

Christopher A Lowry

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9057984/christopher-a-lowry-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

209
papers

8,499
citations

56
h-index

84
g-index

218
ext. papers

9,846
ext. citations

5.5
avg, IF

6.25
L-index

#	Paper	IF	Citations
209	Tryptophan metabolism in the central nervous system: medical implications. <i>Expert Reviews in Molecular Medicine</i> , 2006 , 8, 1-27	6.7	273
208	MicroRNA 135 is essential for chronic stress resiliency, antidepressant efficacy, and intact serotonergic activity. <i>Neuron</i> , 2014 , 83, 344-360	13.9	270
207	Modulation of anxiety circuits by serotonergic systems. <i>Stress</i> , 2005 , 8, 233-46	3	236
206	Anatomic and functional topography of the dorsal raphe nucleus. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1018, 46-57	6.5	228
205	Serotonergic systems, anxiety, and affective disorder: focus on the dorsomedial part of the dorsal raphe nucleus. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1148, 86-94	6.5	200
204	Corticotropin-releasing factor increases in vitro firing rates of serotonergic neurons in the rat dorsal raphe nucleus: evidence for activation of a topographically organized mesolimbocortical serotonergic system. <i>Journal of Neuroscience</i> , 2000 , 20, 7728-36	6.6	196
203	Sex differences in anxiety and emotional behavior. <i>Pflugers Archiv European Journal of Physiology</i> , 2013 , 465, 601-26	4.6	186
202	Functional topography of midbrain and pontine serotonergic systems: implications for synaptic regulation of serotonergic circuits. <i>Psychopharmacology</i> , 2011 , 213, 243-64	4.7	177
201	Serotonergic systems associated with arousal and vigilance behaviors following administration of anxiogenic drugs. <i>Neuroscience</i> , 2005 , 133, 983-97	3.9	169
200	Consequences of post-weaning social isolation on anxiety behavior and related neural circuits in rodents. <i>Frontiers in Behavioral Neuroscience</i> , 2009 , 3, 18	3.5	141
199	Early life experience alters behavior during social defeat: focus on serotonergic systems. <i>Neuroscience</i> , 2005 , 136, 181-91	3.9	141
198	Immunization with a heat-killed preparation of the environmental bacterium <i>Mycobacterium vaccae</i> promotes stress resilience in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E3130-9	11.5	137
197	Inflammation, sanitation, and consternation: loss of contact with coevolved, tolerogenic microorganisms and the pathophysiology and treatment of major depression. <i>Archives of General Psychiatry</i> , 2010 , 67, 1211-24		135
196	Stress-related serotonergic systems: implications for symptomatology of anxiety and affective disorders. <i>Cellular and Molecular Neurobiology</i> , 2012 , 32, 695-708	4.6	131
195	Microbial "Old Friends" immunoregulation and stress resilience. <i>Evolution, Medicine and Public Health</i> , 2013 , 2013, 46-64	3	128
194	The Microbiota, Immunoregulation, and Mental Health: Implications for Public Health. <i>Current Environmental Health Reports</i> , 2016 , 3, 270-86	6.5	126
193	Identification of an immune-responsive mesolimbocortical serotonergic system: potential role in regulation of emotional behavior. <i>Neuroscience</i> , 2007 , 146, 756-72	3.9	125

192	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. <i>Brain Research Bulletin</i> , 2007 , 72, 32-43	3.9	124
191	Regulation of behavioral responses by corticotropin-releasing factor. <i>General and Comparative Endocrinology</i> , 2006 , 146, 19-27	3	120
190	Corticosterone-sensitive monoamine transport in the rat dorsomedial hypothalamus: potential role for organic cation transporter 3 in stress-induced modulation of monoaminergic neurotransmission. <i>Journal of Neuroscience</i> , 2006 , 26, 8758-66	6.6	112
189	Circadian and wakefulness-sleep modulation of cognition in humans. <i>Frontiers in Molecular Neuroscience</i> , 2012 , 5, 50	6.1	109
188	Chronic anthropogenic noise disrupts glucocorticoid signaling and has multiple effects on fitness in an avian community. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E648-E657	11.5	104
187	The Microbiome in Posttraumatic Stress Disorder and Trauma-Exposed Controls: An Exploratory Study. <i>Psychosomatic Medicine</i> , 2017 , 79, 936-946	3.7	100
186	The hygiene hypothesis and psychiatric disorders. <i>Trends in Immunology</i> , 2008 , 29, 150-8	14.4	92
185	Distribution of organic cation transporter 3, a corticosterone-sensitive monoamine transporter, in the rat brain. <i>Journal of Comparative Neurology</i> , 2009 , 512, 529-55	3.4	88
184	Functional topography of serotonergic systems supports the Deakin/Graeff hypothesis of anxiety and affective disorders. <i>Journal of Psychopharmacology</i> , 2013 , 27, 1090-106	4.6	85
183	Corticotropin-releasing factor in the dorsal raphe nucleus increases medial prefrontal cortical serotonin via type 2 receptors and median raphe nucleus activity. <i>European Journal of Neuroscience</i> , 2008 , 28, 299-310	3.5	85
182	A functional subset of serotonergic neurons in the rat ventrolateral periaqueductal gray implicated in the inhibition of sympathoexcitation and panic. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1018, 58-64	6.5	83
181	Activation of the orexin 1 receptor is a critical component of CO ₂ -mediated anxiety and hypertension but not bradycardia. <i>Neuropsychopharmacology</i> , 2012 , 37, 1911-22	8.7	81
180	Orexin 1 receptors are a novel target to modulate panic responses and the panic brain network. <i>Physiology and Behavior</i> , 2012 , 107, 733-42	3.5	77
179	A triple urocortin knockout mouse model reveals an essential role for urocortins in stress recovery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 19020-5	11.5	76
178	The Gut Microbiome and Mental Health: Implications for Anxiety- and Trauma-Related Disorders. <i>OMICS A Journal of Integrative Biology</i> , 2018 , 22, 90-107	3.8	76
177	Microbiota, immunoregulatory old friends and psychiatric disorders. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 817, 319-56	3.6	74
176	Urocortin 2 increases c-Fos expression in topographically organized subpopulations of serotonergic neurons in the rat dorsal raphe nucleus. <i>Brain Research</i> , 2005 , 1044, 176-89	3.7	72
175	Adverse experience during early life and adulthood interact to elevate tph2 mRNA expression in serotonergic neurons within the dorsal raphe nucleus. <i>Neuroscience</i> , 2009 , 163, 991-1001	3.9	71

