ONE, 2016, 11, e0148386.	1.1	41
662	Stool consistency is significantly associated with pain perception. PLoS ONE, 2017, 12, e0182859.	1.1	8
663	Fecal microbiota in the female prairie vole (Microtus ochrogaster). PLoS ONE, 2018, 13, e0190648.	1.1	10
664	The Interactome Hypothesis of Depression. NeuroQuantology, 2010, 8, .	0.1	12
665	Microbiota-immune interactions: from gut to brain. LymphoSign Journal, 2020, 7, 1-23.	0.1	24
666	Gut Microbiome-Brain Communications Regulate Host Physiology and Behavior. Journal of Nutritional Health & Food Science, 2015, 3, .	0.3	3
667	Healthy Gut, Healthy Brain: The Gut Microbiome in Neurodegenerative Disorders. Current Topics in Medicinal Chemistry, 2020, 20, 1142-1153.	1.0	28
668	Impact of Dietary Fats on Brain Functions. Current Neuropharmacology, 2018, 16, 1059-1085.	1.4	95
669	Gut Emotions - Mechanisms of Action of Probiotics as Novel Therapeutic Targets for Depression and Anxiety Disorders. CNS and Neurological Disorders - Drug Targets, 2015, 13, 1770-1786.	0.8	52
670	Ä°nsan Mikrobiyomu: Beslenme ve SaÄŸlÄ±k Ãœzerindeki Etkileri. Akademik GÄ±da, 0, , 409-415.	0.5	6

#	Article	IF	Citations
671	The Role of Short-Chain Fatty Acids From Gut Microbiota in Gut-Brain Communication. Frontiers in Endocrinology, 2020, 11, 25.	1.5	1,235
672	The microbiota-gut-brain axis: neurobehavioral correlates, health and sociality. Frontiers in Integrative Neuroscience, 2013, 7, 70.	1.0	274
673	The Brainâ€“Gutâ€“Microbiome Axis in Psychiatry. International Journal of Molecular Sciences, 2020, 21, 7122.	1.8	28
674	Gut-Induced Inflammation during Development May Compromise the Blood-Brain Barrier and Predispose to Autism Spectrum Disorder. Journal of Clinical Medicine, 2021, 10, 27.	1.0	26
675	Brain changes detected by functional magnetic resonance imaging and spectroscopy in patients with Crohn's disease. World Journal of Gastroenterology, 2017, 23, 3607.	1.4	10
676	Toward precision medicine in Parkinson's disease. Annals of Translational Medicine, 2016, 4, 26.	0.7	18
677	The Gut Microbiome and Pre-systemic Metabolism: Current State and Evolving Research. Journal of Drug Metabolism & Toxicology, 2010, 01, .	0.1	24
679	Can Intestinal Constipation Be Modulated by Prebiotics, Probiotics and Symbiotics?. Food and Nutrition Sciences (Print), 2014, 05, 1106-1113.	0.2	4
680	Role of fumaric acid in anti-inflammatory and analgesic activities of a Fumaria indica extracts. Journal of Intercultural Ethnopharmacology, 2014, 3, 173.	0.9	30
681	Usage of Probiotics and its Clinical Significance at Surgically Treated Patients Sufferig from Colorectal Carcinoma. Medicinski Arhiv = Medical Archives = Archives De MÃ©decine, 2019, 73, 316.	0.4	45
682	Potential of some traditionally used edible plants for prevention and cure of diabesity associated comorbidities. Tang [humanitas Medicine], 2015, 5, 8.1-8.22.	0.2	4
683	A clinical primer of the role of gut microbiome in health and disease. Tropical Gastroenterology: Official Journal of the Digestive Diseases Foundation, 2015, 36, 1-13.	0.0	9
684	Nutritional Neuroscience as Mainstream of Psychiatry: The Evidence- Based Treatment Guidelines for Using Omega-3 Fatty Acids as a New Treatment for Psychiatric Disorders in Children and Adolescents. Clinical Psychopharmacology and Neuroscience, 2020, 18, 469-483.	0.9	33
685	Research Progress on the Relationship between Intestinal Flora, Immune System and Glioma. Advances in Clinical Medicine, 2021, 11, 4357-4364.	0.0	0
686	Enterochromaffin Cells: Sentinels to Gut Microbiota in Hyperalgesia?. Frontiers in Cellular and Infection Microbiology, 2021, 11, 760076.	1.8	17
687	Gut and Brain: Investigating Physiological and Pathological Interactions Between Microbiota and Brain to Gain New Therapeutic Avenues for Brain Diseases. Frontiers in Neuroscience, 2021, 15, 753915.	1.4	18
688	Study protocol on the safety and feasibility of a normocaloric ketogenic diet in people with amyotrophic lateral sclerosis. Nutrition, 2022, 94, 111525.	1.1	7
