John Cryan

List of Publications by Citations

668	56,328	119	217
papers	citations	h-index	g-index
769	68,614	6.6	8.46
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
668	Mind-altering microorganisms: the impact of the gut microbiota on brain and behaviour. *Nature Reviews Neuroscience*, **2012**, 13, 701-12	13.5	2367
667	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, 16050-5	11.5	2017
666	Assessing antidepressant activity in rodents: recent developments and future needs. *Trends in Pharmacological Sciences*, **2002**, 23, 238-45	13.2	1229
665	The microbiome-gut-brain axis during early life regulates the hippocampal serotonergic system in a sex-dependent manner. *Molecular Psychiatry*, **2013**, 18, 666-73	15.1	1040
664	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	9	1037
663	The Microbiota-Gut-Brain Axis. *Physiological Reviews*, **2019**, 99, 1877-2013	47.9	979
662	Serotonin, tryptophan metabolism and the brain-gut-microbiome axis. *Behavioural Brain Research*, **2015**, 277, 32-48	3.4	907
661	The ascent of mouse: advances in modelling human depression and anxiety. *Nature Reviews Drug Discovery*, **2005**, 4, 775-90	64.1	858
660	Assessing substrates underlying the behavioral effects of antidepressants using the modified rat forced swimming test. *Neuroscience and Biobehavioral Reviews*, **2005**, 29, 547-69	9	854
659	Early life stress alters behavior, immunity, and microbiota in rats: implications for irritable bowel syndrome and psychiatric illnesses. *Biological Psychiatry*, **2009**, 65, 263-7	7.9	781
658	Transferring the blues: Depression-associated gut microbiota induces neurobehavioural changes in the rat. *Journal of Psychiatric Research*, **2016**, 82, 109-18	5.2	736
657	Psychobiotics: a novel class of psychotropic. *Biological Psychiatry*, **2013**, 74, 720-6	7.9	645
656	Effects of the probiotic Bifidobacterium infantis in the maternal separation model of depression. *Neuroscience*, **2010**, 170, 1179-88	3.9	630
655	Microbiota and neurodevelopmental windows: implications for brain disorders. *Trends in Molecular Medicine*, **2014**, 20, 509-18	11.5	617
654	Minireview: Gut microbiota: the neglected endocrine organ. *Molecular Endocrinology*, **2014**, 28, 1221-38		584
653	The microbiome-gut-brain axis: from bowel to behavior. *Neurogastroenterology and Motility*, **2011**, 23, 187-92	4	555
652	Microbiota is essential for social development in the mouse. *Molecular Psychiatry*, **2014**, 19, 146-8	15.1	551

651	Gut microbes and the brain: paradigm shift in neuroscience. *Journal of Neuroscience*, **2014**, 34, 15490-6	6.6	515
650	Breaking down the barriers: the gut microbiome, intestinal permeability and stress-related psychiatric disorders. *Frontiers in Cellular Neuroscience*, **2015**, 9, 392	6.1	514
649	Brain-gut-microbe communication in health and disease. *Frontiers in Physiology*, **2011**, 2, 94	4.6	512
648	Using the rat forced swim test to assess antidepressant-like activity in rodents. *Nature Protocols*, **2012**, 7, 1009-14	18.8	496
647	In search of a depressed mouse: utility of models for studying depression-related behavior in genetically modified mice. *Molecular Psychiatry*, **2004**, 9, 326-57	15.1	493
646	Stress & the gut-brain axis: Regulation by the microbiome. *Neurobiology of Stress*, **2017**, 7, 124-136	7.6	450
645	Psychobiotics and the Manipulation of Bacteria-Gut-Brain Signals. *Trends in Neurosciences*, **2016**, 39, 763-781	13.1	446
644	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	7.9	426
643	The Microbiome-Gut-Brain Axis in Health and Disease. *Gastroenterology Clinics of North America*, **2017**, 46, 77-89	4.4	425
