Christopher A Lowry

List of Publications by Year
in descending order

211 papers	10,868 citations	19657 61 h-index	39675 94 g-index
218 all docs	218 docs citations	218 times ranked	10657 citing authors

#	Article	IF	Citations
1	Tryptophan metabolism in the central nervous system: medical implications. Expert Reviews in Molecular Medicine, 2006, 8, 1-27.	3.9	349
2	MicroRNA 135 Is Essential for Chronic Stress Resiliency, Antidepressant Efficacy, and Intact Serotonergic Activity. Neuron, 2014, 83, 344-360.	8.1	321
3	Modulation of anxiety circuits by serotonergic systems. Stress, 2005, 8, 233-246.	1.8	266
4	Sex differences in anxiety and emotional behavior. Pflugers Archiv European Journal of Physiology, 2013, 465, 601-626.	2.8	263
5	Anatomic and Functional Topography of the Dorsal Raphe Nucleus. Annals of the New York Academy of Sciences, 2004, 1018, 46-57.	3.8	252
6	Serotonergic Systems, Anxiety, and Affective Disorder. Annals of the New York Academy of Sciences, 2008, 1148, 86-94.	3.8	240
7	Corticotropin-Releasing Factor IncreasesIn VitroFiring Rates of Serotonergic Neurons in the Rat Dorsal Raphe Nucleus: Evidence for Activation of a Topographically Organized Mesolimbocortical Serotonergic System. Journal of Neuroscience, 2000, 20, 7728-7736.	3.6	204
8	Functional topography of midbrain and pontine serotonergic systems: implications for synaptic regulation of serotonergic circuits. Psychopharmacology, 2011, 213, 243-264.	3.1	201
9	Immunization with a heat-killed preparation of the environmental bacterium Mycobacterium vaccae promotes stress resilience in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3130-9.	7.1	186
10	Consequences of post-weaning social isolation on anxiety behavior and related neural circuits in rodents. Frontiers in Behavioral Neuroscience, 2009, 3, 18.	2.0	184
11	Serotonergic systems associated with arousal and vigilance behaviors following administration of anxiogenic drugs. Neuroscience, 2005, 133, 983-997.	2.3	177
12	Chronic anthropogenic noise disrupts glucocorticoid signaling and has multiple effects on fitness in an avian community. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E648-E657.	7.1	169
13	Microbial â€˜Old Friendsâ€™, immunoregulation and stress resilience. Evolution, Medicine and Public Health, 2013, 2013, 46-64.	2.5	167
14	Stress-related Serotonergic Systems: Implications for Symptomatology of Anxiety and Affective Disorders. Cellular and Molecular Neurobiology, 2012, 32, 695-708.	3.3	163
15	Early life experience alters behavior during social defeat: Focus on serotonergic systems. Neuroscience, 2005, 136, 181-191.	2.3	159
16	Inflammation, Sanitation, and Consternation. Archives of General Psychiatry, 2010, 67, 1211.	12.3	153
17	The Microbiome in Posttraumatic Stress Disorder and Trauma-Exposed Controls: An Exploratory Study. Psychosomatic Medicine, 2017, 79, 936-946.	2.0	153
18	The Microbiota, Immunoregulation, and Mental Health: Implications for Public Health. Current Environmental Health Reports, 2016, 3, 270-286.	6.7	150

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19	Identification of an immune-responsive mesolimbocortical serotonergic system: Potential role in regulation of emotional behavior. Neuroscience, 2007, 146, 756-772.	2.3	148
20	Differential effects of exposure to low-light or high-light open-field on anxiety-related behaviors: Relationship to c-Fos expression in serotonergic and non-serotonergic neurons in the dorsal raphe nucleus. Brain Research Bulletin, 2007, 72, 32-43.	3.0	144
21	Circadian and wakefulness-sleep modulation of cognition in humans. Frontiers in Molecular Neuroscience, 2012, 5, 50.	2.9	142