689	Microbiomics in Collusion with the Nervous System in Carcinogenesis: Diagnosis, Pathogenesis and Treatment. Microorganisms, 2021, 9, 2129.	1.6	3

#	Article	IF	Citations
690	Role of microRNAs in Disorders of Gutâ€“Brain Interactions: Clinical Insights and Therapeutic Alternatives. Journal of Personalized Medicine, 2021, 11, 1021.	1.1	12
691	BMI, Alcohol Consumption and Gut Microbiome Species Richness Are Related to Structural and Functional Neurological Abnormalities. Nutrients, 2021, 13, 3743.	1.7	2
692	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
693	The impact of the Th17:Treg axis on the IgA-Biome across the glycemic spectrum. PLoS ONE, 2021, 16, e0258812.	1.1	4
694	Microbiota-gut-brain axis and nutritional strategy under heat stress. Animal Nutrition, 2021, 7, 1329-1336.	2.1	15
695	Chronic Intestinal Inflammation Suppresses Brain Activity by Inducing Neuroinflammation in Mice. American Journal of Pathology, 2022, 192, 72-86.	1.9	10
696	Akkermansia muciniphila Protects Against Psychological Disorder-Induced Gut Microbiota-Mediated Colonic Mucosal Barrier Damage and Aggravation of Colitis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 723856.	1.8	34
698	Neuroimaging and Clinical Studies on Brainâ€“Immune Interactions. , 2013, , 95-132.		0
699	Efek Probiotik terhadap Mortalitas, Derajat Inflamasi Intestinal, dan Kadar IgA pada Mencit Model Sepsis. Majalah Kedokteran Bandung, 2013, 45, 10-15.	0.2	0
700	The Future of Prebiotics and Probiotics. , 2013, , 464-493.		0
702	Etiology and Mechanisms of Chronic Abdominal Pain. , 2015, , 1-11.		0
703	Commensal Bugs from the Gut-Shaping Human Health and Disease. Journal of Investigative Genomics, 2014, 1, .	0.2	0
704	Microbiomeâ€“Gutâ€“Brain Axis. , 2015, , 425-437.		0
705	History of neurofeedback. , 2015, , 48-75.		0
706	Probiotics in Functional Gastrointestinal Disorders in Children: Therapy and Prevention. , 2015, , 643-650.		0
707	Probiotic Lactobacillus Strains. The Future Biological Missiles to Treat Autism Spectrum Disorder: A Short Communication. Current Nutrition and Food Science, 2017, 13, 3-5.	0.3	1
708	Obesity and the Microbiome - A Surgeon's Perspective. Advances in Obesity Weight Management & Control, 2017, 7, .	0.4	0
710	Gluten Intolerance as Potential Target for Managing Autism Spectrum Disorders: Towards Innovative Dietary Approaches. Novel Techniques in Nutrition & Food Science, 2019, 3, .	0.1	1

#	Article	IF	Citations
711	Ipnosi e medicina psicosomatica: responsivitÃ del cervello intestinale all'ipnoterapia. Ipnosi, 2019, , 19-40.	0.1	0
712	The microbiome and incurable diseases: discussion review. Journal of Microbiology & Experimentation, 2019, 7, .	0.1	0
713	Pathogenetic Substantiation of the Therapeutic Impact on Microbiota in Irritable Bowel Syndrome. Russian Journal of Gastroenterology Hepatology Coloproctology, 2019, 29, 7-14.	0.2	1
714	Microbiota e neurosviluppo. Pnei Review, 2019, , 92-102.	0.1	0
715	Effect of gut microbes on olfactory behavior of Drosophila melanogaster larva. Bios, 2019, 90, 227.	0.0	7
716	Microbiota and Parkinson's disease (overview). Medical Alphabet, 2020, , 10-14.	0.0	0
717	Underlying mechanisms for intestinal diseases arising from stress. World Chinese Journal of Digestology, 2020, 28, 617-627.	0.0	0
718	Chiropractic Therapy Modulated Gut Microbiota and Attenuated Allergic Airway Inflammation in an Immature Rat Model. Medical Science Monitor, 2020, 26, e926039.	0.5	6
719	Associations Between the Gut Microbiota and Internalizing Behaviors in Preschool Children. Psychosomatic Medicine, 2022, 84, 159-169.	1.3	9
720	Metabolic Profiling in Bipolar Disorder Patients During Depressive Episodes. Frontiers in Psychiatry, 2020, 11, 569612.	1.3	11
721	Gut Microbiota and Extraintestinal Disorders: Are They Interrelated?. Bengal Physician Journal, 2021, 7, 8-11.	0.1	0
722	The gut-brain axis: interactions between enteric microbiota, central and enteric nervous systems. Annals of Gastroenterology, 2015, 28, 203-209.	0.4	1,000