174	Pharmacology of the beta-carboline FG-7,142, a partial inverse agonist at the benzodiazepine allosteric site of the GABA A receptor: neurochemical, neurophysiological, and behavioral effects. <i>CNS Neuroscience & Therapeutics</i> , 2007 , 13, 475-501		71
173	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. <i>Journal of Psychopharmacology</i> , 2008 , 22, 642-52	4.6	69
172	Evidence supporting a role for corticotropin-releasing factor type 2 (CRF2) receptors in the regulation of subpopulations of serotonergic neurons. <i>Brain Research</i> , 2006 , 1070, 77-89	3.7	68
171	Acute hypercarbic gas exposure reveals functionally distinct subpopulations of serotonergic neurons in rats. <i>Journal of Psychopharmacology</i> , 2005 , 19, 327-41	4.6	68
170	Uncontrollable, but not controllable, stress desensitizes 5-HT1A receptors in the dorsal raphe nucleus. <i>Journal of Neuroscience</i> , 2011 , 31, 14107-15	6.6	67
169	Whole-Body Hyperthermia for the Treatment of Major Depressive Disorder: A Randomized Clinical Trial. <i>JAMA Psychiatry</i> , 2016 , 73, 789-95	14.5	67
168	Neural pathways underlying lactate-induced panic. <i>Neuropsychopharmacology</i> , 2008 , 33, 2093-107	8.7	65
167	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. <i>Brain Research Bulletin</i> , 2006 , 71, 174-82	3.9	65
166	Hygiene and other early childhood influences on the subsequent function of the immune system. <i>Brain Research</i> , 2015 , 1617, 47-62	3.7	64
165	That warm fuzzy feeling: brain serotonergic neurons and the regulation of emotion. <i>Journal of Psychopharmacology</i> , 2009 , 23, 392-400	4.6	64
164	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. <i>Neuroscience</i> , 2008 , 157, 733-48	3.9	64
163	Repeated social defeat increases reactive emotional coping behavior and alters functional responses in serotonergic neurons in the rat dorsal raphe nucleus. <i>Physiology and Behavior</i> , 2011 , 104, 272-82	3.5	63
162	Injections of urocortin 1 into the basolateral amygdala induce anxiety-like behavior and c-Fos expression in brainstem serotonergic neurons. <i>Neuroscience</i> , 2006 , 138, 1265-76	3.9	62
161	Adverse early life experience and social stress during adulthood interact to increase serotonin transporter mRNA expression. <i>Brain Research</i> , 2009 , 1305, 47-63	3.7	61
160	Induction of c-Fos in panic/defence-related brain circuits following brief hypercarbic gas exposure. <i>Journal of Psychopharmacology</i> , 2011 , 25, 26-36	4.6	60
159	Sexual dimorphism in numbers of vasotocin-immunoreactive neurons in brain areas associated with reproductive behaviors in the roughskin newt. <i>General and Comparative Endocrinology</i> , 2000 , 117, 281-98 ³		60
158	Serotonin transporter gene, stress and raphe-raphe interactions: a molecular mechanism of depression. <i>Trends in Neurosciences</i> , 2012 , 35, 395-402	13.3	59
157	Exposure to an open-field arena increases c-Fos expression in a distributed anxiety-related system projecting to the basolateral amygdaloid complex. <i>Neuroscience</i> , 2008 , 155, 659-72	3.9	59