22	Regulation of behavioral responses by corticotropin-releasing factor. General and Comparative Endocrinology, 2006, 146, 19-27.	1.8	131
23	Corticosterone-Sensitive Monoamine Transport in the Rat Dorsomedial Hypothalamus: Potential Role for Organic Cation Transporter 3 in Stress-Induced Modulation of Monoaminergic Neurotransmission. Journal of Neuroscience, 2006, 26, 8758-8766.	3.6	124
24	Functional topography of serotonergic systems supports the Deakin/Graeff hypothesis of anxiety and affective disorders. Journal of Psychopharmacology, 2013, 27, 1090-1106.	4.0	117
25	The hygiene hypothesis and psychiatric disorders. Trends in Immunology, 2008, 29, 150-158.	6.8	110
26	The Gut Microbiome and Mental Health: Implications for Anxiety- and Trauma-Related Disorders. OMICS A Journal of Integrative Biology, 2018, 22, 90-107.	2.0	110
27	Whole-Body Hyperthermia for the Treatment of Major Depressive Disorder. JAMA Psychiatry, 2016, 73, 789.	11.0	102
28	Distribution of organic cation transporter 3, a corticosteroneâ€sensitive monoamine transporter, in the rat brain. Journal of Comparative Neurology, 2009, 512, 529-555.	1.6	101
29	Microbiota, Immunoregulatory Old Friends and Psychiatric Disorders. Advances in Experimental Medicine and Biology, 2014, 817, 319-356.	1.6	96
30	Activation of the Orexin 1 Receptor is a Critical Component of CO2-Mediated Anxiety and Hypertension but not Bradycardia. Neuropsychopharmacology, 2012, 37, 1911-1922.	5.4	95
31	Orexin 1 receptors are a novel target to modulate panic responses and the panic brain network. Physiology and Behavior, 2012, 107, 733-742.	2.1	95
32	Corticotropinâ€releasing factor in the dorsal raphe nucleus increases medial prefrontal cortical serotonin via type 2 receptors and median raphe nucleus activity. European Journal of Neuroscience, 2008, 28, 299-310.	2.6	94
33	A Functional Subset of Serotonergic Neurons in the Rat Ventrolateral Periaqueductal Gray Implicated in the Inhibition of Sympathoexcitation and Panic. Annals of the New York Academy of Sciences, 2004, 1018, 58-64.	3.8	91
34	Adverse experience during early life and adulthood interact to elevate tph2 mRNA expression in serotonergic neurons within the dorsal raphe nucleus. Neuroscience, 2009, 163, 991-1001.	2.3	89
35	A triple urocortin knockout mouse model reveals an essential role for urocortins in stress recovery. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19020-19025.	7.1	89
36	Pharmacology of the Î²â€Carboline FGâ€7142, a Partial Inverse Agonist at the Benzodiazepine Allosteric Site of the GABA_A Receptor: Neurochemical, Neurophysiological, and Behavioral Effects. CNS Neuroscience & Therapeutics, 2007, 13, 475-501.	4.0	87

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37	Neural Pathways Underlying Lactate-Induced Panic. Neuropsychopharmacology, 2008, 33, 2093-2107.	5.4	79
38	Exposure to an open-field arena increases c-Fos expression in a subpopulation of neurons in the dorsal raphe nucleus, including neurons projecting to the basolateral amygdaloid complex. Neuroscience, 2008, 157, 733-748.	2.3	78
39	Repeated social defeat increases reactive emotional coping behavior and alters functional responses in serotonergic neurons in the rat dorsal raphe nucleus. Physiology and Behavior, 2011, 104, 272-282.	2.1	78
40	Hygiene and other early childhood influences on the subsequent function of the immune system. Brain Research, 2015, 1617, 47-62.	2.2	78
41	Disruption of GABAergic tone in the dorsomedial hypothalamus attenuates responses in a subset of serotonergic neurons in the dorsal raphe nucleus following lactate-induced panic. Journal of Psychopharmacology, 2008, 22, 642-652.	4.0	77
42	Serotonin transporter gene, stress and rapheâ€“raphe interactions: a molecular mechanism of depression. Trends in Neurosciences, 2012, 35, 395-402.	8.6	77