723	Integrative Therapies in Anxiety Treatment with Special Emphasis on the Gut Microbiome. Yale Journal of Biology and Medicine, 2016, 89, 397-422.	0.2	30
724	Characteristics of intestinal microflora involved insacral nerve stimulation affecting visceral hypersensitivity. International Journal of Clinical and Experimental Pathology, 2019, 12, 2786-2792.	0.5	0
725	Aberrant Gut-To-Brain Signaling in Irritable Bowel Syndrome - The Role of Bile Acids. Frontiers in Endocrinology, 2021, 12, 745190.	1.5	13
726	Correlation between Gut Microbiota and Six Facets of Neuroticism in Korean Adults. Journal of Personalized Medicine, 2021, 11, 1246.	1.1	9
727	Microbiota links to neural dynamics supporting threat processing. Human Brain Mapping, 2022, 43, 733-749.	1.9	12
728	Tibetan Medicine Qishiwei Zhenzhu Pills Can Reduce Cerebral Ischemia-Reperfusion Injury by Regulating Gut Microbiota and Inhibiting Inflammation. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-13.	0.5	11

#	Article	IF	Citations
729	Probiotics for Mental Health: A Review of Recent Clinical Trials. American Journal of Lifestyle Medicine, 2022, 16, 155982762110491.	0.8	1
730	Effect of chronic restraint stress and westernâ€diet feeding on colonic regulatory gene expression in mice. Neurogastroenterology and Motility, 2021, , e14300.	1.6	2
731	The meiofauna as neglected carriers of antibiotic resistant and pathogenic bacteria in freshwater ecosystems. Journal of Limnology, 2021, 80, .	0.3	1
733	Brain Volume Loss, Astrocyte Reduction, and Inflammation in Anorexia Nervosa. Advances in Neurobiology, 2021, 26, 283-313.	1.3	4
735	Gastrointestinal Inflammation and the Gut Microbiome: An Evolving Conceptual Framework with Implications for Diagnosis and Therapy in Inflammatory Bowel Disorders. EMJ Microbiology & Infectious Diseases, 0, , 42-50.	0.0	1
736	Metabolic and Neural Mechanisms Underlying the Associations Between Gut Bacteroides and Cognition: A Large-Scale Functional Network Connectivity Study. Frontiers in Neuroscience, 2021, 15, 750704.	1.4	6
737	Oral-Gut-Brain Axis in Experimental Models of Periodontitis: Associating Gut Dysbiosis With Neurodegenerative Diseases. Frontiers in Aging, 2021, 2, .	1.2	21
738	Current Treatment Options and Therapeutic Insights for Gastrointestinal Dysmotility and Functional Gastrointestinal Disorders. Frontiers in Pharmacology, 2022, 13, 808195.	1.6	32
739	Impairment of the Gut Health in Danio Rerio Exposed to Triclocarban. SSRN Electronic Journal, 0, , .	0.4	0
740	Prevalence of Constipation in Elderly and Its Association With Dementia and Mild Cognitive Impairment: A Cross-Sectional Study. Frontiers in Neuroscience, 2021, 15, 821654.	1.4	10
741			

#	Article	IF	Citations
751	Gut Microbiota Regulates the Sympathetic Nerve Activity and Peripheral Serotonin Through Hypothalamic MicroRNA-204 in Order to Increase the Browning of White Adipose Tissue in Obesity. Cureus, 2022, 14, e21913.	0.2	0
752	Homeostatic regulation of neuronal excitability by probiotics in male germâ€free mice. Journal of Neuroscience Research, 2022, 100, 444-460.	1.3	2
753	Analysis methods for the gut microbiome in neuropsychiatric and neurodegenerative disorders. Computational and Structural Biotechnology Journal, 2022, 20, 1097-1110.	1.9	5
754	Neurological complications of systemic cancer and antineoplastic therapy. , 2022, , 479-500.		0
755	Diabetic autonomic neuropathy, measurement and management; part II: management. , 2022, , 313-335.		0
756	Role of Microbiota-Gut-Brain Axis in Regulating Dopaminergic Signaling. Biomedicines, 2022, 10, 436.	1.4	71
757	Gut microbiome in neuropsychiatric disorders. Arquivos De Neuro-Psiquiatria, 2022, 80, 192-207.	0.3	3
758	Infection with intestinal helminth (Hymenolepis diminuta) impacts exploratory behavior and cognitive processes in rats by changing the central level of neurotransmitters. PLoS Pathogens, 2022, 18, e1010330.	2.1	9
759	Natural Phytochemicals for the Treatment of Major Depressive Disorder: A Mini-Review of Pre- and Clinical Studies. CNS and Neurological Disorders - Drug Targets, 2023, 22, 237-254.	0.8	1
