

# Gut reactions: How the bloodâ€™brain barrier connects

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The biology of consciousness from the bottom up. <i>Adaptive Behavior</i> , 2018, 26, 91-109.	1.1	2
2	Bidirectional gut-brain-microbiota axis as a potential link between inflammatory bowel disease and ischemic stroke. <i>Journal of Neuroinflammation</i> , 2018, 15, 339.	3.1	82
3	Bacteriaâ€™Host Interactions in Multiple Sclerosis. <i>Frontiers in Microbiology</i> , 2018, 9, 2966.	1.5	36
4	Commentary on the 2018 Named Series on blood-brain interfaces: Roles of neuroimmunomodulation in health and disease. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 3-6.	2.0	1
5	Towards Improvements for Penetrating the Bloodâ€™Brain Barrierâ€™Recent Progress from a Material and Pharmaceutical Perspective. <i>Cells</i> , 2018, 7, 24.	1.8	207
6	Probiotics: Novel Addition to Antiglioma Armamentarium. <i>World Neurosurgery</i> , 2018, 113, 376.	0.7	0
7	Microbiota-gut brain axis involvement in neuropsychiatric disorders. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 1037-1050.	1.4	116
8	Intestinal Surgery Contributes to Acute Cerebellar Ataxia Through Gut Brain Axis. <i>Frontiers in Neurology</i> , 2019, 10, 995.	1.1	2
9	Repeated mild traumatic brain injury affects microbial diversity in rat jejunum. <i>Journal of Biosciences</i> , 2019, 44, 1.	0.5	23
10	The bloodâ€™brain barrier as an endocrine tissue. <i>Nature Reviews Endocrinology</i> , 2019, 15, 444-455.	4.3	100
11	Accumulation of uremic solutes in the cerebrospinal fluid in experimental acute renal failure. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F296-F302.	1.3	9
12	Antibiotics, gut microbiota, and Alzheimerâ€™s disease. <i>Journal of Neuroinflammation</i> , 2019, 16, 108.	3.1	262
13	The Roof is Leaking and a Storm is Raging: Repairing the Bloodâ€™Brain Barrier in the Fight Against Epilepsy. <i>Epilepsy Currents</i> , 2019, 19, 177-181.	0.4	40
14	Age-Associated Changes in the Immune System and Bloodâ€™Brain Barrier Functions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1632.	1.8	107
15	Microbes and the Mind: How Bacteria Shape Affect, Neurological Processes, Cognition, Social Relationships, Development, and Pathology. <i>Perspectives on Psychological Science</i> , 2019, 14, 397-418.	5.2	25
16	Dysbiosis of the Microbiota in Anorexia Nervosa: Pathophysiological Implications. , 2019, , .		0
17	An Overview of the Blood-Brain Barrier. <i>Neuromethods</i> , 2019, , 1-8.	0.2	9
18	Epigenetics of the molecular clock and bacterial diversity in bipolar disorder. <i>Psychoneuroendocrinology</i> , 2019, 101, 160-166.	1.3	52

