John F Cryan

List of Publications by Year in descending order

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294 papers	37,479 citations	6613 79 h-index	3579 181 g-index
298 all docs	298 docs citations	298 times ranked	32370 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	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
5	Microbiota and neurodevelopmental windows: implications for brain disorders. Trends in Molecular Medicine, 2014, 20, 509-518.	6.7	852
6	Minireview: Gut Microbiota: The Neglected Endocrine Organ. Molecular Endocrinology, 2014, 28, 1221-1238.	3.7	835
7	Breaking down the barriers: the gut microbiome, intestinal permeability and stress-related psychiatric disorders. Frontiers in Cellular Neuroscience, 2015, 9, 392.	3.7	757
8	Gut Microbes and the Brain: Paradigm Shift in Neuroscience. Journal of Neuroscience, 2014, 34, 15490-15496.	3.6	719
9	Using the rat forced swim test to assess antidepressant-like activity in rodents. Nature Protocols, 2012, 7, 1009-1014.	12.0	706
10	Psychobiotics and the Manipulation of Bacteriaâ€“Gutâ€“Brain Signals. Trends in Neurosciences, 2016, 39, 763-781.	8.6	691
11	The Microbiome-Gut-Brain Axis in Health and Disease. Gastroenterology Clinics of North America, 2017, 46, 77-89.	2.2	678
12	The gut microbiome in neurological disorders. Lancet Neurology, The, 2020, 19, 179-194.	10.2	669
13	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
14	Gut microbiota depletion from early adolescence in mice: Implications for brain and behaviour. Brain, Behavior, and Immunity, 2015, 48, 165-173.	4.1	572
15	The neuropharmacology of butyrate: The bread and butter of the microbiota-gut-brain axis?. Neurochemistry International, 2016, 99, 110-132.	3.8	565
16	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
17	Shortâ€chain fatty acids: microbial metabolites that alleviate stressâ€induced brainâ€“gut axis alterations. Journal of Physiology, 2018, 596, 4923-4944.	2.9	460
18	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

#	Article	IF	Citations
19	Collective unconscious: How gut microbes shape human behavior. Journal of Psychiatric Research, 2015, 63, 1-9.	3.1	410
20	The microbiotaâ€“gutâ€“brain axis in obesity. The Lancet Gastroenterology and Hepatology, 2017, 2, 747-756.	8.1	408
21	The microbiome: A key regulator of stress and neuroinflammation. Neurobiology of Stress, 2016, 4, 23-33.	4.0	399
22	Getting the Hologenome Concept Right: an Eco-Evolutionary Framework for Hosts and Their Microbiomes. MSystems, 2016, 1, .	3.8	388
23	Gut microbiota, obesity and diabetes. Postgraduate Medical Journal, 2016, 92, 286-300.	1.8	377
24	Adult Hippocampal Neurogenesis Is Regulated by the Microbiome. Biological Psychiatry, 2015, 78, e7-e9.	1.3	363
25	The microbiome: stress, health and disease. Mammalian Genome, 2014, 25, 49-74.	2.2	361
26	The Microbiota-Gut-Brain Axis: From Motility to Mood. Gastroenterology, 2021, 160, 1486-1501.	1.3	356
27	Feeding the microbiota-gut-brain axis: diet, microbiome, and neuropsychiatry. Translational Research, 2017, 179, 223-244.	5.0	351
28	Gut Microbe to Brain Signaling: What Happens in Vagusâ€¦. Neuron, 2019, 101, 998-1002.	8.1	327
29	The Trier Social Stress Test: Principles and practice. Neurobiology of Stress, 2017, 6, 113-126.	4.0	294
30	Stress resilience during the coronavirus pandemic. European Neuropsychopharmacology, 2020, 35, 12-16.	0.7	285
31	Microbiota-Gut-Brain Axis: Modulator of Host Metabolism and Appetite. Journal of Nutrition, 2017, 147, 727-745.	2.9	280
32	Animal models of mood disorders: recent developments. Current Opinion in Psychiatry, 2007, 20, 1-7.	6.3	278
33	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
34	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
35	Brainâ€“gutâ€“microbiota axis â€” mood, metabolism and behaviour. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 69-70.	17.8	252
36	Irritable bowel syndrome: A microbiome-gut-brain axis disorder?. World Journal of Gastroenterology, 2014, 20, 14105.	3.3	249