760	The Therapeutic Role of Exercise and Probiotics in Stressful Brain Conditions. International Journal of Molecular Sciences, 2022, 23, 3610.	1.8	8
761	Changes to gut amino acid transporters and microbiome associated with increased E/I ratio in Chd8+/â^' mouse model of ASD-like behavior. Nature Communications, 2022, 13, 1151.	5.8	35
762	Human milk: From complex tailored nutrition to bioactive impact on child cognition and behavior. Critical Reviews in Food Science and Nutrition, 2023, 63, 7945-7982.	5.4	17
763	The Influence of Gut Dysbiosis in the Pathogenesis and Management of Ischemic Stroke. Cells, 2022, 11, 1239.	1.8	55
764	Organoid technologies for the study of intestinal microbiotaâ€“host interactions. Trends in Molecular Medicine, 2022, 28, 290-303.	3.5	20
765	Impairment of the gut health in Danio rerio exposed to triclocarban. Science of the Total Environment, 2022, 832, 155025.	3.9	11
766	An anxious relationship between Autism Spectrum Disorder and Gut Microbiota: A tangled chemistry?. Journal of Clinical Neuroscience, 2022, 99, 169-189.	0.8	10
767	Brain-gut-microbiota axis in Parkinsonâ€™s disease: A historical review and future perspective. Brain Research Bulletin, 2022, 183, 84-93.	1.4	17
768	Clinical therapeutic effects of probiotics in patients with constipation associated with Parkinson disease. Medicine (United States), 2021, 100, e27705.	0.4	2

#	Article	IF	Citations
769	Treating autism spectrum disorder by intervening with gut microbiota. Journal of Medical Microbiology, 2021, 70, .	0.7	5
770	Neuropsychiatric symptoms associated with the COVID-19 and its potential nervous system infection mechanism: the role of imaging in the study. Psychoradiology, 2021, 1, 199-211.	1.0	3
771	Coâ€•occurrence of gut microbiota dysbiosis and bile acid metabolism alteration is associated with psychological disorders in Crohn's disease. FASEB Journal, 2022, 36, e22100.	0.2	22
772	The Link between Gut Dysbiosis Caused by a High-Fat Diet and Hearing Loss. International Journal of Molecular Sciences, 2021, 22, 13177.	1.8	16
773	Cognitive Function Associated with Gut Microbial Abundance in Sucrose and S-Adenosyl-L-Methionine (SAMe) Metabolic Pathways. Journal of Alzheimer's Disease, 2022, 87, 1115-1130.	1.2	14
774	The Fungal Gut Microbiome Exhibits Reduced Diversity and Increased Relative Abundance of Ascomycota in Severe COVID-19 Illness and Distinct Interconnected Communities in SARS-CoV-2 Positive Patients. Frontiers in Cellular and Infection Microbiology, 2022, 12, 848650.	1.8	9
775	Role of the duodenal microbiota in functional dyspepsia. Neurogastroenterology and Motility, 2022, 34, e14372.	1.6	10
776	Prebiotics and probiotics for autism spectrum disorder: a systematic review and meta-analysis of controlled clinical trials. Journal of Medical Microbiology, 2022, 71, .	0.7	15
798	Antibiotics, gut microbiota, and irritable bowel syndrome: What are the relations?. World Journal of Gastroenterology, 2022, 28, 1204-1219.	1.4	21
799	Bacterial Amyloid Curli Associated Gut Epithelial Neuroendocrine Activation Predominantly Observed in Alzheimerâ€™s Disease Mice with Central Amyloid-Î² Pathology. Journal of Alzheimer's Disease, 2022, 88, 191-205.	1.2	7
800	Polystyrene Nanoplastics Toxicity to Zebrafish: Dysregulation of the Brainâ€“Intestineâ€“Microbiota Axis. ACS Nano, 2022, 16, 8190-8204.	7.3	72
801	Effect of Radix Polygalae extract on the colonic dysfunction in rats induced by chronic restraint stress. Journal of Ethnopharmacology, 2022, 294, 115349.	2.0	6
802	Linking traumatic brain injury and nosocomial infections. , 2022, , 111-121.		0
803	Gastrointestinal distress, State and Trait anxiety, and dietary intake among college students during the COVID-19 pandemic. Journal of American College Health, 0, , 1-8.	0.8	0
804	Not just a Snapshot: An Italian Longitudinal Evaluation of Stability of Gut Microbiota Findings in Parkinsonâ€™s Disease. Brain Sciences, 2022, 12, 739.	1.1	6