156	Rapid changes in monoamine levels following administration of corticotropin-releasing factor or corticosterone are localized in the dorsomedial hypothalamus. <i>Hormones and Behavior</i> , 2001 , 39, 195-203	3.7	58
155	Chronic non-invasive corticosterone administration abolishes the diurnal pattern of tph2 expression. <i>Psychoneuroendocrinology</i> , 2012 , 37, 645-61	5	57
154	The microbiome of the built environment and mental health. <i>Microbiome</i> , 2015 , 3, 60	16.6	57
153	Corticotropin-releasing factor-related peptides, serotonergic systems, and emotional behavior. <i>Frontiers in Neuroscience</i> , 2013 , 7, 169	5.1	54
152	Multiple angiogenic drugs recruit a parvalbumin-containing subpopulation of GABAergic interneurons in the basolateral amygdala. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2010 , 34, 1285-93	5.5	53
151	MicroRNA-19b associates with Ago2 in the amygdala following chronic stress and regulates the adrenergic receptor beta 1. <i>Journal of Neuroscience</i> , 2014 , 34, 15070-82	6.6	50
150	Greater glucocorticoid receptor activation in hippocampus of aged rats sensitizes microglia. <i>Neurobiology of Aging</i> , 2015 , 36, 1483-95	5.6	50
149	Neuroanatomical distribution of vasotocin in a urodele amphibian (<i>Taricha granulosa</i>) revealed by immunohistochemical and in situ hybridization techniques. <i>Journal of Comparative Neurology</i> , 1997 , 385, 43-70	3.4	50
148	The Deakin/Graeff hypothesis: focus on serotonergic inhibition of panic. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 46 Pt 3, 379-96	9	49
147	Investigation of a central nucleus of the amygdala/dorsal raphe nucleus serotonergic circuit implicated in fear-potentiated startle. <i>Neuroscience</i> , 2011 , 179, 104-19	3.9	49
146	Anatomical and functional evidence for a stress-responsive, monoamine-accumulating area in the dorsomedial hypothalamus of adult rat brain. <i>Hormones and Behavior</i> , 2003 , 43, 254-62	3.7	49
145	Corticotropin-releasing factor enhances locomotion and medullary neuronal firing in an amphibian. <i>Hormones and Behavior</i> , 1996 , 30, 50-9	3.7	48
144	Immunization with <i>Mycobacterium vaccae</i> induces an anti-inflammatory milieu in the CNS: Attenuation of stress-induced microglial priming, alarmins and anxiety-like behavior. <i>Brain, Behavior, and Immunity</i> , 2018 , 73, 352-363	16.6	48
143	Lipopolysaccharide has indomethacin-sensitive actions on Fos expression in topographically organized subpopulations of serotonergic neurons. <i>Brain, Behavior, and Immunity</i> , 2006 , 20, 569-77	16.6	45
142	Evidence for in vivo thermosensitivity of serotonergic neurons in the rat dorsal raphe nucleus and raphe pallidus nucleus implicated in thermoregulatory cooling. <i>Experimental Neurology</i> , 2011 , 227, 264-78	5.7	43
141	Individual differences in stress vulnerability: The role of gut pathobionts in stress-induced colitis. <i>Brain, Behavior, and Immunity</i> , 2017 , 64, 23-32	16.6	42
140	Integrative physiology of depression and antidepressant drug action: implications for serotonergic mechanisms of action and novel therapeutic strategies for treatment of depression. <i>Pharmacology & Therapeutics</i> , 2013 , 137, 108-18	13.9	42
139	Whole-body hyperthermia for the treatment of major depression: associations with thermoregulatory cooling. <i>American Journal of Psychiatry</i> , 2013 , 170, 802-4	11.9	42