642	Gut microbiota depletion from early adolescence in mice: Implications for brain and behaviour. *Brain, Behavior, and Immunity*, **2015**, 48, 165-73	16.6	405
641	Biological and psychological markers of stress in humans: focus on the Trier Social Stress Test. *Neuroscience and Biobehavioral Reviews*, **2014**, 38, 94-124	9	379
640	Microbial genes, brain & behaviour´-´epigenetic regulation of the gut-brain axis. *Genes, Brain and Behavior*, **2014**, 13, 69-86	3.6	377
639	Regulation of the stress response by the gut microbiota: implications for psychoneuroendocrinology. *Psychoneuroendocrinology*, **2012**, 37, 1369-78	5	362
638	The neuropharmacology of butyrate: The bread and butter of the microbiota-gut-brain axis?. *Neurochemistry International*, **2016**, 99, 110-132	4.4	353
637	Gut instincts: microbiota as a key regulator of brain development, ageing and neurodegeneration. *Journal of Physiology*, **2017**, 595, 489-503	3.9	342
636	Don't worry 'B' happy!: a role for GABA(B) receptors in anxiety and depression. *Trends in Pharmacological Sciences*, **2005**, 26, 36-43	13.2	324
635	Regulation of prefrontal cortex myelination by the microbiota. *Translational Psychiatry*, **2016**, 6, e774	8.6	311
634	Collective unconscious: how gut microbes shape human behavior. *Journal of Psychiatric Research*, **2015**, 63, 1-9	5.2	300

633	The microbiome: stress, health and disease. *Mammalian Genome*, **2014**, 25, 49-74	3.2	285
632	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, 3262-8	6.6	285
631	The microbiome: A key regulator of stress and neuroinflammation. *Neurobiology of Stress*, **2016**, 4, 23-33	7.6	276
630	Genetic and pharmacological evidence of a role for GABA(B) receptors in the modulation of anxiety- and antidepressant-like behavior. *Neuropsychopharmacology*, **2004**, 29, 1050-62	8.7	276
629	Maternal separation as a model of brain-gut axis dysfunction. *Psychopharmacology*, **2011**, 214, 71-88	4.7	275
628	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,	5.8	270
627	Kynurenine pathway metabolism and the microbiota-gut-brain axis. *Neuropharmacology*, **2017**, 112, 399-412	5.5	269
626	The gut microbiome in neurological disorders. *Lancet Neurology, The*, **2020**, 19, 179-194	24.1	265
625	Melancholic microbes: a link between gut microbiota and depression?. *Neurogastroenterology and Motility*, **2013**, 25, 713-9	4	263
624	Differential compartmentalization and distinct functions of GABAB receptor variants. *Neuron*, **2006**, 50, 589-601	13.9	262
623	Getting the Hologenome Concept Right: an Eco-Evolutionary Framework for Hosts and Their Microbiomes. *MSystems*, **2016**, 1,	7.6	260
622	Bifidobacteria exert strain-specific effects on stress-related behavior and physiology in BALB/c mice. *Neurogastroenterology and Motility*, **2014**, 26, 1615-27	4	255
621	Adult Hippocampal Neurogenesis Is Regulated by the Microbiome. *Biological Psychiatry*, **2015**, 78, e7-9	7.9	247
620	Differential behavioral effects of the antidepressants reboxetine, fluoxetine, and moclobemide in a modified forced swim test following chronic treatment. *Psychopharmacology*, **2005**, 182, 335-44	4.7	247
619	Bifidobacterium longum 1714 as a translational psychobiotic: modulation of stress, electrophysiology and neurocognition in healthy volunteers. *Translational Psychiatry*, **2016**, 6, e939	8.6	243
618	Feeding the microbiota-gut-brain axis: diet, microbiome, and neuropsychiatry. *Translational Research*, **2017**, 179, 223-244	11	243