806	Gastrointestinal Changes and Alzheimer's Disease. Current Alzheimer Research, 2022, 19, 335-350.	0.7	3
807	Gut-Brain Axis, Neurodegenerative Diseases and Effects of Microbiota. Ä°zÃ¼fbed Ä°stanbul Sabahattin Zaim Ãœniversitesi Fen Bilimleri EnstitÃ¼sÃ¼ Dergisi, 0, , .	0.6	0
808	Effects of different probiotic strains B. lactis, L. rhamnosus and L. reuteri on brain-intestinal axis immunomodulation in an endotoxin-induced inflammation. Molecular Neurobiology, 2022, 59, 5168-5178.	1.9	4

#	Article	IF	Citations
809	Integrating the Gut Microbiome and Stress-Diathesis to Explore Post-Trauma Recovery: An Updated Model. Pathogens, 2022, 11, 716.	1.2	2
810	Where Do We Stand in the Behavioral Pathogenesis of Inflammatory Bowel Disease? The Western Dietary Pattern and Microbiotaâ€"A Narrative Review. Nutrients, 2022, 14, 2520.	1.7	8
811	Impact of Intestinal Microbiota on Cognitive Flexibility by a Novel Touch Screen Operant System Task in Mice. Frontiers in Neuroscience, 0, 16, .	1.4	4
812	Fecal Microbiota Transplantation as New Therapeutic Avenue for Human Diseases. Journal of Clinical Medicine, 2022, 11, 4119.	1.0	28
813	Hydrogen Sulfide Increases the Analgesic Effects of Âμ- and Î´-Opioid Receptors during Neuropathic Pain: Pathways Implicated. Antioxidants, 2022, 11, 1321.	2.2	7
814	Synbiotic Effects of Fermented Rice on Human Health and Wellness: A Natural Beverage That Boosts Immunity. Frontiers in Microbiology, 0, 13, .	1.5	13
815	Zi Shen Wan Fang Attenuates Neuroinflammation and Cognitive Function Via Remodeling the Gut Microbiota in Diabetes-Induced Cognitive Impairment Mice. Frontiers in Pharmacology, 0, 13, .	1.6	3
816	Antibiotics and mental health: The good, the bad and the ugly. Journal of Internal Medicine, 2022, 292, 858-869.	2.7	25
817	Effect of Oral Administration of Lactiplantibacillus plantarum SNK12 on Temporary Stress in Adults: A Randomized, Placebo-Controlled, Double-Blind, Parallel-Group Study. International Journal of Environmental Research and Public Health, 2022, 19, 8936.	1.2	5
818	Microbiota in anorexia nervosa: potential for treatment. Nutrition Research Reviews, 2023, 36, 372-391.	2.1	4
819	Lactobacillus Spp.-Enhanced Memory is Strain-Dependent and Associated, in Part, with Amyloidogenic and anti-Oxidant/Oxidative Stress Interplay in Amyloid Beta Precursor Protein Transgenic Mice. Journal of Dietary Supplements, 0, , 1-18.	1.4	0
820	Association of periodontitis and oral microbiomes with Alzheimerâ€™s disease: A narrative systematic review. Journal of Dental Sciences, 2022, 17, 1762-1779.	1.2	9
821	Unveiling the gut-brain axis: structural and functional analogies between the gut and the choroid plexus vascular and immune barriers. Seminars in Immunopathology, 2022, 44, 869-882.	2.8	15
822	Overnutrition Induced Cognitive Impairment: Insulin Resistance, Gut-Brain Axis, and Neuroinflammation. Frontiers in Neuroscience, 0, 16, .	1.4	12
823	Impact of Environmental Pollutants on Gut Microbiome and Mental Health via the Gutâ€"Brain Axis. Microorganisms, 2022, 10, 1457.	1.6	29
824	Role of the Gutâ€"Brain Axis, Gut Microbial Composition, Diet, and Probiotic Intervention in Parkinsonâ€™s Disease. Microorganisms, 2022, 10, 1544.	1.6	15
825	A meta-analysis of the association betweenHelicobacter pyloriinfection and risk of hepatic encephalopathy. Journal of Public Health, 2023, 45, 321-329.	1.0	1
826	Lower serum levels of IL-1Î² and IL-6 cytokines in adolescents with anorexia nervosa and their association with gut microbiota in a longitudinal study. Frontiers in Psychiatry, 0, 13, .	1.3	10

#	Article	IF	Citations
827	Current understanding of the human microbiome in glioma. Frontiers in Oncology, 0, 12, .	1.3	5
829	The role and molecular mechanism of gut microbiota in Gravesâ€™ orbitopathy. Journal of Endocrinological Investigation, 2023, 46, 305-317.	1.8	5
830	Methodology Considerations in Studying Mental Health, Sleep Quality, and Biopsychosocial Determinants Among Chinese and Korean Americans During the COVID-19 Pandemic. Asian Pacific Island Nursing Journal, 2022, 6, e39760.	0.3	2