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37	Bacterial Neuroactive Compounds Produced by Psychobiotics. Advances in Experimental Medicine and Biology, 2014, 817, 221-239.	1.6	245
38	Microbiota-Gut-Brain Axis: New Therapeutic Opportunities. Annual Review of Pharmacology and Toxicology, 2020, 60, 477-502.	9.4	227
39	Prenatal stress-induced alterations in major physiological systems correlate with gut microbiota composition in adulthood. Psychoneuroendocrinology, 2015, 60, 58-74.	2.7	224
40	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
41	The Neuroendocrinology of the Microbiota-Gut-Brain Axis: A Behavioural Perspective. Frontiers in Neuroendocrinology, 2018, 51, 80-101.	5.2	218
42	Gut Reactions: Breaking Down Xenobioticâ€“Microbiome Interactions. Pharmacological Reviews, 2019, 71, 198-224.	16.0	211
43	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
44	Microbiota Regulation of the Mammalian Gutâ€“Brain Axis. Advances in Applied Microbiology, 2015, 91, 1-62.	2.4	207
45	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
46	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
47	Ghrelin signalling and obesity: At the interface of stress, mood and food reward. , 2012, 135, 316-326.		194
48	Nutritional psychiatry: Towards improving mental health by what you eat. European Neuropsychopharmacology, 2019, 29, 1321-1332.	0.7	191
49	The future of rodent models in depression research. Nature Reviews Neuroscience, 2019, 20, 686-701.	10.2	178
50	Role of adult hippocampal neurogenesis in stress resilience. Neurobiology of Stress, 2015, 1, 147-155.	4.0	165
51	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
52	Gut Microbiota: The Conductor in the Orchestra of Immuneâ€“Neuroendocrine Communication. Clinical Therapeutics, 2015, 37, 954-967.	2.5	163
53	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
54	Revisiting Metchnikoff: Age-related alterations in microbiota-gut-brain axis in the mouse. Brain, Behavior, and Immunity, 2017, 65, 20-32.	4.1	158

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55	Brain-gut-microbiota axis: challenges for translation in psychiatry. Annals of Epidemiology, 2016, 26, 366-372.	1.9	157
56	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
57	The Microbiome in Psychology and Cognitive Neuroscience. Trends in Cognitive Sciences, 2018, 22, 611-636.	7.8	148
58	Programming Bugs: Microbiota and the Developmental Origins of Brain Health and Disease. Biological Psychiatry, 2019, 85, 150-163.	1.3	146
59	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
60	Microbe-host interactions: Influence of the gut microbiota on the enteric nervous system. Developmental Biology, 2016, 417, 182-187.	2.0	129
61	Youâ€™ve got male: Sex and the microbiota-gut-brain axis across the lifespan. Frontiers in Neuroendocrinology, 2020, 56, 100815.	5.2	128
62	Immune modulation of the brain-gut-microbe axis. Frontiers in Microbiology, 2014, 5, 146.	3.5	125
63	Focus on the essentials: tryptophan metabolism and the microbiome-gut-brain axis. Current Opinion in Pharmacology, 2019, 48, 137-145.	3.5	119
64	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
65	Stress-Induced Visceral Pain: Toward Animal Models of Irritable-Bowel Syndrome and Associated Comorbidities. Frontiers in Psychiatry, 2015, 6, 15.	2.6	118
66	Short chain fatty acids: Microbial metabolites for gut-brain axis signalling. Molecular and Cellular Endocrinology, 2022, 546, 111572.	3.2	117
67	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
68	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
69	Evaluation of reward processes in an animal model of depression. Psychopharmacology, 2007, 190, 555-568.	3.1	108
70	Association Between Obstetric Mode of Delivery and Autism Spectrum Disorder. JAMA Psychiatry, 2015, 72, 935.	11.0	108
71	Human preservation techniques in anatomy: A 21st century medical education perspective. Clinical Anatomy, 2015, 28, 725-734.	2.7	107
72	More than a Gut Feeling: the Microbiota Regulates Neurodevelopment and Behavior. Neuropsychopharmacology, 2015, 40, 241-242.	5.4	106