617	The microbiota-gut-brain axis in obesity. *The Lancet Gastroenterology and Hepatology*, **2017**, 2, 747-756	18.8	242
616	Short-chain fatty acids: microbial metabolites that alleviate stress-induced brain-gut axis alterations. *Journal of Physiology*, **2018**, 596, 4923-4944	3.9	241

615	Animal models of mood disorders: Recent developments. *Current Opinion in Psychiatry*, **2007**, 20, 1-7	4.9	240
614	Gut microbiota, obesity and diabetes. *Postgraduate Medical Journal*, **2016**, 92, 286-300	2	225
613	Bifidobacteria modulate cognitive processes in an anxious mouse strain. *Behavioural Brain Research* , **2015**, 287, 59-72	3.4	224
612	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, 8186-91	11.5	220
611	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, 18712-7	11.5	218
610	Anxiety, Depression, and the Microbiome: A Role for Gut Peptides. *Neurotherapeutics*, **2018**, 15, 36-59	6.4	218
609	Antidepressant and anxiolytic-like effects in mice lacking the group III metabotropic glutamate receptor mGluR7. *European Journal of Neuroscience*, **2003**, 17, 2409-17	3.5	216
608	The impact of microbiota on brain and behavior: mechanisms & therapeutic potential. *Advances in Experimental Medicine and Biology*, **2014**, 817, 373-403	3.6	197
607	Redistribution of GABAB(1) protein and atypical GABAB responses in GABAB(2)-deficient mice. *Journal of Neuroscience*, **2004**, 24, 6086-97	6.6	197
606	Irritable bowel syndrome: a microbiome-gut-brain axis disorder?. *World Journal of Gastroenterology*, **2014**, 20, 14105-25	5.6	195
605	Gender-dependent consequences of chronic olanzapine in the rat: effects on body weight, inflammatory, metabolic and microbiota parameters. *Psychopharmacology*, **2012**, 221, 155-69	4.7	191
604	Bacterial neuroactive compounds produced by psychobiotics. *Advances in Experimental Medicine and Biology*, **2014**, 817, 221-39	3.6	189
603	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	3.9	185
602	Antidepressant-like behavioral effects mediated by 5-Hydroxytryptamine(2C) receptors. *Journal of Pharmacology and Experimental Therapeutics*, **2000**, 295, 1120-6	4.7	185
601	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	16.6	182
600	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, 17270-5	11.5	182
599	Behavioral characterization of the novel GABAB receptor-positive modulator GS39783 (N,N'-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, 952-63	4.7	181
598	The Trier Social Stress Test: Principles and practice. *Neurobiology of Stress*, **2017**, 6, 113-126	7.6	179

597	Microbiota-Gut-Brain Axis: Modulator of Host Metabolism and Appetite. *Journal of Nutrition*, **2017**, 147, 727-745	4.1	179
596	Gut Microbe to Brain Signaling: What Happens in Vagus*Neuron*, **2019**, 101, 998-1002	13.9	178
595	Bupropion enhances brain reward function and reverses the affective and somatic aspects of nicotine withdrawal in the rat. *Psychopharmacology*, **2003**, 168, 347-58	4.7	178
594	Adult microbiota-deficient mice have distinct dendritic morphological changes: differential effects in the amygdala and hippocampus. *European Journal of Neuroscience*, **2016**, 44, 2654-2666	3.5	178
593	Stress and the Microbiota-Gut-Brain Axis in Visceral Pain: Relevance to Irritable Bowel Syndrome. *CNS Neuroscience and Therapeutics*, **2016**, 22, 102-17	6.8	178
592	Microbiota-related Changes in Bile Acid & Tryptophan Metabolism are Associated with Gastrointestinal Dysfunction in a Mouse Model of Autism. *EBioMedicine*, **2017**, 24, 166-178	8.8	174
591	The age of anxiety: role of animal models of anxiolytic action in drug discovery. *British Journal of Pharmacology*, **2011**, 164, 1129-61	8.6	174