831	A gutâ€centric view of aging: Do intestinal epithelial cells contribute to ageâ€associated microbiota changes, inflammaging, and immunosenescence?. Aging Cell, 2022, 21, .	3.0	15
832	The microbiotaâ€“gutâ€“brain axis and its modulation in the therapy of depression: Comparison of efficacy of conventional drugs and traditional Chinese medicine approaches. Pharmacological Research, 2022, 183, 106372.	3.1	12
833	Immune signaling as a node of interaction between systems that sex-specifically develop during puberty and adolescence. Developmental Cognitive Neuroscience, 2022, 57, 101143.	1.9	8
834	From brain-body function to conscious interactions. Neuroscience and Biobehavioral Reviews, 2022, 141, 104833.	2.9	2
835	The effect of fecal microbiota transplantation on stroke outcomes: A systematic review. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106727.	0.7	2
836	Gutâ€“brain communication: a novel application of probiotics. , 2022, , 405-416.		0
837	Impact of the gut microbiome on human health and diseases. , 2022, , 25-40.		0
838	Influence of gut microbial flora in bodyâ€™s serotonin turnover and associated diseases. , 2022, , 245-264.		0
839	Role of Gut Microbiota through Gutâ€“Brain Axis in Epileptogenesis: A Systematic Review of Human and Veterinary Medicine. Biology, 2022, 11, 1290.	1.3	2
840	Effect of altered gut microbiota on visceral hypersensitivity of postinfectious irritable bowel syndrome mice. European Journal of Gastroenterology and Hepatology, 0, Publish Ahead of Print, .	0.8	0
841	Probiotics for Otolaryngologic Disorders. Otolaryngologic Clinics of North America, 2022, 55, 939-946.	0.5	2
842	Gastrointestinal Microbiome and Multiple Health Outcomes: Umbrella Review. Nutrients, 2022, 14, 3726.	1.7	10
843	Clostridioides difficile and neurological disorders: New perspectives. Frontiers in Neuroscience, 0, 16, .	1.4	3
844	Functional Constipation is Associated with a Decline in Word Recognition 2 Years Later in Community-Dwelling Older Adults: The Korean Frailty and Aging Cohort Study. Annals of Geriatric Medicine and Research, 2022, 26, 241-247.	0.7	1
845	Variation in Gut Microbiota Composition is Associated with Sleep Quality and Cognitive Performance in Older Adults with Insomnia. Nature and Science of Sleep, 0, Volume 14, 1753-1767.	1.4	5

#	Article	IF	Citations
846	Microbiota- Brain-Gut-Axis Relevance to Parkinsonâ€™s Disease: Potential Therapeutic Effects of Probiotics. Current Pharmaceutical Design, 2022, 28, 3049-3067.	0.9	3
847	The clinical evidence for postbiotics as microbial therapeutics. Gut Microbes, 2022, 14, .	4.3	23
848	Repeated psychological stress, chronic vicarious social defeat stress, evokes irritable bowel syndrome-like symptoms in mice. Frontiers in Neuroscience, 0, 16, .	1.4	4
849	The cloacal microbiome of a cavity-nesting raptor, the lesser kestrel (Falco naumanni). PeerJ, 0, 10, e13927.	0.9	2
850	Uncovering the core principles of the gut-lung axis to enhance innate immunity in the chicken. Frontiers in Immunology, 0, 13, .	2.2	2
852	Modulation of microbiome diversity and cytokine expression is influenced in a sex-dependent manner during aging. , 0, 1, .		3
853	Gut microbiome and neurosurgery: Implications for treatment. Clinical and Translational Discovery, 2022, 2, .	0.2	3
854	Recent developments in the probiotics as live biotherapeutic products (LBPs) as modulators of gut brain axis related neurological conditions. Journal of Translational Medicine, 2022, 20, .	1.8	26
855	Gut microbiota in anxiety and depression: Pathogenesis and therapeutics. , 0, 1, .		1
856	The Role of Short Chain Fatty Acids in Irritable Bowel Syndrome. Journal of Neurogastroenterology and Motility, 2022, 28, 540-548.	0.8	11
857	Linking Puberty and the Gut Microbiome to the Pathogenesis of Neurodegenerative Disorders. Microorganisms, 2022, 10, 2163.	1.6	4
858	The Interaction of Gut Microbiota-brain Axis in Relation to Human Health with the Use of Animal Models. , 0, , .		0