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73	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.	5.2	103
74	Mid-life microbiota crises: middle age is associated with pervasive neuroimmune alterations that are reversed by targeting the gut microbiome. Molecular Psychiatry, 2020, 25, 2567-2583.	7.9	102
75	When Rhythms Meet the Blues: Circadian Interactions with the Microbiota-Gut-Brain Axis. Cell Metabolism, 2020, 31, 448-471.	16.2	101
76	Inhibiting neuroinflammation: The role and therapeutic potential of GABA in neuro-immune interactions. Brain, Behavior, and Immunity, 2016, 54, 260-277.	4.1	99
77	Molecular biomarkers of depression. Neuroscience and Biobehavioral Reviews, 2016, 64, 101-133.	6.1	97
78	Post-weaning social isolation of rats leads to long-term disruption of the gut microbiota-immune-brain axis. Brain, Behavior, and Immunity, 2018, 68, 261-273.	4.1	97
79	Shortâ€chain fatty acids and microbiota metabolites attenuate ghrelin receptor signaling. FASEB Journal, 2019, 33, 13546-13559.	0.5	93
80	Born this way: Hippocampal neurogenesis across the lifespan. Aging Cell, 2019, 18, e13007.	6.7	90
81	Gut Microbiota: A Perspective for Psychiatrists. Neuropsychobiology, 2020, 79, 50-62.	1.9	87
82	The vagus nerve modulates BDNF expression and neurogenesis in the hippocampus. European Neuropsychopharmacology, 2018, 28, 307-316.	0.7	86
83	Microbiota and neuroimmune signallingâ€”Metchnikoff to microglia. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 494-496.	17.8	85
84	GABAB Receptors and Depression: Current Status. Advances in Pharmacology, 2010, 58, 427-451.	2.0	82
85	Efficacy and safety of fecal microbiota transplantation for the treatment of diseases other than Clostridium difficile infection: a systematic review and meta-analysis. Gut Microbes, 2020, 12, 1854640.	9.8	81
86	Mining microbes for mental health: Determining the role of microbial metabolic pathways in human brain health and disease. Neuroscience and Biobehavioral Reviews, 2021, 125, 698-761.	6.1	80
87	Protein Quality and the Protein to Carbohydrate Ratio within a High Fat Diet Influences Energy Balance and the Gut Microbiota In C57BL/6J Mice. PLoS ONE, 2014, 9, e88904.	2.5	77
88	Faster, better, stronger: Towards new antidepressant therapeutic strategies. European Journal of Pharmacology, 2015, 753, 32-50.	3.5	77
89	GABAB receptors as a therapeutic strategy in substance use disorders: Focus on positive allosteric modulators. Neuropharmacology, 2015, 88, 36-47.	4.1	76
90	Obstetrical Mode of Delivery and Childhood Behavior and Psychological Development in a British Cohort. Journal of Autism and Developmental Disorders, 2016, 46, 603-614.	2.7	76

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91	Gut microbiome correlates with altered striatal dopamine receptor expression in a model of compulsive alcohol seeking. Neuropharmacology, 2018, 141, 249-259.	4.1	76
92	Taking two to tango: a role for ghrelin receptor heterodimerization in stress and reward. Frontiers in Neuroscience, 2013, 7, 148.	2.8	74
93	Intervention strategies for cesarean sectionâ€“induced alterations in the microbiota-gut-brain axis. Nutrition Reviews, 2017, 75, 225-240.	5.8	73
94	Social interaction-induced activation of RNA splicing in the amygdala of microbiome-deficient mice. ELife, 2018, 7, .	6.0	73
95	Understanding neurophobia: Reasons behind impaired understanding and learning of neuroanatomy in crossâ€disciplinary healthcare students. Anatomical Sciences Education, 2018, 11, 81-93.	3.7	72
96	The therapeutic and diagnostic potential of the prostate specific membrane antigen/glutamate carboxypeptidase II (PSMA/GCPII) in cancer and neurological disease. British Journal of Pharmacology, 2016, 173, 3041-3079.	5.4	71
97	Toll-Like Receptor 4 Regulates Chronic Stress-Induced Visceral Pain in Mice. Biological Psychiatry, 2014, 76, 340-348.	1.3	66
98	The Microbiota, the Gut and the Brain in Eating and Alcohol Use Disorders: A â€˜MÃ©nage Ã Troisâ€™?. Alcohol and Alcoholism, 2017, 52, 403-413.	1.6	66
99	Man and the Microbiome: A New Theory of Everything?. Annual Review of Clinical Psychology, 2019, 15, 371-398.	12.3	65
100	Enduring Behavioral Effects Induced by Birth by Caesarean Section in the Mouse. Current Biology, 2020, 30, 3761-3774.e6.	3.9	65
101	Microbiota and sleep: awakening the gut feeling. Trends in Molecular Medicine, 2021, 27, 935-945.	6.7	65
102	Cadaveric anatomy in the future of medical education: What is the surgeons view?. Anatomical Sciences Education, 2016, 9, 203-208.	3.7	64
103	Pharmacotherapy for Neonatal Seizures: Current Knowledge and Future Perspectives. Drugs, 2016, 76, 647-661.	10.9	64
104	Bifidobacterium longum counters the effects of obesity: Partial successful translation from rodent to human. EBioMedicine, 2021, 63, 103176.	6.1	64
105	Blocking Metabotropic Glutamate Receptor Subtype 7 (mGlu7) via the Venus Flytrap Domain (VFTD) Inhibits Amygdala Plasticity, Stress, and Anxiety-related Behavior. Journal of Biological Chemistry, 2014, 289, 10975-10987.	3.4	63
106	n-3 PUFAs have beneficial effects on anxiety and cognition in female rats: Effects of early life stress. Psychoneuroendocrinology, 2015, 58, 79-90.	2.7	63
107	Drunk bugs: Chronic vapour alcohol exposure induces marked changes in the gut microbiome in mice. Behavioural Brain Research, 2017, 323, 172-176.	2.2	63
108	The gut microbiota as a key regulator of visceral pain. Pain, 2017, 158, S19-S28.	4.2	63