43	Adverse early life experience and social stress during adulthood interact to increase serotonin transporter mRNA expression. Brain Research, 2009, 1305, 47-63.	2.2	76
44	Acute hypercarbic gas exposure reveals functionally distinct subpopulations of serotonergic neurons in rats. Journal of Psychopharmacology, 2005, 19, 327-341.	4.0	75
45	Corticotropin-releasing factor-related peptides, serotonergic systems, and emotional behavior. Frontiers in Neuroscience, 2013, 7, 169.	2.8	75
46	Exposure to high- and low-light conditions in an open-field test of anxiety increases c-Fos expression in specific subdivisions of the rat basolateral amygdaloid complex. Brain Research Bulletin, 2006, 71, 174-182.	3.0	74
47	That warm fuzzy feeling: brain serotonergic neurons and the regulation of emotion. Journal of Psychopharmacology, 2009, 23, 392-400.	4.0	74
48	Uncontrollable, But Not Controllable, Stress Desensitizes 5-HT_{1A}Receptors in the Dorsal Raphe Nucleus. Journal of Neuroscience, 2011, 31, 14107-14115.	3.6	74
49	Urocortin 2 increases c-Fos expression in topographically organized subpopulations of serotonergic neurons in the rat dorsal raphe nucleus. Brain Research, 2005, 1044, 176-189.	2.2	72
50	The microbiome of the built environment and mental health. Microbiome, 2015, 3, 60.	11.1	72
51	Exposure to an open-field arena increases c-Fos expression in a distributed anxiety-related system projecting to the basolateral amygdaloid complex. Neuroscience, 2008, 155, 659-672.	2.3	71
52	The Canmore Declaration: Statement of Principles for Planetary Health. Challenges, 2018, 9, 31.	1.7	70
53	Evidence supporting a role for corticotropin-releasing factor type 2 (CRF2) receptors in the regulation of subpopulations of serotonergic neurons. Brain Research, 2006, 1070, 77-89.	2.2	69
54	The Deakin/Graeff hypothesis: Focus on serotonergic inhibition of panic. Neuroscience and Biobehavioral Reviews, 2014, 46, 379-396.	6.1	69

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55	Induction of c-Fos in â€˜panic/defenceâ€™-related brain circuits following brief hypercarbic gas exposure. Journal of Psychopharmacology, 2011, 25, 26-36.	4.0	68
56	Individual differences in stress vulnerability: The role of gut pathobionts in stress-induced colitis. Brain, Behavior, and Immunity, 2017, 64, 23-32.	4.1	68
57	Ten questions concerning the built environment and mental health. Building and Environment, 2019, 155, 58-69.	6.9	68
58	Injections of urocortin 1 into the basolateral amygdala induce anxiety-like behavior and c-Fos expression in brainstem serotonergic neurons. Neuroscience, 2006, 138, 1265-1276.	2.3	67
59	Chronic non-invasive corticosterone administration abolishes the diurnal pattern of tph2 expression. Psychoneuroendocrinology, 2012, 37, 645-661.	2.7	66
60	Immunization with Mycobacterium vaccae induces an anti-inflammatory milieu in the CNS: Attenuation of stress-induced microglial priming, alarmins and anxiety-like behavior. Brain, Behavior, and Immunity, 2018, 73, 352-363.	4.1	66
61	Multiple anxiogenic drugs recruit a parvalbumin-containing subpopulation of GABAergic interneurons in the basolateral amygdala. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 1285-1293.	4.8	65
62	Sexual Dimorphism in Numbers of Vasotocin-Immunoreactive Neurons in Brain Areas Associated with Reproductive Behaviors in the Roughskin Newt. General and Comparative Endocrinology, 2000, 117, 281-298.	1.8	63
63	Greater glucocorticoid receptor activation in hippocampus of aged rats sensitizes microglia. Neurobiology of Aging, 2015, 36, 1483-1495.	3.1	62