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19	Short-chain fatty acids and gut microbiota in multiple sclerosis. <i>Acta Neurologica Scandinavica</i> , 2019, 139, 208-219.	1.0	73
20	Impact of gut microbiota on neurogenesis and neurological diseases during infancy. <i>Current Opinion in Pharmacology</i> , 2020, 50, 33-37.	1.7	29
21	The Gut Microbiome as a Component of the Gut-Brain Axis in Cognitive Health. <i>Biological Research for Nursing</i> , 2020, 22, 485-494.	1.0	17
22	The Holobiont Blindspot: Relating Host-Microbiome Interactions to Cognitive Biases and the Concept of the "Umwelt". <i>Frontiers in Psychology</i> , 2020, 11, 591071.	1.1	3
23	Mulberroside A repairs high fructose diet-induced damage of intestinal epithelial and blood-brain barriers in mice: A potential for preventing hippocampal neuroinflammatory injury. <i>Journal of Neurochemistry</i> , 2021, 157, 1979-1991.	2.1	10
24	Depression in Individuals Coinfected with HIV and HCV Is Associated with Systematic Differences in the Gut Microbiome and Metabolome. <i>MSystems</i> , 2020, 5, .	1.7	9
25	Protection of Fecal Microbiota Transplantation in a Mouse Model of Multiple Sclerosis. <i>Mediators of Inflammation</i> , 2020, 2020, 1-13.	1.4	50
26	Polymannuronic acid prevents dopaminergic neuronal loss via brain-gut-microbiota axis in Parkinson's disease model. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 994-1005.	3.6	34
27	Probiotics in Treatment of Viral Respiratory Infections and Neuroinflammatory Disorders. <i>Molecules</i> , 2020, 25, 4891.	1.7	50
28	Target Dysbiosis of Gut Microbes as a Future Therapeutic Manipulation in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 544235.	1.7	38
29	The gut microbiome and psycho-cognitive traits. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 176, 123-140.	0.9	1
30	Inflammation in Traumatic Brain Injury. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 1-28.	1.2	36
31	Immune-mediated genesis of multiple sclerosis. <i>Journal of Translational Autoimmunity</i> , 2020, 3, 100039.	2.0	24
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36	The gut microbiota confers protection in the CNS against neurodegeneration induced by manganism. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110150.	2.5	23

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38	Insulin resistance and obesity. , 2020, , 1-70.		0
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40	Inflammatory bowel disease is associated with higher dementia risk: a nationwide longitudinal study. <i>Gut</i> , 2021, 70, 85-91.	6.1	171
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45	Polyphenols from food processing byproducts and their microbiotaâ€“gutâ€“brain axis-based health benefits. , 2021, , 855-880.		1
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50	Pathophysiological Correlation between Cigarette Smoking and Amyotrophic Lateral Sclerosis. <i>NeuroSci</i> , 2021, 2, 120-134.	0.4	1
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53	Contribution of the Gut Microbiome to Drug Disposition, Pharmacokinetic and Pharmacodynamic Variability. <i>Clinical Pharmacokinetics</i> , 2021, 60, 971-984.	1.6	32
54	Bone-Derived Modulators That Regulate Brain Function: Emerging Therapeutic Targets for Neurological Disorders. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 683457.	1.8	9
55	Tâ€“cell infiltration, contribution and regulation in the central nervous system postâ€“traumatic injury. <i>Cell Proliferation</i> , 2021, 54, e13092.	2.4	11
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58	Constipation induced gut microbiota dysbiosis exacerbates experimental autoimmune encephalomyelitis in C57BL/6 mice. <i>Journal of Translational Medicine</i> , 2021, 19, 317.	1.8	26
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63	Probiotics and gut microbiome – Prospects and challenges in remediating heavy metal toxicity. <i>Journal of Hazardous Materials</i> , 2021, 420, 126676.	6.5	56
64	Neuroprotective effect of fucoidan by regulating gut-microbiota-brain axis in alcohol withdrawal mice. <i>Journal of Functional Foods</i> , 2021, 86, 104726.	1.6	8
65	Microbiome Management of Neurological Disorders. , 2022, , 342-357.		0
67	Gut Microbiota and Disorders of the Central Nervous System. <i>Neuroscientist</i> , 2020, 26, 487-502.	2.6	20
68	Gut microbiota and pro/prebiotics in Alzheimer’s disease. <i>Aging</i> , 2020, 12, 5539-5550.	1.4	80
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70	Gut-Induced Inflammation during Development May Compromise the Blood-Brain Barrier and Predispose to Autism Spectrum Disorder. <i>Journal of Clinical Medicine</i> , 2021, 10, 27.	1.0	26
71	Modeling alpha-synuclein pathology in a human brain-chip to assess blood-brain barrier disruption. <i>Nature Communications</i> , 2021, 12, 5907.	5.8	97
72	Evidence and Therapeutic Perspectives in the Relationship between the Oral Microbiome and Alzheimer’s Disease: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11157.	1.2	17
73	Ecological Processes and Human Behavior Provide a Framework for Studying the Skin Microbial Metacommunity. <i>Microbial Ecology</i> , 2022, 84, 689-702.	1.4	4
74	Microbiota – Gut – Brain Axis and Epilepsy: A Review on Mechanisms and Potential Therapeutics. <i>Frontiers in Immunology</i> , 2021, 12, 742449.	2.2	52
75	Short-chain fatty acids as modulators of redox signaling in health and disease. <i>Redox Biology</i> , 2021, 47, 102165.	3.9	89

