John Cryan

List of Publications by Year
in descending order

706 papers	79,612 citations	385 134 h-index	718 252 g-index
770 all docs	770 docs citations	770 times ranked	51221 citing authors

#	Article	IF	Citations
1	Mind-altering microorganisms: the impact of the gut microbiota on brain and behaviour. Nature Reviews Neuroscience, 2012, 13, 701-712.	10.2	3,237
2	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.	7.1	2,811
3	The Microbiota-Gut-Brain Axis. Physiological Reviews, 2019, 99, 1877-2013.	28.8	2,304
4	The microbiome-gut-brain axis during early life regulates the hippocampal serotonergic system in a sex-dependent manner. Molecular Psychiatry, 2013, 18, 666-673.	7.9	1,445
5	Assessing antidepressant activity in rodents: recent developments and future needs. Trends in Pharmacological Sciences, 2002, 23, 238-245.	8.7	1,373
6	Serotonin, tryptophan metabolism and the brain-gut-microbiome axis. Behavioural Brain Research, 2015, 277, 32-48.	2.2	1,320
7	The tail suspension test as a model for assessing antidepressant activity: Review of pharmacological and genetic studies in mice. Neuroscience and Biobehavioral Reviews, 2005, 29, 571-625.	6.1	1,266
8	Transferring the blues: Depression-associated gut microbiota induces neurobehavioural changes in the rat. Journal of Psychiatric Research, 2016, 82, 109-118.	3.1	1,130
9	The ascent of mouse: advances in modelling human depression and anxiety. Nature Reviews Drug Discovery, 2005, 4, 775-790.	46.4	988
10	Early Life Stress Alters Behavior, Immunity, and Microbiota in Rats: Implications for Irritable Bowel Syndrome and Psychiatric Illnesses. Biological Psychiatry, 2009, 65, 263-267.	1.3	956
11	Assessing substrates underlying the behavioral effects of antidepressants using the modified rat forced swimming test. Neuroscience and Biobehavioral Reviews, 2005, 29, 547-569.	6.1	935
12	Psychobiotics: A Novel Class of Psychotropic. Biological Psychiatry, 2013, 74, 720-726.	1.3	917
13	Microbiota and neurodevelopmental windows: implications for brain disorders. Trends in Molecular Medicine, 2014, 20, 509-518.	6.7	852
14	Minireview: Gut Microbiota: The Neglected Endocrine Organ. Molecular Endocrinology, 2014, 28, 1221-1238.	3.7	835
15	Effects of the probiotic Bifidobacterium infantis in the maternal separation model of depression. Neuroscience, 2010, 170, 1179-1188.	2.3	798
16	Breaking down the barriers: the gut microbiome, intestinal permeability and stress-related psychiatric disorders. Frontiers in Cellular Neuroscience, 2015, 9, 392.	3.7	757
17	The microbiome-gut-brain axis: from bowel to behavior. Neurogastroenterology and Motility, 2011, 23, 187-192.	3.0	741
18	Stress & the gut-brain axis: Regulation by the microbiome. Neurobiology of Stress, 2017, 7, 124-136.	4.0	736

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19	Gut Microbes and the Brain: Paradigm Shift in Neuroscience. Journal of Neuroscience, 2014, 34, 15490-15496.	3.6	719
20	Microbiota is essential for social development in the mouse. Molecular Psychiatry, 2014, 19, 146-148.	7.9	708
21	Using the rat forced swim test to assess antidepressant-like activity in rodents. Nature Protocols, 2012, 7, 1009-1014.	12.0	706
22	Brain?Gut?Microbe Communication in Health and Disease. Frontiers in Physiology, 2011, 2, 94.	2.8	698
23	Psychobiotics and the Manipulation of Bacteriaâ€“Gutâ€“Brain Signals. Trends in Neurosciences, 2016, 39, 763-781.	8.6	691
24	The Microbiome-Gut-Brain Axis in Health and Disease. Gastroenterology Clinics of North America, 2017, 46, 77-89.	2.2	678
25	The gut microbiome in neurological disorders. Lancet Neurology, The, 2020, 19, 179-194.	10.2	669
26	Targeting the Microbiota-Gut-Brain Axis: Prebiotics Have Anxiolytic and Antidepressant-like Effects and Reverse the Impact of Chronic Stress in Mice. Biological Psychiatry, 2017, 82, 472-487.	1.3	661