64	Less immune activation following social stress in rural vs. urban participants raised with regular or no animal contact, respectively. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5259-5264.	7.1	62
65	Corticotropin-Releasing Factor Enhances Locomotion and Medullary Neuronal Firing in an Amphibian. Hormones and Behavior, 1996, 30, 50-59.	2.1	61
66	Tryptophan Metabolism and White Matter Integrity in Schizophrenia. Neuropsychopharmacology, 2016, 41, 2587-2595.	5.4	60
67	Rapid Changes in Monoamine Levels Following Administration of Corticotropin-Releasing Factor or Corticosterone Are Localized in the Dorsomedial Hypothalamus. Hormones and Behavior, 2001, 39, 195-205.	2.1	59
68	Investigation of a central nucleus of the amygdala/dorsal raphe nucleus serotonergic circuit implicated in fear-potentiated startle. Neuroscience, 2011, 179, 104-119.	2.3	56
69	MicroRNA-19b Associates with Ago2 in the Amygdala Following Chronic Stress and Regulates the Adrenergic Receptor Beta 1. Journal of Neuroscience, 2014, 34, 15070-15082.	3.6	56
70	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. PLoS ONE, 2020, 15, e0229001.	2.5	56
71	Whole-Body Hyperthermia for the Treatment of Major Depression: Associations With Thermoregulatory Cooling. American Journal of Psychiatry, 2013, 170, 802-804.	7.2	55
72	Chronic subordinate colony housing paradigm: A mouse model for mechanisms of PTSD vulnerability, targeted prevention, and treatmentâ€”2016 Curt Richter Award Paper. Psychoneuroendocrinology, 2016, 74, 221-230.	2.7	55

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73	Growing literature but limited evidence: A systematic review regarding prebiotic and probiotic interventions for those with traumatic brain injury and/or posttraumatic stress disorder. Brain, Behavior, and Immunity, 2017, 65, 57-67.	4.1	55
74	An empirically derived method for measuring human gut microbiome alpha diversity: Demonstrated utility in predicting health-related outcomes among a human clinical sample. PLoS ONE, 2020, 15, e0229204.	2.5	54
75	Neuroanatomical distribution of vasotocin in a urodele amphibian (Taricha granulosa) revealed by immunohistochemical and in situ hybridization techniques. Journal of Comparative Neurology, 1997, 385, 43-70.	1.6	52
76	Lipopolysaccharide has indomethacin-sensitive actions on Fos expression in topographically organized subpopulations of serotonergic neurons. Brain, Behavior, and Immunity, 2006, 20, 569-577.	4.1	52
77	Integrative physiology of depression and antidepressant drug action: Implications for serotonergic mechanisms of action and novel therapeutic strategies for treatment of depression. , 2013, 137, 108-118.		50
78	Anatomical and functional evidence for a stress-responsive, monoamine-accumulating area in the dorsomedial hypothalamus of adult rat brain. Hormones and Behavior, 2003, 43, 254-262.	2.1	49
79	Evidence for in vivo thermosensitivity of serotonergic neurons in the rat dorsal raphe nucleus and raphe pallidus nucleus implicated in thermoregulatory cooling. Experimental Neurology, 2011, 227, 264-278.	4.1	49
80	ELEVATED tph2 mRNA EXPRESSION IN A RAT MODEL OF CHRONIC ANXIETY. Depression and Anxiety, 2012, 29, 307-319.	4.1	49
81	Pharmacological depletion of serotonin in the basolateral amygdala complex reduces anxiety and disrupts fear conditioning. Pharmacology Biochemistry and Behavior, 2015, 138, 174-179.	2.9	48
82	Swim stress activates serotonergic and nonserotonergic neurons in specific subdivisions of the rat dorsal raphe nucleus in a temperature-dependent manner. Neuroscience, 2011, 197, 251-268.	2.3	47
83	The Microbiome of the Built Environment and Human Behavior. International Review of Neurobiology, 2016, 131, 289-323.	2.0	47