590	Gut-brain axis in 2016: Brain-gut-microbiota axis - mood, metabolism and behaviour. *Nature Reviews Gastroenterology and Hepatology*, **2017**, 14, 69-70	24.2	168
589	Prenatal stress-induced alterations in major physiological systems correlate with gut microbiota composition in adulthood. *Psychoneuroendocrinology*, **2015**, 60, 58-74	5	168
588	Withdrawal from chronic amphetamine induces depressive-like behavioral effects in rodents. *Biological Psychiatry*, **2003**, 54, 49-58	7.9	164
587	Stress resilience during the coronavirus pandemic. *European Neuropsychopharmacology*, **2020**, 35, 12-16	1.2	161
586	May the Force Be With You: The Light and Dark Sides of the Microbiota-Gut-Brain Axis in Neuropsychiatry. *CNS Drugs*, **2016**, 30, 1019-1041	6.7	161
585	Microbes & neurodevelopment--Absence of microbiota during early life increases activity-related transcriptional pathways in the amygdala. *Brain, Behavior, and Immunity*, **2015**, 50, 209-220	16.6	160
584	Communication between gastrointestinal bacteria and the nervous system. *Current Opinion in Pharmacology*, **2012**, 12, 667-72	5.1	160
583	Microbiota regulation of the Mammalian gut-brain axis. *Advances in Applied Microbiology*, **2015**, 91, 1-62	4.9	159
582	Ghrelin signalling and obesity: at the interface of stress, mood and food reward. *Pharmacology & Therapeutics*, **2012**, 135, 316-26	13.9	159
581	Antipsychotics and the gut microbiome: olanzapine-induced metabolic dysfunction is attenuated by antibiotic administration in the rat. *Translational Psychiatry*, **2013**, 3, e309	8.6	157
580	Specific gamma-hydroxybutyrate-binding sites but loss of pharmacological effects of gamma-hydroxybutyrate in GABA(B)(1)-deficient mice. *European Journal of Neuroscience*, **2003**, 18, 2722-30	3.5	152

579	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	6.5	151
578	The impact of gut microbiota on brain and behaviour: implications for psychiatry. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2015**, 18, 552-8	3.8	149
577	Review article: probiotics for the treatment of irritable bowel syndrome--focus on lactic acid bacteria. *Alimentary Pharmacology and Therapeutics*, **2012**, 35, 403-13	6.1	149
576	Feeling strained? Influence of genetic background on depression-related behavior in mice: a review. *Behavior Genetics*, **2007**, 37, 171-213	3.2	146
575	Noradrenergic lesions differentially alter the antidepressant-like effects of reboxetine in a modified forced swim test. *European Journal of Pharmacology*, **2002**, 436, 197-205	5.3	144
574	Exciting times beyond the brain: metabotropic glutamate receptors in peripheral and non-neural tissues. *Pharmacological Reviews*, **2011**, 63, 35-58	22.5	143
573	Microbiota and the social brain. *Science*, **2019**, 366,	33.3	142
572	Irritable bowel syndrome: towards biomarker identification. *Trends in Molecular Medicine*, **2009**, 15, 478-89	12.5	141
571	Omega-3 polyunsaturated fatty acids critically regulate behaviour and gut microbiota development in adolescence and adulthood. *Brain, Behavior, and Immunity*, **2017**, 59, 21-37	16.6	139
570	The probiotic Bifidobacterium infantis 35624 displays visceral antinociceptive effects in the rat. *Neurogastroenterology and Motility*, **2010**, 22, 1029-35, e268	4	139
569	siRNA-mediated knockdown of the serotonin transporter in the adult mouse brain. *Molecular Psychiatry*, **2005**, 10, 782-9, 714	15.1	139
568	Cross Talk: The Microbiota and Neurodevelopmental Disorders. *Frontiers in Neuroscience*, **2017**, 11, 490	5.1	137