27	Gut microbiota depletion from early adolescence in mice: Implications for brain and behaviour. Brain, Behavior, and Immunity, 2015, 48, 165-173.	4.1	572
28	The neuropharmacology of butyrate: The bread and butter of the microbiota-gut-brain axis?. Neurochemistry International, 2016, 99, 110-132.	3.8	565
29	In search of a depressed mouse: utility of models for studying depression-related behavior in genetically modified mice. Molecular Psychiatry, 2004, 9, 326-357.	7.9	553
30	Gut instincts: microbiota as a key regulator of brain development, ageing and neurodegeneration. Journal of Physiology, 2017, 595, 489-503.	2.9	520
31	Biological and psychological markers of stress in humans: Focus on the Trier Social Stress Test. Neuroscience and Biobehavioral Reviews, 2014, 38, 94-124.	6.1	512
32	Microbial genes, brain & behaviourÂâ€“Âepigenetic regulation of the gutâ€“brain axis. Genes, Brain and Behavior, 2014, 13, 69-86.	2.2	495
33	Shortâ€chain fatty acids: microbial metabolites that alleviate stressâ€induced brainâ€“gut axis alterations. Journal of Physiology, 2018, 596, 4923-4944.	2.9	460
34	Regulation of prefrontal cortex myelination by the microbiota. Translational Psychiatry, 2016, 6, e774-e774.	4.8	459
35	Regulation of the stress response by the gut microbiota: Implications for psychoneuroendocrinology. Psychoneuroendocrinology, 2012, 37, 1369-1378.	2.7	455
36	Kynurenine pathway metabolism and the microbiota-gut-brain axis. Neuropharmacology, 2017, 112, 399-412.	4.1	424

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37	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.	2.1	419
38	Collective unconscious: How gut microbes shape human behavior. Journal of Psychiatric Research, 2015, 63, 1-9.	3.1	410
39	The microbiotaâ€“gutâ€“brain axis in obesity. The Lancet Gastroenterology and Hepatology, 2017, 2, 747-756.	8.1	408
40	The microbiome: A key regulator of stress and neuroinflammation. Neurobiology of Stress, 2016, 4, 23-33.	4.0	399
41	Getting the Hologenome Concept Right: an Eco-Evolutionary Framework for Hosts and Their Microbiomes. MSystems, 2016, 1, .	3.8	388
42	Don't worry â€˜Bâ€™ happy!: a role for GABAB receptors in anxiety and depression. Trends in Pharmacological Sciences, 2005, 26, 36-43.	8.7	385
43	Gut microbiota, obesity and diabetes. Postgraduate Medical Journal, 2016, 92, 286-300.	1.8	377
44	Adult Hippocampal Neurogenesis Is Regulated by the Microbiome. Biological Psychiatry, 2015, 78, e7-e9.	1.3	363
45	The microbiome: stress, health and disease. Mammalian Genome, 2014, 25, 49-74.	2.2	361
46	Anxiety, Depression, and the Microbiome: A Role for Gut Peptides. Neurotherapeutics, 2018, 15, 36-59.	4.4	358
47	The Microbiota-Gut-Brain Axis: From Motility to Mood. Gastroenterology, 2021, 160, 1486-1501.	1.3	356
48	Feeding the microbiota-gut-brain axis: diet, microbiome, and neuropsychiatry. Translational Research, 2017, 179, 223-244.	5.0	351
49	Bifidobacterium longum 1714 as a translational psychobiotic: modulation of stress, electrophysiology and neurocognition in healthy volunteers. Translational Psychiatry, 2016, 6, e939-e939.	4.8	350
50	Maternal separation as a model of brainâ€“gut axis dysfunction. Psychopharmacology, 2011, 214, 71-88.	3.1	339
51	Melancholic microbes: a link between gut microbiota and depression?. Neurogastroenterology and Motility, 2013, 25, 713-719.	3.0	337
52	<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.	3.0	337
53	Gut Microbe to Brain Signaling: What Happens in Vagusâ€¦. Neuron, 2019, 101, 998-1002.	8.1	327
54	Genetic and Pharmacological Evidence of a Role for GABAB Receptors in the Modulation of Anxiety- and Antidepressant-Like Behavior. Neuropsychopharmacology, 2004, 29, 1050-1062.	5.4	314