138	Local inhibition of organic cation transporters increases extracellular serotonin in the medial hypothalamus. <i>Brain Research</i> , 2005 , 1063, 69-76	3.7	42
137	Swim stress activates serotonergic and nonserotonergic neurons in specific subdivisions of the rat dorsal raphe nucleus in a temperature-dependent manner. <i>Neuroscience</i> , 2011 , 197, 251-68	3.9	41
136	The Canmore Declaration: Statement of Principles for Planetary Health. <i>Challenges</i> , 2018 , 9, 31	3.4	41
135	Less immune activation following social stress in rural vs. urban participants raised with regular or no animal contact, respectively. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 5259-5264	11.5	40
134	The Microbiome of the Built Environment and Human Behavior: Implications for Emotional Health and Well-Being in Postmodern Western Societies. <i>International Review of Neurobiology</i> , 2016 , 131, 289-323	11.4	40
133	Chronic subordinate colony housing paradigm: A mouse model for mechanisms of PTSD vulnerability, targeted prevention, and treatment-2016 Curt Richter Award Paper. <i>Psychoneuroendocrinology</i> , 2016 , 74, 221-230	5	40
132	Elevated tph2 mRNA expression in a rat model of chronic anxiety. <i>Depression and Anxiety</i> , 2012 , 29, 307-314	8.9	39
131	Growing literature but limited evidence: A systematic review regarding prebiotic and probiotic interventions for those with traumatic brain injury and/or posttraumatic stress disorder. <i>Brain, Behavior, and Immunity</i> , 2017 , 65, 57-67	16.6	38
130	Effects of corticotropin-releasing factor (CRF) and opiates on amphibian locomotion. <i>Brain Research</i> , 1990 , 513, 94-100	3.7	36
129	Tryptophan Metabolism and White Matter Integrity in Schizophrenia. <i>Neuropsychopharmacology</i> , 2016 , 41, 2587-95	8.7	36
128	Lymphocytes in neuroprotection, cognition and emotion: is intolerance really the answer?. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 591-601	16.6	33
127	Pharmacological depletion of serotonin in the basolateral amygdala complex reduces anxiety and disrupts fear conditioning. <i>Pharmacology Biochemistry and Behavior</i> , 2015 , 138, 174-9	3.9	32
126	Urocortin 2 increases c-Fos expression in serotonergic neurons projecting to the ventricular/periventricular system. <i>Experimental Neurology</i> , 2010 , 224, 271-81	5.7	32
125	Evidence for serotonin synthesis-dependent regulation of in vitro neuronal firing rates in the midbrain raphe complex. <i>European Journal of Pharmacology</i> , 2008 , 590, 136-49	5.3	32
124	Ten questions concerning the built environment and mental health. <i>Building and Environment</i> , 2019 , 155, 58-69	6.5	31
123	Mycobacterium vaccae immunization protects aged rats from surgery-elicited neuroinflammation and cognitive dysfunction. <i>Neurobiology of Aging</i> , 2018 , 71, 105-114	5.6	31
122	Can we vaccinate against depression?. <i>Drug Discovery Today</i> , 2012 , 17, 451-8	8.8	30
121	Preimmunization with a heat-killed preparation of Mycobacterium vaccae enhances fear extinction in the fear-potentiated startle paradigm. <i>Brain, Behavior, and Immunity</i> , 2017 , 66, 70-84	16.6	30

120	Somatic influences on subjective well-being and affective disorders: the convergence of thermosensory and central serotonergic systems. <i>Frontiers in Psychology</i> , 2014 , 5, 1580	3.4	30
119	Old Friends, immunoregulation, and stress resilience. <i>Pflugers Archiv European Journal of Physiology</i> , 2019 , 471, 237-269	4.6	29
118	Post-weaning social isolation of female rats, anxiety-related behavior, and serotonergic systems. <i>Brain Research</i> , 2012 , 1443, 1-17	3.7	28
117	Serotonergic systems in the balance: CRHR1 and CRHR2 differentially control stress-induced serotonin synthesis. <i>Psychoneuroendocrinology</i> , 2016 , 63, 178-90	5	27
116	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. <i>Biological Psychiatry</i> , 2012 , 72, 437-47	7.9	27
115	Topographical distribution of corticotropin-releasing factor type 2 receptor-like immunoreactivity in the rat dorsal raphe nucleus: co-localization with tryptophan hydroxylase. <i>Neuroscience</i> , 2011 , 183, 47-63	3.9	27
114	Steroid-neuropeptide interactions that control reproductive behaviors in an amphibian. <i>Psychoneuroendocrinology</i> , 1994 , 19, 581-92	5	27
113	Development Environment interactions control tph2 mRNA expression. <i>Neuroscience</i> , 2013 , 237, 139-50,9	3.9	26
112	Catecholamines and indoleamines in the central nervous system of a urodele amphibian: a microdissection study with emphasis on the distribution of epinephrine. <i>Brain, Behavior and Evolution</i> , 1996 , 48, 70-93	1.5	26
111	Combined Toxoplasma gondii seropositivity and high blood kynurenine--Linked with nonfatal suicidal self-directed violence in patients with schizophrenia. <i>Journal of Psychiatric Research</i> , 2016 , 72, 74-81	5.2	25
110	Acoustic stimulation in vivo and corticotropin-releasing factor in vitro increase tryptophan hydroxylase activity in the rat caudal dorsal raphe nucleus. <i>Neuroscience Letters</i> , 2009 , 455, 36-41	3.3	25
109	Topographic organization and chemoarchitecture of the dorsal raphe nucleus and the median raphe nucleus 2008 , 25-67		25
108	An empirically derived method for measuring human gut microbiome alpha diversity: Demonstrated utility in predicting health-related outcomes among a human clinical sample. <i>PLoS ONE</i> , 2020 , 15, e0229204	3.7	24
107	Local perfusion of corticosterone in the rat medial hypothalamus potentiates D-fenfluramine-induced elevations of extracellular 5-HT concentrations. <i>Hormones and Behavior</i> , 2009 , 56, 149-57	3.7	24
106	Mental Health in Allergic Rhinitis: Depression and Suicidal Behavior. <i>Current Treatment Options in Allergy</i> , 2017 , 4, 71-97	1	23
105	Organic cation transporter inhibition increases medial hypothalamic serotonin under basal conditions and during mild restraint. <i>Brain Research</i> , 2010 , 1326, 105-13	3.7	23
104	Development by environment interactions controlling tryptophan hydroxylase expression. <i>Journal of Chemical Neuroanatomy</i> , 2011 , 41, 219-26	3.2	22
103	Post-weaning social isolation attenuates c-Fos expression in GABAergic interneurons in the basolateral amygdala of adult female rats. <i>Physiology and Behavior</i> , 2012 , 107, 719-25	3.5	21