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109	Chronic intermittent hypoxia disrupts cardiorespiratory homeostasis and gut microbiota composition in adult male guinea-pigs. EBioMedicine, 2018, 38, 191-205.	6.1	61
110	Early-life stress induces persistent alterations in 5-HT1A receptor and serotonin transporter mRNA expression in the adult rat brain. Frontiers in Molecular Neuroscience, 2014, 7, 24.	2.9	60
111	All Roads Lead to the miRNome: miRNAs Have a Central Role in the Molecular Pathophysiology of Psychiatric Disorders. Trends in Pharmacological Sciences, 2016, 37, 1029-1044.	8.7	60
112	Can we â€˜seizeâ€™ the gut microbiota to treat epilepsy?. Neuroscience and Biobehavioral Reviews, 2019, 107, 750-764.	6.1	60
113	The role of the gut microbiome in the development of schizophrenia. Schizophrenia Research, 2021, 234, 4-23.	2.0	60
114	Microbiotaâ€gutâ€brain axis as a regulator of reward processes. Journal of Neurochemistry, 2021, 157, 1495-1524.	3.9	60
115	Downregulation of Umbilical Cord Blood Levels of miR-374a in Neonatal Hypoxic Ischemic Encephalopathy. Journal of Pediatrics, 2015, 167, 269-273.e2.	1.8	59
116	Investigating causality with fecal microbiota transplantation in rodents: applications, recommendations and pitfalls. Gut Microbes, 2021, 13, 1941711.	9.8	59
117	The Gut Microbiome and Mental Health: What Should We Tell Our Patients?: Le microbiote Intestinal et la SantÃ© Mentale : que Devrions-Nous dire Ã nos Patients?. Canadian Journal of Psychiatry, 2019, 64, 747-760.	1.9	58
118	Feeding melancholic microbes: MyNewGut recommendations on diet and mood. Clinical Nutrition, 2019, 38, 1995-2001.	5.0	58
119	Synthesis and characterization of rabies virus glycoprotein-tagged amphiphilic cyclodextrins for siRNA delivery in human glioblastoma cells: In vitro analysis. European Journal of Pharmaceutical Sciences, 2015, 71, 80-92.	4.0	57
120	Targeting the gut microbiota to influence brain development and function in early life. Neuroscience and Biobehavioral Reviews, 2018, 95, 191-201.	6.1	57
121	Distinct actions of the fermented beverage kefir on host behaviour, immunity and microbiome gut-brain modules in the mouse. Microbiome, 2020, 8, 67.	11.1	55
122	Volatility as a Concept to Understand the Impact of Stress on the Microbiome. Psychoneuroendocrinology, 2021, 124, 105047.	2.7	54
123	Microbiota-brain interactions: Moving toward mechanisms in model organisms. Neuron, 2021, 109, 3930-3953.	8.1	54
124	Resilience priming: Translational models for understanding resiliency and adaptation to early life adversity. Developmental Psychobiology, 2019, 61, 350-375.	1.6	53
125	Irritable Bowel Syndrome and Stress-Related Psychiatric Co-morbidities: Focus on Early Life Stress. Handbook of Experimental Pharmacology, 2017, 239, 219-246.	1.8	52
126	N-3 Polyunsaturated Fatty Acids through the Lifespan: Implication for Psychopathology. International Journal of Neuropsychopharmacology, 2016, 19, pyw078.	2.1	51