567	Gut Reactions: Breaking Down Xenobiotic-Microbiome Interactions. *Pharmacological Reviews*, **2019**, 71, 198-224	22.5	135
566	Interactions between antidepressants and P-glycoprotein at the blood-brain barrier: clinical significance of in vitro and in vivo findings. *British Journal of Pharmacology*, **2012**, 165, 289-312	8.6	135
565	A ventral view on antidepressant action: roles for adult hippocampal neurogenesis along the dorsoventral axis. *Trends in Pharmacological Sciences*, **2014**, 35, 675-87	13.2	130
564	Research review: Birth by caesarean section and development of autism spectrum disorder and attention-deficit/hyperactivity disorder: a systematic review and meta-analysis. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, **2015**, 56, 500-8	7.9	129
563	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	6.6	129
562	Brain-Gut-Microbiota Axis and Mental Health. *Psychosomatic Medicine*, **2017**, 79, 920-926	3.7	129

561	Behavioural and neurochemical consequences of chronic gut microbiota depletion during adulthood in the rat. *Neuroscience*, **2016**, 339, 463-477	3.9	129
560	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	9	125
559	Genomics of schizophrenia: time to consider the gut microbiome?. *Molecular Psychiatry*, **2014**, 19, 1252-7	15.1	125
558	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, 6573-82	6.6	125
557	High-fat diet selectively protects against the effects of chronic social stress in the mouse. *Neuroscience*, **2011**, 192, 351-60	3.9	123
556	Early-life adversity and brain development: Is the microbiome a missing piece of the puzzle?. *Neuroscience*, **2017**, 342, 37-54	3.9	122
555	Gut Microbiota: The Conductor in the Orchestra of Immune-Neuroendocrine Communication. *Clinical Therapeutics*, **2015**, 37, 954-67	3.5	122
554	Priming for health: gut microbiota acquired in early life regulates physiology, brain and behaviour. *Acta Paediatrica, International Journal of Paediatrics*, **2014**, 103, 812-9	3.1	122
553	The Neuroendocrinology of the Microbiota-Gut-Brain Axis: A Behavioural Perspective. *Frontiers in Neuroendocrinology*, **2018**, 51, 80-101	8.9	122
552	Brain-gut-microbiota axis: challenges for translation in psychiatry. *Annals of Epidemiology*, **2016**, 26, 366-72	7.4	120
551	Gut memories: towards a cognitive neurobiology of irritable bowel syndrome. *Neuroscience and Biobehavioral Reviews*, **2012**, 36, 310-40	9	120
550	Microbes, Immunity, and Behavior: Psychoneuroimmunology Meets the Microbiome. *Neuropsychopharmacology*, **2017**, 42, 178-192	8.7	119
549	5-HT1A and beyond: the role of serotonin and its receptors in depression and the antidepressant response. *Human Psychopharmacology*, **2000**, 15, 113-135	2.3	116
548	Region specific decrease in glial fibrillary acidic protein immunoreactivity in the brain of a rat model of depression. *Neuroscience*, **2009**, 159, 915-25	3.9	115
547	Revisiting Metchnikoff: Age-related alterations in microbiota-gut-brain axis in the mouse. *Brain, Behavior, and Immunity*, **2017**, 65, 20-32	16.6	114
546	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, 1112-22	8.7	114
545	Microbiota-Gut-Brain Axis: New Therapeutic Opportunities. *Annual Review of Pharmacology and Toxicology*, **2020**, 60, 477-502	17.9	112
544	Food for thought: The role of nutrition in the microbiota-gut-brain axis. *Clinical Nutrition Experimental*, **2016**, 6, 25-38	2	109

543	N-3 Polyunsaturated Fatty Acids (PUFAs) Reverse the Impact of Early-Life Stress on the Gut Microbiota. *PLoS ONE*, **2015**, 10, e0139721	3.7	108