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55	cAMP Response Element-Binding Protein Is Essential for the Upregulation of Brain-Derived Neurotrophic Factor Transcription, But Not the Behavioral or Endocrine Responses to Antidepressant Drugs. Journal of Neuroscience, 2002, 22, 3262-3268.	3.6	307
56	Bifidobacteria modulate cognitive processes in an anxious mouse strain. Behavioural Brain Research, 2015, 287, 59-72.	2.2	296
57	The Trier Social Stress Test: Principles and practice. Neurobiology of Stress, 2017, 6, 113-126.	4.0	294
58	Differential Compartmentalization and Distinct Functions of GABAB Receptor Variants. Neuron, 2006, 50, 589-601.	8.1	289
59	Stress resilience during the coronavirus pandemic. European Neuropsychopharmacology, 2020, 35, 12-16.	0.7	285
60	Differential behavioral effects of the antidepressants reboxetine, fluoxetine, and moclobemide in a modified forced swim test following chronic treatment. Psychopharmacology, 2005, 182, 335-344.	3.1	281
61	Microbiota-Gut-Brain Axis: Modulator of Host Metabolism and Appetite. Journal of Nutrition, 2017, 147, 727-745.	2.9	280
62	Microbiota and the social brain. Science, 2019, 366, .	12.6	279
63	Animal models of mood disorders: recent developments. Current Opinion in Psychiatry, 2007, 20, 1-7.	6.3	278
64	Diet and depression: exploring the biological mechanisms of action. Molecular Psychiatry, 2021, 26, 134-150.	7.9	265
65	Adult microbiotaâ€deficient mice have distinct dendritic morphological changes: differential effects in the amygdala and hippocampus. European Journal of Neuroscience, 2016, 44, 2654-2666.	2.6	263
66	Stress and the Microbiotaâ€“Gutâ€“Brain Axis in Visceral Pain: Relevance to Irritable Bowel Syndrome. CNS Neuroscience and Therapeutics, 2016, 22, 102-117.	3.9	262
67	Microbiota-related Changes in Bile Acid & Tryptophan Metabolism are Associated with Gastrointestinal Dysfunction in a Mouse Model of Autism. EBioMedicine, 2017, 24, 166-178.	6.1	261
68	Lost in translation? The potential psychobiotic Lactobacillus rhamnosus (JB-1) fails to modulate stress or cognitive performance in healthy male subjects. Brain, Behavior, and Immunity, 2017, 61, 50-59.	4.1	254
69	Brainâ€“gutâ€“microbiota axis â€” mood, metabolism and behaviour. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 69-70.	17.8	252
70	Irritable bowel syndrome: A microbiome-gut-brain axis disorder?. World Journal of Gastroenterology, 2014, 20, 14105.	3.3	249
71	The Impact of Microbiota on Brain and Behavior: Mechanisms & Therapeutic Potential. Advances in Experimental Medicine and Biology, 2014, 817, 373-403.	1.6	247
72	Bacterial Neuroactive Compounds Produced by Psychobiotics. Advances in Experimental Medicine and Biology, 2014, 817, 221-239.	1.6	245

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73	From The Cover: A selective metabotropic glutamate receptor 7 agonist: Activation of receptor signaling via an allosteric site modulates stress parameters in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18712-18717.	7.1	244
74	Norepinephrine-deficient mice lack responses to antidepressant drugs, including selective serotonin reuptake inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8186-8191.	7.1	243
75	Antidepressant and anxiolytic-like effects in mice lacking the group III metabotropic glutamate receptor mGluR7. European Journal of Neuroscience, 2003, 17, 2409-2417.	2.6	240
76	Gender-dependent consequences of chronic olanzapine in the rat: effects on body weight, inflammatory, metabolic and microbiota parameters. Psychopharmacology, 2012, 221, 155-169.	3.1	231
77	Recent developments in understanding the role of the gut microbiota in brain health and disease. Annals of the New York Academy of Sciences, 2018, 1420, 5-25.	3.8	227