102	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. <i>Neuroscience and Biobehavioral Reviews</i> , 2019 , 105, 136-177	9	20
101	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome. <i>PLoS ONE</i> , 2020 , 15, e0229001	3.7	20
100	Fluoxetine inhibits corticotropin-releasing factor (CRF)-induced behavioural responses in rats. <i>Stress</i> , 2009 , 12, 225-39	3	20
99	Finding intestinal fortitude: Integrating the microbiome into a holistic view of depression mechanisms, treatment, and resilience. <i>Neurobiology of Disease</i> , 2020 , 135, 104578	7.5	20
98	Two models of inescapable stress increase mRNA expression in the anxiety-related dorsomedial part of the dorsal raphe nucleus. <i>Neurobiology of Stress</i> , 2018 , 8, 68-81	7.6	19
97	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. <i>Neuroscience</i> , 2015 , 303, 270-84	3.9	18
96	Organic cation transporter 3: A cellular mechanism underlying rapid, non-genomic glucocorticoid regulation of monoaminergic neurotransmission, physiology, and behavior. <i>Hormones and Behavior</i> , 2018 , 104, 173-182	3.7	18
95	Longitudinal homogenization of the microbiome between both occupants and the built environment in a cohort of United States Air Force Cadets. <i>Microbiome</i> , 2019 , 7, 70	16.6	17
94	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. <i>Biology of Mood & Anxiety Disorders</i> , 2014 , 4, 1		17
93	Influence of chronic amphetamine treatment and acute withdrawal on serotonin synthesis and clearance mechanisms in the rat ventral hippocampus. <i>European Journal of Neuroscience</i> , 2013 , 37, 479-90 ⁵	3.5	17
92	The anxiogenic drug FG-7142 increases serotonin metabolism in the rat medial prefrontal cortex. <i>Pharmacology Biochemistry and Behavior</i> , 2006 , 84, 266-74	3.9	17
91	Identification and characterization of a novel anti-inflammatory lipid isolated from <i>Mycobacterium vaccae</i> , a soil-derived bacterium with immunoregulatory and stress resilience properties. <i>Psychopharmacology</i> , 2019 , 236, 1653-1670	4.7	16
90	N-ethylmaleimide (NEM) can significantly improve in situ hybridization results using 35S-labeled oligodeoxynucleotide or complementary RNA probes. <i>Journal of Histochemistry and Cytochemistry</i> , 1997 , 45, 1035-41	3.4	16
89	Serotonin and the Neurobiology of Anxious States. <i>Handbook of Behavioral Neuroscience</i> , 2010 , 21, 379-397	3.7	15
88	Angiotensin II's role in sodium lactate-induced panic-like responses in rats with repeated urocortin 1 injections into the basolateral amygdala: amygdalar angiotensin receptors and panic. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013 , 44, 248-56	5.5	14
87	Role of the dorsomedial hypothalamus in glucocorticoid-mediated feedback inhibition of the hypothalamic-pituitary-adrenal axis. <i>Stress</i> , 2015 , 18, 76-87	3	14
86	Acute Administration of the Nonpathogenic, Saprophytic Bacterium, <i>Mycobacterium vaccae</i> , Induces Activation of Serotonergic Neurons in the Dorsal Raphe Nucleus and Antidepressant-Like Behavior in Association with Mild Hypothermia. <i>Cellular and Molecular Neurobiology</i> , 2018 , 38, 289-304	4.6	14
85	Traumatic Brain Injury and Suicidal Behavior: A Review. <i>Journal of Alzheimer's Disease</i> , 2019 , 68, 1339-1370	7.0	13