542	Little things on which happiness depends: microRNAs as novel therapeutic targets for the treatment of anxiety and depression. *Molecular Psychiatry*, **2012**, 17, 359-76	15.1	108
541	Promiscuous dimerization of the growth hormone secretagogue receptor (GHS-R1a) attenuates ghrelin-mediated signaling. *Journal of Biological Chemistry*, **2013**, 288, 181-91	5.4	107
540	Altered anxiety and depression-related behaviour in mice lacking GABAB(2) receptor subunits. *NeuroReport*, **2005**, 16, 307-10	1.7	107
539	Role of adult hippocampal neurogenesis in stress resilience. *Neurobiology of Stress*, **2015**, 1, 147-55	7.6	106
538	Altered peripheral toll-like receptor responses in the irritable bowel syndrome. *Alimentary Pharmacology and Therapeutics*, **2011**, 33, 1045-52	6.1	106
537	"Killing the Blues": a role for cellular suicide (apoptosis) in depression and the antidepressant response?. *Progress in Neurobiology*, **2009**, 88, 246-63	10.9	106
536	GABAB receptor antagonist-mediated antidepressant-like behavior is serotonin-dependent. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 312, 290-6	4.7	106
535	A gut (microbiome) feeling about the brain. *Current Opinion in Gastroenterology*, **2016**, 32, 96-102	3	106
534	A Gut Feeling about GABA: Focus on GABA(B) Receptors. *Frontiers in Pharmacology*, **2010**, 1, 124	5.6	105
533	mGluR7 facilitates extinction of aversive memories and controls amygdala plasticity. *Molecular Psychiatry*, **2008**, 13, 970-9	15.1	105
532	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, 2570-6	0.7	102
531	Programming Bugs: Microbiota and the Developmental Origins of Brain Health and Disease. *Biological Psychiatry*, **2019**, 85, 150-163	7.9	101
530	Friends with social benefits: host-microbe interactions as a driver of brain evolution and development?. *Frontiers in Cellular and Infection Microbiology*, **2014**, 4, 147	5.9	101
529	The rostral anterior cingulate cortex modulates the efficiency of amygdala-dependent fear learning. *Biological Psychiatry*, **2008**, 63, 821-31	7.9	99
528	Stress-induced visceral pain: toward animal models of irritable-bowel syndrome and associated comorbidities. *Frontiers in Psychiatry*, **2015**, 6, 15	5	98
527	The microbiome regulates amygdala-dependent fear recall. *Molecular Psychiatry*, **2018**, 23, 1134-1144	15.1	97
526	The Microbiome in Psychology and Cognitive Neuroscience. *Trends in Cognitive Sciences*, **2018**, 22, 611-636	14	97

525	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, 2065-72	8.7	97
524	Differential effects of psychotropic drugs on microbiome composition and gastrointestinal function. *Psychopharmacology*, **2019**, 236, 1671-1685	4.7	95
523	Microbial regulation of microRNA expression in the amygdala and prefrontal cortex. *Microbiome*, **2017**, 5, 102	16.6	94
522	Microbe-host interactions: Influence of the gut microbiota on the enteric nervous system. *Developmental Biology*, **2016**, 417, 182-7	3.1	94
521	Making Sense of the Microbiome in Psychiatry. *International Journal of Neuropsychopharmacology*, **2019**, 22, 37-52	5.8	94
520	Do interactions between stress and immune responses lead to symptom exacerbations in irritable bowel syndrome?. *Brain, Behavior, and Immunity*, **2011**, 25, 1333-41	16.6	94
519	The future of rodent models in depression research. *Nature Reviews Neuroscience*, **2019**, 20, 686-701	13.5	92
518	Evaluation of reward processes in an animal model of depression. *Psychopharmacology*, **2007**, 190, 555-68	4.7	92
517	A natural solution for obesity: bioactives for the prevention and treatment of weight gain. A review. *Nutritional Neuroscience*, **2015**, 18, 49-65	3.6	91