78	Microbiota-Gut-Brain Axis: New Therapeutic Opportunities. Annual Review of Pharmacology and Toxicology, 2020, 60, 477-502.	9.4	227
79	Prenatal stress-induced alterations in major physiological systems correlate with gut microbiota composition in adulthood. Psychoneuroendocrinology, 2015, 60, 58-74.	2.7	224
80	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.	2.3	222
81	The age of anxiety: role of animal models of anxiolytic action in drug discovery. British Journal of Pharmacology, 2011, 164, 1129-1161.	5.4	220
82	May the Force Be With You: The Light and Dark Sides of the Microbiotaâ€“Gutâ€“Brain Axis in Neuropsychiatry. CNS Drugs, 2016, 30, 1019-1041.	5.9	218
83	The Neuroendocrinology of the Microbiota-Gut-Brain Axis: A Behavioural Perspective. Frontiers in Neuroendocrinology, 2018, 51, 80-101.	5.2	218
84	Redistribution of GABA_{B(1)}Protein and Atypical GABA_BResponses in GABA_{B(2)}-Deficient Mice. Journal of Neuroscience, 2004, 24, 6086-6097.	3.6	213
85	The impact of gut microbiota on brain and behaviour. Current Opinion in Clinical Nutrition and Metabolic Care, 2015, 18, 552-558.	2.5	212
86	Gut Reactions: Breaking Down Xenobioticâ€“Microbiome Interactions. Pharmacological Reviews, 2019, 71, 198-224.	16.0	211
87	Microbes & neurodevelopment â€“ Absence of microbiota during early life increases activity-related transcriptional pathways in the amygdala. Brain, Behavior, and Immunity, 2015, 50, 209-220.	4.1	210
88	Brain-Gut-Microbiota Axis and Mental Health. Psychosomatic Medicine, 2017, 79, 920-926.	2.0	210
89	Microbiota Regulation of the Mammalian Gutâ€“Brain Axis. Advances in Applied Microbiology, 2015, 91, 1-62.	2.4	207
90	Bupropion enhances brain reward function and reverses the affective and somatic aspects of nicotine withdrawal in the rat. Psychopharmacology, 2003, 168, 347-358.	3.1	206

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91	Behavioral Characterization of the Novel GABAB Receptor-Positive Modulator GS39783 (N,Nâ€²-Dicyclopentyl-2-methylsulfanyl-5-nitro-pyrimidine-4,6-diamine): Anxiolytic-Like Activity without Side Effects Associated with Baclofen or Benzodiazepines. Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 952-963.	2.5	203
92	Communication between gastrointestinal bacteria and the nervous system. Current Opinion in Pharmacology, 2012, 12, 667-672.	3.5	203
93	Antipsychotics and the gut microbiome: olanzapine-induced metabolic dysfunction is attenuated by antibiotic administration in the rat. Translational Psychiatry, 2013, 3, e309-e309.	4.8	201
94	The impact of the prolonged COVID-19 pandemic on stress resilience and mental health: A critical review across waves. European Neuropsychopharmacology, 2022, 55, 22-83.	0.7	200
95	Antidepressant-like behavioral effects mediated by 5-Hydroxytryptamine(2C) receptors. Journal of Pharmacology and Experimental Therapeutics, 2000, 295, 1120-6.	2.5	198
96	Behavioural and neurochemical consequences of chronic gut microbiota depletion during adulthood in the rat. Neuroscience, 2016, 339, 463-477.	2.3	196
97	Neurochemical and behavioral consequences of widespread gene knockdown in the adult mouse brain by using nonviral RNA interference. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17270-17275.	7.1	195
98	Omega-3 polyunsaturated fatty acids critically regulate behaviour and gut microbiota development in adolescence and adulthood. Brain, Behavior, and Immunity, 2017, 59, 21-37.	4.1	195
99	Ghrelin signalling and obesity: At the interface of stress, mood and food reward. , 2012, 135, 316-326.		194
100	Cross Talk: The Microbiota and Neurodevelopmental Disorders. Frontiers in Neuroscience, 2017, 11, 490.	2.8	194
101	Nutritional psychiatry: Towards improving mental health by what you eat. European Neuropsychopharmacology, 2019, 29, 1321-1332.	0.7	191