84	Prior cold water swim stress alters immobility in the forced swim test and associated activation of serotonergic neurons in the rat dorsal raphe nucleus. <i>Neuroscience</i> , 2013 , 253, 221-34	3.9	13
83	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. <i>Brain, Behavior, and Immunity</i> , 2019 , 77, 127-140	16.6	13
82	Treatment with a heat-killed preparation of Mycobacterium vaccae after fear conditioning enhances fear extinction in the fear-potentiated startle paradigm. <i>Brain, Behavior, and Immunity</i> , 2019 , 81, 151-160	16.6	12
81	Serotonin Deficiency Increases Context-Dependent Fear Learning Through Modulation of Hippocampal Activity. <i>Frontiers in Neuroscience</i> , 2019 , 13, 245	5.1	12
80	A brief review on the mental health for select elements of the built environment. <i>Indoor and Built Environment</i> , 2021 , 30, 152-165	1.8	12
79	Dorsal raphe nucleus glucocorticoid receptors inhibit tph2 gene expression in male C57BL/6J mice. <i>Neuroscience Letters</i> , 2018 , 665, 48-53	3.3	12
78	Could Probiotics Be Used to Mitigate Neuroinflammation?. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 13-15	5.7	11
77	Subcutaneous Mycobacterium vaccae promotes resilience in a mouse model of chronic psychosocial stress when administered prior to or during psychosocial stress. <i>Brain, Behavior, and Immunity</i> , 2020 , 87, 309-317	16.6	11
76	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. <i>Neuroscience</i> , 2018 , 386, 1-15	3.9	11
75	Inflammation in Traumatic Brain Injury. <i>Journal of Alzheimer's Disease</i> , 2020 , 74, 1-28	4.3	10
74	Fibroblast growth factor deficiencies impact anxiety-like behavior and the serotonergic system. <i>Behavioural Brain Research</i> , 2014 , 264, 74-81	3.4	10
73	Disinhibition of the rat prelimbic cortex promotes serotonergic activation of the dorsal raphe nucleus and panicolytic-like behavioral effects. <i>Journal of Psychopharmacology</i> , 2017 , 31, 704-714	4.6	9
72	Intranasal Mycobacterium vaccae administration prevents stress-induced aggravation of dextran sulfate sodium (DSS) colitis. <i>Brain, Behavior, and Immunity</i> , 2019 , 80, 595-604	16.6	9
71	Fluoxetine potentiates the effects of corticotropin-releasing factor on locomotor activity and serotonergic systems in the roughskin newt, <i>Taricha granulosa</i> . <i>Hormones and Behavior</i> , 2009 , 56, 177-84	2.7	9
70	Local inhibition of uptake transporters augments stress-induced increases in serotonin in the rat central amygdala. <i>Neuroscience Letters</i> , 2019 , 701, 119-124	3.3	9
69	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. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020 , 96, 109730	5.5	9
68	Activation of 5-HT receptors in the rat dorsomedial hypothalamus inhibits stress-induced activation of the hypothalamic-pituitary-adrenal axis. <i>Stress</i> , 2017 , 20, 223-230	3	8
67	Social approach, anxiety, and altered tryptophan hydroxylase 2 activity in juvenile BALB/c and C57BL/6J mice. <i>Behavioural Brain Research</i> , 2019 , 359, 918-926	3.4	8

66	Positive association between IgG serointensity and current dysphoria/hopelessness scores in the Old Order Amish: a preliminary study. <i>Pteridines</i> , 2017 , 28, 185-194	0.6	8
65	Whole-body hyperthermia and a subthreshold dose of citalopram act synergistically to induce antidepressant-like behavioral responses in adolescent rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 79, 162-168	5.5	7
64	Moderation of the relationship between <i>Toxoplasma gondii</i> seropositivity and trait impulsivity in younger men by the phenylalanine-tyrosine ratio. <i>Psychiatry Research</i> , 2018 , 270, 992-1000	9.9	7
63	Involvement of Serotonergic and Relaxin-3 Neuropeptide Systems in the Expression of Anxiety-like Behavior. <i>Neuroscience</i> , 2018 , 390, 88-103	3.9	7
62	Effects of maternal separation on serotonergic systems in the dorsal and median raphe nuclei of adult male Tph2-deficient mice. <i>Behavioural Brain Research</i> , 2019 , 373, 112086	3.4	7
61	Periodontal Pathogens and Neuropsychiatric Health. <i>Current Topics in Medicinal Chemistry</i> , 2020 , 20, 1353-1397	3	7
60	, Suicidal Behavior, and Intermediate Phenotypes for Suicidal Behavior. <i>Frontiers in Psychiatry</i> , 2021 , 12, 665682	5	7
59	Effects of repeated voluntary or forced exercise on brainstem serotonergic systems in rats. <i>Behavioural Brain Research</i> , 2020 , 378, 112237	3.4	7
58	Effects of Immunization With the Soil-Derived Bacterium on Stress Coping Behaviors and Cognitive Performance in a "Two Hit" Stressor Model. <i>Frontiers in Physiology</i> , 2020 , 11, 524833	4.6	7
57	Trait-like vulnerability of higher-order cognition and ability to maintain wakefulness during combined sleep restriction and circadian misalignment. <i>Sleep</i> , 2019 , 42,	1.1	6
56	Characterisation of c-Fos expression in the central nervous system of mice following right atrial injections of the 5-HT ₃ receptor agonist phenylbiguanide. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2005 , 123, 62-75	2.4	6
55	Reciprocal moderation by seropositivity and blood phenylalanine - tyrosine ratio of their associations with trait aggression. <i>Pteridines</i> , 2016 , 27, 77-85	0.6	6
54	Immunization with a heat-killed bacterium, <i>Mycobacterium vaccae</i> NCTC 11659, prevents the development of cortical hyperarousal and a PTSD-like sleep phenotype after sleep disruption and acute stress in mice. <i>Sleep</i> , 2021 , 44,	1.1	6
53	Comparing the effects of two different strains of mycobacteria, <i>Mycobacterium vaccae</i> NCTC 11659 and <i>M. vaccae</i> ATCC 15483, on stress-resilient behaviors and lipid-immune signaling in rats. <i>Brain, Behavior, and Immunity</i> , 2021 , 91, 212-229	16.6	6
52	Military-Related Exposures, Social Determinants of Health, and Dysbiosis: The United States-Veteran Microbiome Project (US-VMP). <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 400	5.9	6
51	<i>Ruminiclostridium 5</i> , <i>Parabacteroides distasonis</i> , and bile acid profile are modulated by prebiotic diet and associate with facilitated sleep/clock realignment after chronic disruption of rhythms. <i>Brain, Behavior, and Immunity</i> , 2021 , 97, 150-166	16.6	6
50	Serointensity and Seropositivity: Heritability and Household-Related Associations in the Old Order Amish. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	5
49	The hygiene hypothesis and affective and anxiety disorders 2009 , 189-220		5