516	Gut microbiota, the pharmabiotics they produce and host health. *Proceedings of the Nutrition Society*, **2014**, 73, 477-89	2.9	91
515	Immune modulation of the brain-gut-microbe axis. *Frontiers in Microbiology*, **2014**, 5, 146	5.7	91
514	Distinct alterations in colonic morphology and physiology in two rat models of enhanced stress-induced anxiety and depression-like behaviour. *Stress*, **2010**, 13, 114-22	3	89
513	Tryptophan degradation in irritable bowel syndrome: evidence of indoleamine 2,3-dioxygenase activation in a male cohort. *BMC Gastroenterology*, **2009**, 9, 6	3	89
512	Probiotic modulation of the microbiota-gut-brain axis and behaviour in zebrafish. *Scientific Reports*, **2016**, 6, 30046	4.9	89
511	Lean mean fat reducing "ghrelin" machine: hypothalamic ghrelin and ghrelin receptors as therapeutic targets in obesity. *Neuropharmacology*, **2010**, 58, 2-16	5.5	88
510	Self-assembling modified cyclodextrin nanoparticles as neuronal siRNA delivery vectors: focus on Huntington's disease. *Molecular Pharmaceutics*, **2013**, 10, 640-9	5.6	85
509	Adding fuel to the fire: the impact of stress on the ageing brain. *Trends in Neurosciences*, **2015**, 38, 13-25	13.3	84
508	Tryptophan catabolism in females with irritable bowel syndrome: relationship to interferon-gamma, severity of symptoms and psychiatric co-morbidity. *Neurogastroenterology and Motility*, **2008**, 20, 1291-7	4	84

507	Association Between Obstetric Mode of Delivery and Autism Spectrum Disorder: A Population-Based Sibling Design Study. *JAMA Psychiatry*, **2015**, 72, 935-42	14.5	83
506	Ghrelin's Orexigenic Effect Is Modulated via a Serotonin 2C Receptor Interaction. *ACS Chemical Neuroscience*, **2015**, 6, 1186-97	5.7	83
505	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. *Ageing Research Reviews*, **2018**, 42, 40-55	12	83
504	More than a gut feeling: the microbiota regulates neurodevelopment and behavior. *Neuropsychopharmacology*, **2015**, 40, 241-2	8.7	82
503	Nutritional psychiatry: Towards improving mental health by what you eat. *European Neuropsychopharmacology*, **2019**, 29, 1321-1332	1.2	82
502	A psychology of the human brain-gut-microbiome axis. *Social and Personality Psychology Compass*, **2017**, 11, e12309	3	81
501	From Belly to Brain: Targeting the Ghrelin Receptor in Appetite and Food Intake Regulation. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	81
500	microRNAs as novel antidepressant targets: converging effects of ketamine and electroconvulsive shock therapy in the rat hippocampus. *International Journal of Neuropsychopharmacology*, **2013**, 16, 1885-92	5.8	80
499	Increased sensitivity to the effects of chronic social defeat stress in an innately anxious mouse strain. *Neuroscience*, **2011**, 192, 524-36	3.9	80
498	Antidepressant-like effects of the novel, selective, 5-HT2C receptor agonist WAY-163909 in rodents. *Psychopharmacology*, **2007**, 192, 159-70	4.7	80
497	Microbiota regulates visceral pain in the mouse. *ELife*, **2017**, 6,	8.9	78
496	A sustained hypothalamic-pituitary-adrenal axis response to acute psychosocial stress in irritable bowel syndrome. *Psychological Medicine*, **2014**, 44, 3123-34	6.9	78
495	Reply to McLean et al. and Burnet: The microbiome-gut-brain axis as a pathway toward next generation psychotropics. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E176-E176	11.5	78
494	Schizophrenia patients with a history of childhood trauma have a pro-inflammatory phenotype. *Psychological Medicine*, **2012**, 42, 1865-71	6.9	77
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