102	Withdrawal from chronic amphetamine induces Depressive-Like behavioral effects in rodents. Biological Psychiatry, 2003, 54, 49-58.	1.3	180
103	Research Review: Birth by caesarean section and development of autism spectrum disorder and attentionâ€deficit/hyperactivity disorder: a systematic review and metaâ€analysis. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2015, 56, 500-508.	5.2	178
104	The future of rodent models in depression research. Nature Reviews Neuroscience, 2019, 20, 686-701.	10.2	178
105	Exciting Times beyond the Brain: Metabotropic Glutamate Receptors in Peripheral and Non-Neural Tissues. Pharmacological Reviews, 2011, 63, 35-58.	16.0	177
106	Specific gamma-hydroxybutyrate-binding sites but loss of pharmacological effects of gamma-hydroxybutyrate in GABAB(1)-deficient mice. European Journal of Neuroscience, 2003, 18, 2722-2730.	2.6	175
107	Review article: probiotics for the treatment of irritable bowel syndrome â€“ focus on lactic acid bacteria. Alimentary Pharmacology and Therapeutics, 2012, 35, 403-413.	3.7	175
108	Microbes, Immunity, and Behavior: Psychoneuroimmunology Meets the Microbiome. Neuropsychopharmacology, 2017, 42, 178-192.	5.4	174

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109	Interactions between antidepressants and Pâ€glycoprotein at the bloodâ€“brain barrier: clinical significance of in vitro and in vivo findings. British Journal of Pharmacology, 2012, 165, 289-312.	5.4	171
110	The probiotic Bifidobacterium infantis 35624 displays visceral antinociceptive effects in the rat. Neurogastroenterology and Motility, 2010, 22, 1029.	3.0	170
111	Differential effects of psychotropic drugs on microbiome composition and gastrointestinal function. Psychopharmacology, 2019, 236, 1671-1685.	3.1	170
112	Noradrenergic lesions differentially alter the antidepressant-like effects of reboxetine in a modified forced swim test. European Journal of Pharmacology, 2002, 436, 197-205.	3.5	168
113	Role of adult hippocampal neurogenesis in stress resilience. Neurobiology of Stress, 2015, 1, 147-155.	4.0	165
114	Probiotic modulation of the microbiota-gut-brain axis and behaviour in zebrafish. Scientific Reports, 2016, 6, 30046.	3.3	165
115	A systematic review of the psychobiological burden of informal caregiving for patients with dementia: Focus on cognitive and biological markers of chronic stress. Neuroscience and Biobehavioral Reviews, 2017, 73, 123-164.	6.1	165
116	Genomics of schizophrenia: time to consider the gut microbiome?. Molecular Psychiatry, 2014, 19, 1252-1257.	7.9	163
117	Gut Microbiota: The Conductor in the Orchestra of Immuneâ€“Neuroendocrine Communication. Clinical Therapeutics, 2015, 37, 954-967.	2.5	163
118	Food for thought: The role of nutrition in the microbiota-gutâ€“brain axis. Clinical Nutrition Experimental, 2016, 6, 25-38.	2.0	163
119	A ventral view on antidepressant action: roles for adult hippocampal neurogenesis along the dorsoventral axis. Trends in Pharmacological Sciences, 2014, 35, 675-687.	8.7	161
120	Irritable bowel syndrome: towards biomarker identification. Trends in Molecular Medicine, 2009, 15, 478-489.	6.7	160
121	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.	4.0	159
122	Revisiting Metchnikoff: Age-related alterations in microbiota-gut-brain axis in the mouse. Brain, Behavior, and Immunity, 2017, 65, 20-32.	4.1	158
123	Brain-gut-microbiota axis: challenges for translation in psychiatry. Annals of Epidemiology, 2016, 26, 366-372.	1.9	157
124	A review of ketamine in affective disorders: Current evidence of clinical efficacy, limitations of use and pre-clinical evidence on proposed mechanisms of action. Journal of Affective Disorders, 2014, 156, 24-35.	4.1	156
125	Gut memories: Towards a cognitive neurobiology of irritable bowel syndrome. Neuroscience and Biobehavioral Reviews, 2012, 36, 310-340.	6.1	155