859	Alterations in gut microbiota are related to metabolite profiles in spinal cord injury. Neural Regeneration Research, 2023, 18, 1076.	1.6	16
860	A genetic association study reveals the relationship between the oral microbiome and anxiety and depression symptoms. Frontiers in Psychiatry, 0, 13, .	1.3	4
861	Impact of intestinal dysbiosis on breast cancer metastasis and progression. Frontiers in Oncology, 0, 12, .	1.3	3
862	Cognitive dysfunction and neurometabolic alternations in major depressive disorder with gastrointestinal symptoms. Journal of Affective Disorders, 2022, , .	2.0	1
863	Dysbiosis of Gut Microbiota from the Perspective of the Gutâ€“Brain Axis: Role in the Provocation of Neurological Disorders. Metabolites, 2022, 12, 1064.	1.3	21
864	Progress on traditional Chinese medicine in treatment of ischemic stroke via the gut-brain axis. Biomedicine and Pharmacotherapy, 2023, 157, 114056.	2.5	2

#	Article	IF	Citations
865	Antibiotic use and the development of depression: A systematic review. Journal of Psychosomatic Research, 2023, 164, 111113.	1.2	6
866	The effect of microbiome composition on impulsive and violent behavior: A systematic review. Behavioural Brain Research, 2023, 440, 114266.	1.2	1
867	Impact of broad-spectrum antibiotics on the gutâ€“microbiotaâ€“spleenâ€“brain axis. Brain, Behavior, & Immunity - Health, 2023, 27, 100573.	1.3	6
868	A new insight on feasibility of pre-, pro-, and synbiotics-based therapies in Alzheimerâ€™s disease. Journal of Reports in Pharmaceutical Sciences, 2022, 11, 141.	0.5	1
869	Effects of early postnatal life nutritional interventions on immune-microbiome interactions in the gastrointestinal tract and implications for brain development and function. Frontiers in Microbiology, 0, 13, .	1.5	1
870	Somatization is associated with altered serum levels of vitamin D, serotonin, and <scp>brainâ€derived</scp> neurotrophic factor in patients with predominant diarrhea irritable bowel syndrome. Neurogastroenterology and Motility, 2023, 35, .	1.6	1
871	Brain-gut-liver axis: Chronic psychological stress promotes liver injury and fibrosis via gut in rats. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	4
872	The enteric nervous system. Physiological Reviews, 2023, 103, 1487-1564.	13.1	48
873	Bile acids and microbes in metabolic disease. World Journal of Gastroenterology, 0, 28, 6846-6866.	1.4	3
874	Clinical Evidence on the Potential Beneficial Effects of Probiotics and Prebiotics in Cardiovascular Disease. International Journal of Molecular Sciences, 2022, 23, 15898.	1.8	7
875	Compound Danshen Dripping Pills moderate intestinal flora and the TLR4/MyD88/NF-ÎºB signaling pathway in alleviating cognitive dysfunction in type 2 diabetic KK-Ay mice. Phytomedicine, 2023, 111, 154656.	2.3	1
876	Immunity orchestrates a bridge in gut-brain axis of neurodegenerative diseases. Ageing Research Reviews, 2023, 85, 101857.	5.0	6
877	Combating the Sustained Inflammation Involved in Aging and Neurodegenerative Diseases with Probiotics. Healthy Ageing and Longevity, 2023, , 193-213.	0.2	0
878	Exploring the hub mechanisms of ischemic stroke based on protein-protein interaction networks related to ischemic stroke and inflammatory bowel disease. Scientific Reports, 2023, 13, .	1.6	4
879	Esophageal dysbiosis and pathogenesis of gastroesophageal reflux disease. , 2023, , 47-60.		0
880	Protective Effect of Anthocyanins against Neurodegenerative Diseases through the Microbial-Intestinal-Brain Axis: A Critical Review. Nutrients, 2023, 15, 496.	1.7	11
881	Maternal-Child Microbiome and Impact on Growth and Neurodevelopment in Infants and Children: A Scoping Review. Biological Research for Nursing, 0, , 109980042211511.	1.0	1
882	Probiotic Administration for the Prevention and Treatment of Gastrointestinal, Metabolic and Neurological Disorders. Advances in Predictive, Preventive and Personalised Medicine, 2023, , 219-250.	0.6	0

#	Article	IF	Citations
883	Curcumin and its Analogs and Carriers: Potential Therapeutic Strategies for Human Osteosarcoma. International Journal of Biological Sciences, 2023, 19, 1241-1265.	2.6	16