84	Mycobacterium vaccae immunization protects aged rats from surgery-elicited neuroinflammation and cognitive dysfunction. Neurobiology of Aging, 2018, 71, 105-114.	3.1	45
85	Old Friends, immunoregulation, and stress resilience. Pflugers Archiv European Journal of Physiology, 2019, 471, 237-269.	2.8	45
86	Local inhibition of organic cation transporters increases extracellular serotonin in the medial hypothalamus. Brain Research, 2005, 1063, 69-76.	2.2	44
87	Serotonergic systems in the balance: CRHR1 and CRHR2 differentially control stress-induced serotonin synthesis. Psychoneuroendocrinology, 2016, 63, 178-190.	2.7	44
88	Preimmunization with a heat-killed preparation of Mycobacterium vaccae enhances fear extinction in the fear-potentiated startle paradigm. Brain, Behavior, and Immunity, 2017, 66, 70-84.	4.1	43
89	Effects of corticotropin-releasing factor (CRF) and opiates on amphibian locomotion. Brain Research, 1990, 513, 94-100.	2.2	40
90	Mental Health in Allergic Rhinitis: Depression and Suicidal Behavior. Current Treatment Options in Allergy, 2017, 4, 71-97.	2.2	40

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91	Lymphocytes in neuroprotection, cognition and emotion: Is intolerance really the answer?. Brain, Behavior, and Immunity, 2011, 25, 591-601.	4.1	39
92	Somatic influences on subjective well-being and affective disorders: the convergence of thermosensory and central serotonergic systems. Frontiers in Psychology, 2014, 5, 1580.	2.1	38
93	Finding intestinal fortitude: Integrating the microbiome into a holistic view of depression mechanisms, treatment, and resilience. Neurobiology of Disease, 2020, 135, 104578.	4.4	38
94	Evidence for serotonin synthesis-dependent regulation of in vitro neuronal firing rates in the midbrain raphe complex. European Journal of Pharmacology, 2008, 590, 136-149.	3.5	37
95	Post-weaning social isolation of female rats, anxiety-related behavior, and serotonergic systems. Brain Research, 2012, 1443, 1-17.	2.2	36
96	Current understanding of fear learning and memory in humans and animal models and the value of a linguistic approach for analyzing fear learning and memory in humans. Neuroscience and Biobehavioral Reviews, 2019, 105, 136-177.	6.1	36
97	Inflammation in Traumatic Brain Injury. Journal of Alzheimer's Disease, 2020, 74, 1-28.	2.6	36
98	Can we vaccinate against depression?. Drug Discovery Today, 2012, 17, 451-458.	6.4	34
99	Ruminiclostridium 5, Parabacteroides distasonis, and bile acid profile are modulated by prebiotic diet and associate with facilitated sleep/clock realignment after chronic disruption of rhythms. Brain, Behavior, and Immunity, 2021, 97, 150-166.	4.1	34
100	Urocortin 2 increases c-Fos expression in serotonergic neurons projecting to the ventricular/periventricular system. Experimental Neurology, 2010, 224, 271-281.	4.1	33
101	Chronic Activation of Corticotropin-Releasing Factor Type 2 Receptors Reveals a Key Role for 5-HT1A Receptor Responsiveness in Mediating Behavioral and Serotonergic Responses to Stressful Challenge. Biological Psychiatry, 2012, 72, 437-447.	1.3	33
102	Longitudinal homogenization of the microbiome between both occupants and the built environment in a cohort of United States Air Force Cadets. Microbiome, 2019, 7, 70.	11.1	33
103	Topographic organization and chemoarchitecture of the dorsal raphe nucleus and the median raphe nucleus. , 2008, , 25-67.		33
104	A brief review on the mental health for select elements of the built environment. Indoor and Built Environment, 2021, 30, 152-165.	2.8	32
105	Steroid-neuropeptide interactions that control reproductive behaviors in an amphibian. Psychoneuroendocrinology, 1994, 19, 581-592.	2.7	30