126	Early-life adversity and brain development: Is the microbiome a missing piece of the puzzle?. Neuroscience, 2017, 342, 37-54.	2.3	155

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127	Feeling Strained? Influence of Genetic Background on Depression-Related Behavior in Mice: A Review. Behavior Genetics, 2007, 37, 171-213.	2.1	153
128	Depression's Unholy Trinity: Dysregulated Stress, Immunity, and the Microbiome. Annual Review of Psychology, 2020, 71, 49-78.	17.7	152
129	Probiotics and the Microbiota-Gut-Brain Axis: Focus on Psychiatry. Current Nutrition Reports, 2020, 9, 171-182.	4.3	151
130	A gut (microbiome) feeling about the brain. Current Opinion in Gastroenterology, 2016, 32, 96-102.	2.3	150
131	A Gut Feeling about GABA: Focus on GABAB Receptors. Frontiers in Pharmacology, 2010, 01, 124.	3.5	148
132	The Microbiome in Psychology and Cognitive Neuroscience. Trends in Cognitive Sciences, 2018, 22, 611-636.	7.8	148
133	Priming for health: gut microbiota acquired in early life regulates physiology, brain and behaviour. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 812-819.	1.5	146
134	The microbiome regulates amygdala-dependent fear recall. Molecular Psychiatry, 2018, 23, 1134-1144.	7.9	146
135	Programming Bugs: Microbiota and the Developmental Origins of Brain Health and Disease. Biological Psychiatry, 2019, 85, 150-163.	1.3	146
136	siRNA-mediated knockdown of the serotonin transporter in the adult mouse brain. Molecular Psychiatry, 2005, 10, 782-789.	7.9	144
137	Concomitant Deficits in Working Memory and Fear Extinction Are Functionally Dissociated from Reduced Anxiety in Metabotropic Glutamate Receptor 7-Deficient Mice. Journal of Neuroscience, 2006, 26, 6573-6582.	3.6	144
138	N-3 Polyunsaturated Fatty Acids (PUFAs) Reverse the Impact of Early-Life Stress on the Gut Microbiota. PLoS ONE, 2015, 10, e0139721.	2.5	143
139	Making Sense of â€¦ the Microbiome in Psychiatry. International Journal of Neuropsychopharmacology, 2019, 22, 37-52.	2.1	142
140	High-fat diet selectively protects against the effects of chronic social stress in the mouse. Neuroscience, 2011, 192, 351-360.	2.3	141
141	The blood-brain barrier in aging and neurodegeneration. Molecular Psychiatry, 2022, 27, 2659-2673.	7.9	141
142	Region specific decrease in glial fibrillary acidic protein immunoreactivity in the brain of a rat model of depression. Neuroscience, 2009, 159, 915-925.	2.3	137
143	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. Ageing Research Reviews, 2018, 42, 40-55.	10.9	136
144	5-HT1A and beyond: the role of serotonin and its receptors in depression and the antidepressant response. Human Psychopharmacology, 2000, 15, 113-135.	1.5	135

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145	Microbial regulation of microRNA expression in the amygdala and prefrontal cortex. Microbiome, 2017, 5, 102.	11.1	133
146	Microbiota from young mice counteracts selective age-associated behavioral deficits. Nature Aging, 2021, 1, 666-676.	11.6	132
147	Altered peripheral toll-like receptor responses in the irritable bowel syndrome. Alimentary Pharmacology and Therapeutics, 2011, 33, 1045-1052.	3.7	130
148	Microbe-host interactions: Influence of the gut microbiota on the enteric nervous system. Developmental Biology, 2016, 417, 182-187.	2.0	129
149	Little things on which happiness depends: microRNAs as novel therapeutic targets for the treatment of anxiety and depression. Molecular Psychiatry, 2012, 17, 359-376.	7.9	128
150	Youâ€™ve got male: Sex and the microbiota-gut-brain axis across the lifespan. Frontiers in Neuroendocrinology, 2020, 56, 100815.	5.2	128
151	Altered anxiety and depression-related behaviour in mice lacking GABAB(2) receptor subunits. NeuroReport, 2005, 16, 307-310.	1.2	127