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76	The Bloodâ€“Brain Barrier, Oxidative Stress, and Insulin Resistance. <i>Antioxidants</i> , 2021, 10, 1695.	2.2	28
77	Beneficial Effects on Brain Micro-Environment by Caloric Restriction in Alleviating Neurodegenerative Diseases and Brain Aging. <i>Frontiers in Physiology</i> , 2021, 12, 715443.	1.3	8
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80	The microbiotaâ€“gutâ€“brain axis and epilepsy from a multidisciplinary perspective: Clinical evidence and technological solutions for improvement of in vitro preclinical models. <i>Bioengineering and Translational Medicine</i> , 2022, 7, .	3.9	10
81	The Brain-Gut-Microbiome System: Pathways and Implications for Autism Spectrum Disorder. <i>Nutrients</i> , 2021, 13, 4497.	1.7	29
82	Repeated mild traumatic brain injury affects microbial diversity in rat jejunum. <i>Journal of Biosciences</i> , 2019, 44, .	0.5	7
83	Gut microbiota and plasma cytokine levels in patients with attention-deficit/hyperactivity disorder. <i>Translational Psychiatry</i> , 2022, 12, 76.	2.4	12
84	Varied Composition and Underlying Mechanisms of Gut Microbiome in Neuroinflammation. <i>Microorganisms</i> , 2022, 10, 705.	1.6	10
85	Drosophila Model for Studying Gut Microbiota in Behaviors and Neurodegenerative Diseases. <i>Biomedicines</i> , 2022, 10, 596.	1.4	12
86	Neuroinflammation, Stem Cells, and Stroke. <i>Stroke</i> , 2022, 53, 1460-1472.	1.0	37
87	The potential applications of traditional Chinese medicine in Parkinson's disease: A new opportunity. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112866.	2.5	15
88	Treating autism spectrum disorder by intervening with gut microbiota. <i>Journal of Medical Microbiology</i> , 2021, 70, .	0.7	5
89	Crucial Role of Central Nervous System as a Viral Anatomical Compartment for HIV-1 Infection. <i>Microorganisms</i> , 2021, 9, 2537.	1.6	9
90	Aging Microbiota-Gut-Brain Axis in Stroke Risk and Outcome. <i>Circulation Research</i> , 2022, 130, 1112-1144.	2.0	40
91	The Role of the Gut Microbiota and Microbial Metabolites in the Pathogenesis of Alzheimerâ€™s Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2023, 22, 577-598.	0.8	4
92	Bidirectional association between inflammatory bowel disease and depression among patients and their unaffected siblings. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2022, 37, 1307-1315.	1.4	8
94	Influence of 2â€“Fucosyllactose and <i>Bifidobacterium longum</i> Subspecies <i>infantis</i> Supplementation on Cognitive and Structural Brain Development in Young Pigs. <i>Frontiers in Neuroscience</i> , 2022, 16, 860368.	1.4	7
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96	Research Progress on Nanoplatfoms and Nanotherapeutic Strategies in Treating Glioma. <i>Molecular Pharmaceutics</i> , 2022, 19, 1927-1951.	2.3	13
97	Importance of crosstalk between the microbiota and the neuroimmune system for tissue homeostasis. <i>Clinical and Translational Immunology</i> , 2022, 11, .	1.7	5
98	Pediatric Traumatic Brain Injury: An Update on Preclinical Models, Clinical Biomarkers, and the Implications of Cerebrovascular Dysfunction. <i>Journal of Central Nervous System Disease</i> , 2022, 14, 117957352210981.	0.7	7
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100	Thinking outside the box: non-canonical targets in multiple sclerosis. <i>Nature Reviews Drug Discovery</i> , 2022, 21, 578-600.	21.5	31
101	Interactions between central nervous system and peripheral metabolic organs. <i>Science China Life Sciences</i> , 2022, 65, 1929-1958.	2.3	18
102	Insulin Resistance in Peripheral Tissues and the Brain: A Tale of Two Sites. <i>Biomedicines</i> , 2022, 10, 1582.	1.4	18
103	Psychobiotics: the Influence of Gut Microbiota on the Gut-Brain Axis in Neurological Disorders. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 1952-1964.	1.1	18
104	Oral Microbiota, Its Equilibrium and Implications in the Pathophysiology of Human Diseases: A Systematic Review. <i>Biomedicines</i> , 2022, 10, 1803.	1.4	10
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108	Animal Models of Cognitive Deficits for Probiotic Treatment. <i>Food Science of Animal Resources</i> , 2022, 42, 981-995.	1.7	1
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111	Microbiome influences on neuro-immune interactions in neurodegenerative disease. <i>International Review of Neurobiology</i> , 2022, , 25-57.	0.9	6
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114	The microbiome-gut-brain axis in nutritional neuroscience. <i>Nutritional Neuroscience</i> , 0, , 1-13.	1.5	4