106	Organic cation transporter 3: A cellular mechanism underlying rapid, non-genomic glucocorticoid regulation of monoaminergic neurotransmission, physiology, and behavior. Hormones and Behavior, 2018, 104, 173-182.	2.1	30
107	Catecholamines and Indoleamines in the Central Nervous System of a Urodele Amphibian: A Microdissection Study with Emphasis on the Distribution of Epinephrine (Part 1 of 2). Brain, Behavior and Evolution, 1996, 48, 70-81.	1.7	29
108	Topographical distribution of corticotropin-releasing factor type 2 receptor-like immunoreactivity in the rat dorsal raphe nucleus: co-localization with tryptophan hydroxylase. Neuroscience, 2011, 183, 47-63.	2.3	29

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109	Combined Toxoplasma gondii seropositivity and high blood kynurenine â€“ Linked with nonfatal suicidal self-directed violence in patients with schizophrenia. Journal of Psychiatric Research, 2016, 72, 74-81.	3.1	29
110	Post-weaning social isolation attenuates c-Fos expression in GABAergic interneurons in the basolateral amygdala of adult female rats. Physiology and Behavior, 2012, 107, 719-725.	2.1	28
111	Identification and characterization of a novel anti-inflammatory lipid isolated from Mycobacterium vaccae, a soil-derived bacterium with immunoregulatory and stress resilience properties. Psychopharmacology, 2019, 236, 1653-1670.	3.1	28
112	Local perfusion of corticosterone in the rat medial hypothalamus potentiates d-fenfluramine-induced elevations of extracellular 5-HT concentrations. Hormones and Behavior, 2009, 56, 149-157.	2.1	27
113	Acoustic stimulation in vivo and corticotropin-releasing factor in vitro increase tryptophan hydroxylase activity in the rat caudal dorsal raphe nucleus. Neuroscience Letters, 2009, 455, 36-41.	2.1	27
114	Panic and hypertension: brothers in arms through 5-HT?. Journal of Psychopharmacology, 2007, 21, 563-566.	4.0	26
115	DevelopmentÃ—environment interactions control tph2 mRNA expression. Neuroscience, 2013, 237, 139-150.	2.3	26
116	Increased anxiety in corticotropin-releasing factor type 2 receptor-null mice requires recent acute stress exposure and is associated with dysregulated serotonergic activity in limbic brain areas. Biology of Mood & Anxiety Disorders, 2014, 4, 1.	4.7	26
117	Two models of inescapable stress increase tph2 mRNA expression in the anxiety-related dorsomedial part of the dorsal raphe nucleus. Neurobiology of Stress, 2018, 8, 68-81.	4.0	26
118	Exploring the relationship between the gut microbiome and mental health outcomes in a posttraumatic stress disorder cohort relative to trauma-exposed controls. European Neuropsychopharmacology, 2022, 56, 24-38.	0.7	26
119	The Role of the Oral Microbiota Related to Periodontal Diseases in Anxiety, Mood and Trauma- and Stress-Related Disorders. Frontiers in Psychiatry, 2021, 12, 814177.	2.6	26
120	Could Probiotics Be Used to Mitigate Neuroinflammation?. ACS Chemical Neuroscience, 2019, 10, 13-15.	3.5	25
121	Serotonin Deficiency Increases Context-Dependent Fear Learning Through Modulation of Hippocampal Activity. Frontiers in Neuroscience, 2019, 13, 245.	2.8	25
122	Organic cation transporter inhibition increases medial hypothalamic serotonin under basal conditions and during mild restraint. Brain Research, 2010, 1326, 105-113.	2.2	24
123	Fluoxetine inhibits corticotropin-releasing factor (CRF)-induced behavioural responses in rats. Stress, 2009, 12, 225-239.	1.8	23
124	Development by environment interactions controlling tryptophan hydroxylase expression. Journal of Chemical Neuroanatomy, 2011, 41, 219-226.	2.1	23
125	Acute Administration of the Nonpathogenic, Saprophytic Bacterium, Mycobacterium vaccae, Induces Activation of Serotonergic Neurons in the Dorsal Raphe Nucleus and Antidepressant-Like Behavior in Association with Mild Hypothermia. Cellular and Molecular Neurobiology, 2018, 38, 289-304.	3.3	23