48	Effects of chronic caffeine exposure during adolescence and subsequent acute caffeine challenge during adulthood on rat brain serotonergic systems. <i>Neuropharmacology</i> , 2019 , 148, 257-271	5.5	5
47	Heritability of plasma neopterin levels in the Old Order Amish. <i>Journal of Neuroimmunology</i> , 2017 , 307, 37-41	3.5	4
46	IgG associations with sleep-wake problems, sleep duration and timing. <i>Pteridines</i> , 2019 , 30, 1-9	0.6	4
45	Sleep onset insomnia, daytime sleepiness and sleep duration in relationship to IgG seropositivity and serointensity. <i>Pteridines</i> , 2017 , 28, 195-204	0.6	4
44	Fibroblast growth factor 8 deficiency compromises the functional response of the serotonergic system to stress. <i>PLoS ONE</i> , 2014 , 9, e101420	3.7	4
43	Effects of immunization with heat-killed Mycobacterium vaccae on autism spectrum disorder-like behavior and epileptogenesis in a rat model of comorbid autism and epilepsy. <i>Brain, Behavior, and Immunity</i> , 2020 , 88, 763-780	16.6	4
42	Seasonal affective disorder and seasonal changes in weight and sleep duration are inversely associated with plasma adiponectin levels. <i>Journal of Psychiatric Research</i> , 2020 , 122, 97-104	5.2	4
41	Serotonin actions within the prelimbic cortex induce anxiolysis mediated by serotonin 1a receptors. <i>Journal of Psychopharmacology</i> , 2018 , 269881118817384	4.6	4
40	A framework for estimating the United States depression burden attributable to indoor fine particulate matter exposure. <i>Science of the Total Environment</i> , 2021 , 756, 143858	10.2	4
39	Evaluation of the effects of altitude on biological signatures of inflammation and anxiety- and depressive-like behavioral responses. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021 , 111, 110331	5.5	4
38	Whole-Body Heating: An Emerging Therapeutic Approach to Treatment of Major Depressive Disorder. <i>Focus (American Psychiatric Publishing)</i> , 2018 , 16, 259-265	1.1	3
37	Twenty Important Research Questions in Microbial Exposure and Social Equity.. <i>MSystems</i> , 2022 , e0124026	2.6	3
36	Blood Levels of Monoamine Precursors and Smoking in Patients with Schizophrenia. <i>Frontiers in Public Health</i> , 2016 , 4, 182	6	3
35	Mood Worsening on Days with High Pollen Counts is associated with a Summer Pattern of Seasonality. <i>Pteridines</i> , 2019 , 30, 133-141	0.6	3
34	Interactions between whole-body heating and citalopram on body temperature, antidepressant-like behaviour, and neurochemistry in adolescent male rats. <i>Behavioural Brain Research</i> , 2019 , 359, 428-439	3.4	3
33	Childhood Microbial Experience, Immunoregulation, Inflammation, and Adult Susceptibility to Psychosocial Stressors and Depression 2018 , 17-44		3
32	Using loss- and gain-of-function approaches to target amygdala-projecting serotonergic neurons in the dorsal raphe nucleus that enhance anxiety-related and conditioned fear behaviors. <i>Journal of Psychopharmacology</i> , 2020 , 34, 400-411	4.6	2
31	Increased brain vitamin D receptor expression and decreased expression of cathelicidin antimicrobial peptide in individuals who died by suicide. <i>Journal of Psychiatric Research</i> , 2020 , 125, 75-84	5.2	2