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115	Organs-on-Chips: Trends and Challenges in Advanced Systems Integration. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	8
116	Genetically proxied gut microbiota, gut metabolites with risk of epilepsy and the subtypes: A bi-directional Mendelian randomization study. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	7
117	Rifaximin Modifies Gut Microbiota and Attenuates Inflammation in Parkinson's Disease: Preclinical and Clinical Studies. <i>Cells</i> , 2022, 11, 3468.	1.8	11
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120	New hints for improving sleep: Tea polyphenols mediate gut microbiota to regulate circadian disturbances. <i>Food Frontiers</i> , 2023, 4, 47-59.	3.7	2
121	Gut Microbiota, Alzheimer and Psychiatric Diseases: Unveiling the Relationships and Treatment Options. <i>Healthy Ageing and Longevity</i> , 2023, , 279-333.	0.2	0
122	Chronic exposure to metam sodium-based pesticide in mice during adulthood elevated anxiety and depression-like behaviors: Involvement of serotonergic depletion and gut microbiota dysbiosis. <i>Environmental Toxicology and Pharmacology</i> , 2023, 93, 104066.	2.0	3
123	Protective Effect of Anthocyanins against Neurodegenerative Diseases through the Microbial-Intestinal-Brain Axis: A Critical Review. <i>Nutrients</i> , 2023, 15, 496.	1.7	11
124	Timing matters: Sex differences in inflammatory and behavioral outcomes following repetitive blast mild traumatic brain injury. <i>Brain, Behavior, and Immunity</i> , 2023, 110, 222-236.	2.0	4
125	Forced treadmill running modifies gut microbiota with alleviations of cognitive impairment and Alzheimer's disease pathology in 3xTg-AD mice. <i>Physiology and Behavior</i> , 2023, 264, 114145.	1.0	1
126	Assessment of the therapeutic potential of probiotics against carbon quantum dots-induced neurotoxicity in common carp ( <i>Cyprinus carpio</i> ). <i>Aquatic Toxicology</i> , 2023, 258, 106508.	1.9	3
127	Gut Leakage Markers and Cognitive Functions in Patients with Attention-Deficit/Hyperactivity Disorder. <i>Children</i> , 2023, 10, 513.	0.6	1
128	A review of neuroendocrine immune system abnormalities in IBS based on the brain-gut axis and research progress of acupuncture intervention. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	6
129	Soluble TNF mediates amyloid-independent, diet-induced alterations to immune and neuronal functions in an Alzheimer's disease mouse model. <i>Frontiers in Cellular Neuroscience</i> , 0, 17, .	1.8	3
130	Impact of Pesticide Residues on the Gut-Microbiota-Blood-Brain Barrier Axis: A Narrative Review. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6147.	1.8	7
131	Cellular senescence and the blood-brain barrier: Implications for aging and age-related diseases. <i>Experimental Biology and Medicine</i> , 2023, 248, 399-411.	1.1	4
135	Gut microbiota and circadian rhythm in Alzheimer's disease pathophysiology: a review and hypothesis on their association. , 2023, 9, .		0



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159	Importance of the Microbiota in Early Life and Influence on Future Health. , 2024, , 37-76.		0