884	Gut microbiota in chronic pain: Novel insights into mechanisms and promising therapeutic strategies. International Immunopharmacology, 2023, 115, 109685.	1.7	12
885	Tryptophan-kynurenine metabolic characterization in the gut and brain of depressive-like rats induced by chronic restraint stress. Journal of Affective Disorders, 2023, 328, 273-286.	2.0	3
886	Microbiota-derived short-chain fatty acids and modulation of host-derived peptides formation: Focused on host defense peptides. Biomedicine and Pharmacotherapy, 2023, 162, 114586.	2.5	9
887	The microbiota-gut-brain axis in stress and depression. Frontiers in Neuroscience, 0, 17, .	1.4	6
888	Comprehensive Review on Potential Signaling Pathways Involving the Transfer of Î±-Synuclein from the Gut to the Brain That Leads to Parkinsonâ€™s Disease. ACS Chemical Neuroscience, 2023, 14, 590-602.	1.7	6
889	Gut microbiota of Parkinsonâ€™s disease in an appendectomy cohort: a preliminary study. Scientific Reports, 2023, 13, .	1.6	2
890	Diets. , 2023, , 291-306.		1
891	Causal Relationship between Physiological and Pathological Processes in the Brain and in the Gastrointestinal Tract: The Brainâ€“Intestine Axis. Biophysics (Russian Federation), 2022, 67, 972-986.	0.2	2
892	Role of the gut-brain axis in HIV and drug abuse-mediated neuroinflammation. Advances in Drug and Alcohol Research, 0, 3, .	2.5	2
893	Short-Chain Fatty Acids in the Microbiotaâ€“Gutâ€“Brain Axis: Role in Neurodegenerative Disorders and Viral Infections. ACS Chemical Neuroscience, 2023, 14, 1045-1062.	1.7	10
894	Intestinal crosstalk between bile acids and microbiota in irritable bowel syndrome. Journal of Gastroenterology and Hepatology (Australia), 2023, 38, 1072-1082.	1.4	2
895	Elderberry diet improves gut-brain axis dysfunction, neuroinflammation, and cognitive impairment in the rat model of irritable bowel syndrome. Metabolic Brain Disease, 2023, 38, 1555-1572.	1.4	3
896	Changes in Gut Microbiota and Multiple Sclerosis: A Systematic Review. International Journal of Environmental Research and Public Health, 2023, 20, 4624.	1.2	17
897	The Effect of a Diet Enriched with Jerusalem artichoke, Inulin, and Fluoxetine on Cognitive Functions, Neurogenesis, and the Composition of the Intestinal Microbiota in Mice. Current Issues in Molecular Biology, 2023, 45, 2561-2579.	1.0	2
898	Oral Microbiome, Mental Health, and Sleep Outcomes During the COVID-19 Pandemic: An Observational Study in Chinese and Korean American Immigrants. OMICS A Journal of Integrative Biology, 2023, 27, 180-190.	1.0	1
899	Viral Gastroenteritis: Sickness Symptoms and Behavioral Responses. MBio, 0, , .	1.8	3
902	Gut microbiota, a hidden protagonist of traditional Chinese medicine for acute ischemic stroke. Frontiers in Pharmacology, 0, 14, .	1.6	1

#	Article	IF	Citations
903	Saliva: a challenging human fluid to diagnose brain disorders with a focus on Alzheimerâ€™s disease. Neural Regeneration Research, 2023, 18, 2606-2610.	1.6	2
904	Interaction of Intestinal Microbiota with Medications. Current Drug Metabolism, 2023, 24, .	0.7	0
905	Progesterone: A Neuroprotective Steroid of the Intestine. Cells, 2023, 12, 1206.	1.8	2
925	Prebiotics and probiotics and Parkinson's disease. , 2023, , 641-673.		0
929	Modification of the Bacterial Metabolites by the Host after Absorption, and Consequences for the Peripheral Tissuesâ€™ Metabolism, Physiology, and Physiopathology. , 2023, , 189-246.		0
943	Phytochemicals for neurodegeneration and neuroinflammation: medicine of the future or a mirage?. , 2023, , 343-366.		0
956	Probiotics, Prebiotics, and Synbiotics on Constipation in Children with Cerebral Palsy. , 0, , .		0
978	Role of probiotics in brain health. , 2024, , 173-198.		0
983	Gut Microbes: The Gut Brain Connection. , 2023, , 33-59.		0
987	Microbiota to brain communication. , 2024, , 63-82.		0
989	Tryptophan metabolites and the microbiome-gut-brain axis in major gut disorders. , 0, , .		0