30	Stress, Panic, and Central Serotonergic Inhibition 2017 , 153-164		2
29	Seasonality of blood neopterin levels in the Old Order Amish. <i>Pteridines</i> , 2017 , 28, 163-176	0.6	2
28	Rapidly Growing Species: The Long and Winding Road from Tuberculosis Vaccines to Potent Stress-Resilience Agents. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
27	Exploring the relationship between the gut microbiome and mental health outcomes in a posttraumatic stress disorder cohort relative to trauma-exposed controls.. <i>European Neuropsychopharmacology</i> , 2021 , 56, 24-38	1.2	2
26	Organic Cation Transporters and Nongenomic Glucocorticoid Action. <i>Handbook of Experimental Pharmacology</i> , 2021 , 266, 241-251	3.2	2
25	Temporomandibular inflammation mobilizes parvalbumin and FosB/deltaFosB neurons of amygdala and dorsal raphe. <i>Brazilian Journal of Medical and Biological Research</i> , 2020 , 53, e9950	2.8	2
24	Alzheimer's Disease: Protective Effects of Mycobacterium vaccae, a Soil-Derived Mycobacterium with Anti-Inflammatory and Anti-Tubercular Properties, on the Proteomic Profiles of Plasma and Cerebrospinal Fluid in Rats. <i>Journal of Alzheimer's Disease</i> , 2020 , 78, 965-987	4.3	2
23	Involvement of dorsal raphe nucleus serotonergic systems in social approach-avoidance behaviour and in the response to fluoxetine treatment in peri-adolescent female BALB/c mice. <i>Behavioural Brain Research</i> , 2021 , 408, 113268	3.4	2
22	0230 Preimmunization With a Non-pathogenic Bacterium Mycobacterium vaccae NCTC11659 Prevents the Development of Cortical Hyperarousal and a PTSD-like Sleep Phenotype Following Sleep Disruption Plus Acute Stress in Mice.. <i>Sleep</i> , 2019 , 42, A94-A95	1.1	2
21	Association of the Salivary Microbiome With Animal Contact During Early Life and Stress-Induced Immune Activation in Healthy Participants. <i>Frontiers in Psychiatry</i> , 2020 , 11, 353	5	1
20	Serotonin and the neurobiology of anxious states. <i>Handbook of Behavioral Neuroscience</i> , 2020 , 31, 505-520		1
19	Hyperthermia for Major Depressive Disorder?-Reply. <i>JAMA Psychiatry</i> , 2016 , 73, 1096-1097	14.5	1
18	The Role of the Oral Microbiota Related to Periodontal Diseases in Anxiety, Mood and Trauma- and Stress-Related Disorders.. <i>Frontiers in Psychiatry</i> , 2021 , 12, 814177	5	1
17	Evaluation of the gut microbiome in association with biological signatures of inflammation in murine polytrauma and shock. <i>Scientific Reports</i> , 2021 , 11, 6665	4.9	1
16	Whole-Genome Sequencing of Inbred Mouse Strains Selected for High and Low Open-Field Activity. <i>Behavior Genetics</i> , 2021 , 51, 68-81	3.2	1
15	Biological and Psychological Factors Determining Neuropsychiatric Outcomes in COVID-19. <i>Current Psychiatry Reports</i> , 2021 , 23, 68	9.1	1
14	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.. <i>Brain, Behavior, & Immunity - Health</i> , 2021 , 18, 100346	5.1	1
13	The Influence of the Microbiota on Brain Structure and Function: Implications for Stress-Related Neuropsychiatric Disorders 2022 , 267-337		1

12	Mycobacterium vaccae immunization in rats ameliorates features of age-associated microglia activation in the amygdala and hippocampus.. <i>Scientific Reports</i> , 2022 , 12, 2165	4.9	o
11	Anxiety-related defensive behavioral responses in mice selectively bred for High and Low Activity. <i>Genes, Brain and Behavior</i> , 2021 , 20, e12730	3.6	o
10	Acute treatment with 5-hydroxytryptophan increases social approach behaviour but does not activate serotonergic neurons in the dorsal raphe nucleus in juvenile male BALB/c mice: A model of human disorders with deficits of sociability.. <i>Journal of Psychopharmacology</i> , 2022 , 2698811221089039	4.6	o
9	0110 Within-subject Consistency Of Increased Interleukin-6 Levels In Response To Combined Sleep Restriction And Circadian Misalignment In Humans. <i>Sleep</i> , 2019 , 42, A45-A46	1.1	
8	Brain Monoaminergic Systems in Stress Neuroendocrinology 2015 , 19-42		
7	Old Friends – Immunregulation und Stressresilienz. <i>Nervenheilkunde</i> , 2020 , 39, 55-66	0.3	
6	Old Friends – Immunregulation und Stressresilienz. <i>Nervenheilkunde</i> , 2020 , 39, 47-54	0.3	
5	The microbiome-gut-brain axis: The missing link in depression 2020 , 255-274		
4	Lipophilic vs. hydrophilic statins and psychiatric hospitalizations and emergency room visits in US Veterans with schizophrenia and bipolar disorder. <i>Pteridines</i> , 2021 , 32, 48-69	0.6	
3	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome 2020 , 15, e0229001		
2	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome 2020 , 15, e0229001		
1	Repeated sleep disruption in mice leads to persistent shifts in the fecal microbiome and metabolome 2020 , 15, e0229001		