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127	The Gamma-Aminobutyric Acid B Receptor in Depression and Reward. Biological Psychiatry, 2018, 83, 963-976.	1.3	51
128	Prebiotics, probiotics, fermented foods and cognitive outcomes: A meta-analysis of randomized controlled trials. Neuroscience and Biobehavioral Reviews, 2020, 118, 472-484.	6.1	50
129	Modulation of TLR3/TLR4 inflammatory signaling by the GABAB receptor agonist baclofen in glia and immune cells: relevance to therapeutic effects in multiple sclerosis. Frontiers in Cellular Neuroscience, 2015, 9, 284.	3.7	49
130	Distinct alterations in motor & reward seeking behavior are dependent on the gestational age of exposure to LPS-induced maternal immune activation. Brain, Behavior, and Immunity, 2017, 63, 21-34.	4.1	49
131	Polyphenols selectively reverse early-life stress-induced behavioural, neurochemical and microbiota changes in the rat. Psychoneuroendocrinology, 2020, 116, 104673.	2.7	49
132	Obstetric mode of delivery and attention-deficit/hyperactivity disorder: a sibling-matched study. International Journal of Epidemiology, 2016, 45, 532-542.	1.9	48
133	The impact of obstetric mode of delivery on childhood behavior. Social Psychiatry and Psychiatric Epidemiology, 2015, 50, 1557-1567.	3.1	47
134	Mood and Microbes. Gastroenterology Clinics of North America, 2019, 48, 389-405.	2.2	47
135	Going with the grain: Fiber, cognition, and the microbiota-gut-brain-axis. Experimental Biology and Medicine, 2021, 246, 796-811.	2.4	47
136	PEGylated cyclodextrins as novel siRNA nanosystems: Correlations between polyethylene glycol length and nanoparticle stability. International Journal of Pharmaceutics, 2014, 473, 105-112.	5.2	45
137	Resilience to chronic stress is associated with specific neurobiological, neuroendocrine and immune responses. Brain, Behavior, and Immunity, 2019, 80, 583-594.	4.1	45
138	Whatâ€™s bugging your teen?â€”The microbiota and adolescent mental health. Neuroscience and Biobehavioral Reviews, 2016, 70, 300-312.	6.1	44
139	Microbial regulation of hippocampal miRNA expression: Implications for transcription of kynurenine pathway enzymes. Behavioural Brain Research, 2017, 334, 50-54.	2.2	44
140	Birth by Caesarean Section and the Risk of Adult Psychosis: A Population-Based Cohort Study. Schizophrenia Bulletin, 2016, 42, 633-641.	4.3	43
141	Dietary phospholipids: Role in cognitive processes across the lifespan. Neuroscience and Biobehavioral Reviews, 2020, 111, 183-193.	6.1	43
142	Medical student perceptions of radiology use in anatomy teaching. Anatomical Sciences Education, 2015, 8, 510-517.	3.7	41
143	Reframing the Teenage Wasteland: Adolescent Microbiota-Gut-Brain Axis. Canadian Journal of Psychiatry, 2016, 61, 214-221.	1.9	41
144	Metformin and Dipeptidyl Peptidase-4 Inhibitor Differentially Modulate the Intestinal Microbiota and Plasma Metabolome of Metabolically Dysfunctional Mice. Canadian Journal of Diabetes, 2020, 44, 146-155.e2.	0.8	41