152	Gut microbiota, the pharmabiotics they produce and host health. Proceedings of the Nutrition Society, 2014, 73, 477-489.	1.0	126
153	Immune modulation of the brain-gut-microbe axis. Frontiers in Microbiology, 2014, 5, 146.	3.5	125
154	Diet and the Microbiotaâ€“Gutâ€“Brain Axis: Sowing the Seeds of Good Mental Health. Advances in Nutrition, 2021, 12, 1239-1285.	6.4	125
155	Promiscuous Dimerization of the Growth Hormone Secretagogue Receptor (GHS-R1a) Attenuates Ghrelin-mediated Signaling. Journal of Biological Chemistry, 2013, 288, 181-191.	3.4	123
156	Metabotropic Glutamate Receptor Subtype 7 Ablation Causes Dysregulation of the HPA Axis and Increases Hippocampal BDNF Protein Levels: Implications for Stress-Related Psychiatric Disorders. Neuropsychopharmacology, 2006, 31, 1112-1122.	5.4	122
157	Enhanced Cholinergic-Mediated Increase in the Pro-Inflammatory Cytokine IL-6 in Irritable Bowel Syndrome: Role of Muscarinic Receptors. American Journal of Gastroenterology, 2008, 103, 2570-2576.	0.4	122
158	A psychology of the human brainâ€“gutâ€“microbiome axis. Social and Personality Psychology Compass, 2017, 11, e12309.	3.7	121
159	The Rostral Anterior Cingulate Cortex Modulates the Efficiency of Amygdala-Dependent Fear Learning. Biological Psychiatry, 2008, 63, 821-831.	1.3	119
160	Focus on the essentials: tryptophan metabolism and the microbiome-gut-brain axis. Current Opinion in Pharmacology, 2019, 48, 137-145.	3.5	119
161	GABAB Receptor Antagonist-Mediated Antidepressant-Like Behavior Is Serotonin-Dependent. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 290-296.	2.5	118
162	Friends with social benefits: host-microbe interactions as a driver of brain evolution and development?. Frontiers in Cellular and Infection Microbiology, 2014, 4, 147.	3.9	118

#	Article	IF	Citations
163	Stress-Induced Visceral Pain: Toward Animal Models of Irritable-Bowel Syndrome and Associated Comorbidities. Frontiers in Psychiatry, 2015, 6, 15.	2.6	118
164	Microbiota regulates visceral pain in the mouse. ELife, 2017, 6, .	6.0	117
165	Short chain fatty acids: Microbial metabolites for gut-brain axis signalling. Molecular and Cellular Endocrinology, 2022, 546, 111572.	3.2	117
166	mGluR7 facilitates extinction of aversive memories and controls amygdala plasticity. Molecular Psychiatry, 2008, 13, 970-979.	7.9	116
167	â€œKilling the Bluesâ€• A role for cellular suicide (apoptosis) in depression and the antidepressant response?. Progress in Neurobiology, 2009, 88, 246-263.	5.7	116
168	Stress and adolescent hippocampal neurogenesis: diet and exercise as cognitive modulators. Translational Psychiatry, 2017, 7, e1081-e1081.	4.8	115
169	Do interactions between stress and immune responses lead to symptom exacerbations in irritable bowel syndrome?. Brain, Behavior, and Immunity, 2011, 25, 1333-1341.	4.1	113
170	A natural solution for obesity: Bioactives for the prevention and treatment of weight gain. A review. Nutritional Neuroscience, 2015, 18, 49-65.	3.1	113
171	From Belly to Brain: Targeting the Ghrelin Receptor in Appetite and Food Intake Regulation. International Journal of Molecular Sciences, 2017, 18, 273.	4.1	112
172	The GABAB Receptor-Positive Modulator GS39783 and the GABAB Receptor Agonist Baclofen Attenuate the Reward-Facilitating Effects of Cocaine: Intracranial Self-Stimulation Studies in the Rat. Neuropsychopharmacology, 2005, 30, 2065-2072.	5.4	109
173	Tryptophan degradation in irritable bowel syndrome: evidence of indoleamine 2,3-dioxygenase activation in a male cohort. BMC Gastroenterology, 2009, 9, 6.	2.0	109
174	Distinct alterations in colonic morphology and physiology in two rat models of enhanced stress-induced anxiety and depression-like behaviour. Stress, 2010, 13, 114-122.	1.8	109
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