126	Anxiogenic drug administration and elevated plus-maze exposure in rats activate populations of relaxin-3 neurons in the nucleus incertus and serotonergic neurons in the dorsal raphe nucleus. Neuroscience, 2015, 303, 270-284.	2.3	22

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127	Subcutaneous Mycobacterium vaccae promotes resilience in a mouse model of chronic psychosocial stress when administered prior to or during psychosocial stress. Brain, Behavior, and Immunity, 2020, 87, 309-317.	4.1	22
128	Influence of chronic amphetamine treatment and acute withdrawal on serotonin synthesis and clearance mechanisms in the rat ventral hippocampus. European Journal of Neuroscience, 2013, 37, 479-490.	2.6	20
129	Intranasal Mycobacterium vaccae administration prevents stress-induced aggravation of dextran sulfate sodium (DSS) colitis. Brain, Behavior, and Immunity, 2019, 80, 595-604.	4.1	20
130	Traumatic Brain Injury and Suicidal Behavior: A Review. Journal of Alzheimer's Disease, 2019, 68, 1339-1370.	2.6	20
131	Evidence that preimmunization with a heat-killed preparation of Mycobacterium vaccae reduces corticotropin-releasing hormone mRNA expression in the extended amygdala in a fear-potentiated startle paradigm. Brain, Behavior, and Immunity, 2019, 77, 127-140.	4.1	19
132	Toxoplasma gondii, Suicidal Behavior, and Intermediate Phenotypes for Suicidal Behavior. Frontiers in Psychiatry, 2021, 12, 665682.	2.6	19
133	Treatment with a heat-killed preparation of Mycobacterium vaccae after fear conditioning enhances fear extinction in the fear-potentiated startle paradigm. Brain, Behavior, and Immunity, 2019, 81, 151-160.	4.1	18
134	The anxiogenic drug FG-7142 increases serotonin metabolism in the rat medial prefrontal cortex. Pharmacology Biochemistry and Behavior, 2006, 84, 266-274.	2.9	17
135	Serotonin and the Neurobiology of Anxious States. Handbook of Behavioral Neuroscience, 2010, 21, 379-397.	0.7	17
136	Biological and Psychological Factors Determining Neuropsychiatric Outcomes in COVID-19. Current Psychiatry Reports, 2021, 23, 68.	4.5	17
137	N-Ethylmaleimide (NEM) Can Significantly Improve In Situ Hybridization Results Using 35S-labeled Oligodeoxynucleotide or Complementary RNA Probes. Journal of Histochemistry and Cytochemistry, 1997, 45, 1035-1041.	2.5	16
138	Prior cold water swim stress alters immobility in the forced swim test and associated activation of serotonergic neurons in the rat dorsal raphe nucleus. Neuroscience, 2013, 253, 221-234.	2.3	16
139	Angiotensin II's role in sodium lactate-induced panic-like responses in rats with repeated urocortin 1 injections into the basolateral amygdala. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2013, 44, 248-256.	4.8	16
140	Exposure to Acute and Chronic Fluoxetine has Differential Effects on Sociability and Activity of Serotonergic Neurons in the Dorsal Raphe Nucleus of Juvenile Male BALB/c Mice. Neuroscience, 2018, 386, 1-15.	2.3	16
141	Role of the dorsomedial hypothalamus in glucocorticoid-mediated feedback inhibition of the hypothalamicâ€“pituitaryâ€“adrenal axis. Stress, 2015, 18, 76-87.	1.8	15
142	Activation of 5-HT_{1A} receptors in the rat dorsomedial hypothalamus inhibits stress-induced activation of the hypothalamicâ€“pituitaryâ€“adrenal axis. Stress, 2017, 20, 223-230.	1.8	15
143	Military-Related Exposures, Social Determinants of Health, and Dysbiosis: The United States-Veteran Microbiome Project (US-VMP). Frontiers in Cellular and Infection Microbiology, 2018, 8, 400.	3.9	15