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145	Delivering a disease-modifying treatment for Huntington's disease. Drug Discovery Today, 2015, 20, 50-64.	6.4	39
146	Prebiotic and probiotic supplementation and the tryptophan-kynurenine pathway: A systematic review and meta analysis. Neuroscience and Biobehavioral Reviews, 2021, 123, 1-13.	6.1	39
147	Guidelines for reporting on animal fecal transplantation (GRAFT) studies: recommendations from a systematic review of murine transplantation protocols. Gut Microbes, 2021, 13, 1979878.	9.8	38
148	The gut microbiome influences the bioavailability of olanzapine in rats. EBioMedicine, 2021, 66, 103307.	6.1	38
149	Manipulation of gut microbiota blunts the ventilatory response to hypercapnia in adult rats. EBioMedicine, 2019, 44, 618-638.	6.1	37
150	A ghrelin receptor and oxytocin receptor heterocomplex impairs oxytocin mediated signalling. Neuropharmacology, 2019, 152, 90-101.	4.1	37
151	Targeted Drug Delivery via Folate Receptors for the Treatment of Brain Cancer: Can the Promise Deliver?. Journal of Pharmaceutical Sciences, 2017, 106, 3413-3420.	3.3	36
152	Sex-dependent associations between addiction-related behaviors and the microbiome in outbred rats. EBioMedicine, 2020, 55, 102769.	6.1	36
153	Gut peptides and the microbiome: focus on ghrelin. Current Opinion in Endocrinology, Diabetes and Obesity, 2021, 28, 243-252.	2.3	36
154	Metabotropic Glutamate Receptors in Central Nervous System Diseases. Current Drug Targets, 2016, 17, 538-616.	2.1	36
155	Monocyte mobilisation, microbiota & mental illness. Brain, Behavior, and Immunity, 2019, 81, 74-91.	4.1	35
156	The microbiome and childhood diseases: Focus on brainâ€gut axis. Birth Defects Research Part C: Embryo Today Reviews, 2015, 105, 296-313.	3.6	34
157	Nuclear deterrents: Intrinsic regulators of IL-1Î² -induced effects on hippocampal neurogenesis. Brain, Behavior, and Immunity, 2017, 66, 394-412.	4.1	34
158	Enhancing glutamatergic transmission during adolescence reverses early-life stress-induced deficits in the rewarding effects of cocaine in rats. Neuropharmacology, 2015, 99, 168-176.	4.1	33
159	Chronic interleukin-1Î² in the dorsal hippocampus impairs behavioural pattern separation. Brain, Behavior, and Immunity, 2018, 74, 252-264.	4.1	33
160	A biological framework for emotional dysregulation in alcohol misuse: from gut to brain. Molecular Psychiatry, 2021, 26, 1098-1118.	7.9	33
161	A Glutamate Pathway to Faster-Acting Antidepressants?. Science, 2010, 329, 913-914.	12.6	32
162	Hippocampal cell fate regulation by chronic cocaine during periods of adolescent vulnerability: Consequences of cocaine exposure during adolescence on behavioral despair in adulthood. Neuroscience, 2015, 304, 302-315.	2.3	31

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163	The microbiome as a key regulator of brain, behavior and immunity: Commentary on the 2017 named series. Brain, Behavior, and Immunity, 2017, 66, 18-22.	4.1	31
164	Gut microbes and depression: Still waiting for Godot. Brain, Behavior, and Immunity, 2019, 79, 1-2.	4.1	31
165	A comparison of embalming fluids on the structures and properties of tissue in human cadavers. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2019, 48, 64-73.	0.7	31
166	Differential effects of adolescent and adultâ€initiated exercise on cognition and hippocampal neurogenesis. Hippocampus, 2019, 29, 352-365.	1.9	30
167	Schizophrenia and the microbiome: Time to focus on the impact of antipsychotic treatment on the gut microbiota. World Journal of Biological Psychiatry, 2018, 19, 568-570.	2.6	29
168	A Microbial Drugstore for Motility. Cell Host and Microbe, 2018, 23, 691-692.	11.0	29
169	A low-cost touchscreen operant chamber using a Raspberry Piâ„¢. Behavior Research Methods, 2018, 50, 2523-2530.	4.0	28
170	A casein hydrolysate increases GLP-1 secretion and reduces food intake. Food Chemistry, 2018, 252, 303-310.	8.2	28
171	Deletion of <scp>TLX</scp> and social isolation impairs exerciseâ€induced neurogenesis in the adolescent hippocampus. Hippocampus, 2018, 28, 3-11.	1.9	28
172	Converging effects of a Bifidobacterium and Lactobacillus probiotic strain on mouse intestinal physiology. American Journal of Physiology - Renal Physiology, 2014, 307, G241-G247.	3.4	27
173	Birth by caesarean section and school performance in Swedish adolescents- a population-based study. BMC Pregnancy and Childbirth, 2017, 17, 121.	2.4	27
174	Decreased sensitivity in adolescent versus adult rats to the antidepressant-like effects of cannabidiol. Psychopharmacology, 2020, 237, 1621-1631.	3.1	27
175	The immune-kynurenine pathway in social anxiety disorder. Brain, Behavior, and Immunity, 2022, 99, 317-326.	4.1	27
176	Maternal antibiotic administration during a critical developmental window has enduring neurobehavioural effects in offspring mice. Behavioural Brain Research, 2021, 404, 113156.	2.2	26
177	Microbially-derived short-chain fatty acids impact astrocyte gene expression in a sex-specific manner. Brain, Behavior, & Immunity - Health, 2021, 16, 100318.	2.5	26
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