144	Effects of maternal separation on serotonergic systems in the dorsal and median raphe nuclei of adult male Tph2-deficient mice. Behavioural Brain Research, 2019, 373, 112086.	2.2	15

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145	Crh receptor priming in the bed nucleus of the stria terminalis (BNST) induces tph2 gene expression in the dorsomedial dorsal raphe nucleus and chronic anxiety. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 96, 109730.	4.8	15
146	Fibroblast growth factor deficiencies impact anxiety-like behavior and the serotonergic system. Behavioural Brain Research, 2014, 264, 74-81.	2.2	14
147	Twenty Important Research Questions in Microbial Exposure and Social Equity. MSystems, 2022, 7, e0124021.	3.8	14
148	Dorsal raphÃ© nucleus glucocorticoid receptors inhibit tph2 gene expression in male C57BL/6J mice. Neuroscience Letters, 2018, 665, 48-53.	2.1	13
149	Trait-like vulnerability of higher-order cognition and ability to maintain wakefulness during combined sleep restriction and circadian misalignment. Sleep, 2019, 42, .	1.1	12
150	Comparing the effects of two different strains of mycobacteria, Mycobacterium vaccae NCTC 11659 and M. vaccae ATCC 15483, on stress-resilient behaviors and lipid-immune signaling in rats. Brain, Behavior, and Immunity, 2021, 91, 212-229.	4.1	12
151	Fluoxetine potentiates the effects of corticotropin-releasing factor on locomotor activity and serotonergic systems in the roughskin newt, Taricha granulosa. Hormones and Behavior, 2009, 56, 177-184.	2.1	11
152	Disinhibition of the rat prelimbic cortex promotes serotonergic activation of the dorsal raphe nucleus and panicolytic-like behavioral effects. Journal of Psychopharmacology, 2017, 31, 704-714.	4.0	11
153	Social approach, anxiety, and altered tryptophan hydroxylase 2 activity in juvenile BALB/c and C57BL/6J mice. Behavioural Brain Research, 2019, 359, 918-926.	2.2	11
154	Local inhibition of uptake2 transporters augments stress-induced increases in serotonin in the rat central amygdala. Neuroscience Letters, 2019, 701, 119-124.	2.1	11
155	Periodontal Pathogens and Neuropsychiatric Health. Current Topics in Medicinal Chemistry, 2020, 20, 1353-1397.	2.1	11
156	Evaluation of the effects of altitude on biological signatures of inflammation and anxiety- and depressive-like behavioral responses. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 111, 110331.	4.8	10
157	Involvement of Serotonergic and Relaxin-3 Neuropeptide Systems in the Expression of Anxiety-like Behavior. Neuroscience, 2018, 390, 88-103.	2.3	9
158	Effects of chronic caffeine exposure during adolescence and subsequent acute caffeine challenge during adulthood on rat brain serotonergic systems. Neuropharmacology, 2019, 148, 257-271.	4.1	9
159	Immunization with a heat-killed bacterium, Mycobacterium vaccae NCTC 11659, prevents the development of cortical hyperarousal and a PTSD-like sleep phenotype after sleep disruption and acute stress in mice. Sleep, 2021, 44, .	1.1	9
160	Effects of Immunization With the Soil-Derived Bacterium Mycobacterium vaccae on Stress Coping Behaviors and Cognitive Performance in a â€œTwo Hitâ€•Stressor Model. Frontiers in Physiology, 2020, 11, 524833.	2.8	9
161	Characterization of the gut microbiota among Veterans with unique military-related exposures and high prevalence of chronic health conditions: A United States-Veteran Microbiome Project (US-VMP) study. Brain, Behavior, & Immunity - Health, 2021, 18, 100346.	2.5	9
162	Rapidly Growing Mycobacterium Species: The Long and Winding Road from Tuberculosis Vaccines to Potent Stress-Resilience Agents. International Journal of Molecular Sciences, 2021, 22, 12938.	4.1	9

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