

Bruce S Mcewen

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

246
papers

40,893
citations

88
h-index

201
g-index

275
ext. papers

45,747
ext. citations

7.3
avg, IF

8.45
L-index

#	Paper	IF	Citations
246	Physiology and neurobiology of stress and adaptation: central role of the brain. <i>Physiological Reviews</i> , 2007 , 87, 873-904	47.9	2716
245	Stress, adaptation, and disease. Allostasis and allostatic load. <i>Annals of the New York Academy of Sciences</i> , 1998 , 840, 33-44	6.5	2662
244	The concept of allostasis in biology and biomedicine. <i>Hormones and Behavior</i> , 2003 , 43, 2-15	3.7	2118
243	Stress and hippocampal plasticity. <i>Annual Review of Neuroscience</i> , 1999 , 22, 105-22	17	1565
242	Cortisol levels during human aging predict hippocampal atrophy and memory deficits. <i>Nature Neuroscience</i> , 1998 , 1, 69-73	25.5	1240
241	Central effects of stress hormones in health and disease: Understanding the protective and damaging effects of stress and stress mediators. <i>European Journal of Pharmacology</i> , 2008 , 583, 174-85	5.3	1121
240	Protective and damaging effects of mediators of stress. Elaborating and testing the concepts of allostasis and allostatic load. <i>Annals of the New York Academy of Sciences</i> , 1999 , 896, 30-47	6.5	1048
239	Genetic variant BDNF (Val66Met) polymorphism alters anxiety-related behavior. <i>Science</i> , 2006 , 314, 140-3	35.3	1021
238	Protection and damage from acute and chronic stress: allostasis and allostatic overload and relevance to the pathophysiology of psychiatric disorders. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1032, 1-7	6.5	1021
237	Central role of the brain in stress and adaptation: links to socioeconomic status, health, and disease. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1186, 190-222	6.5	1000
236	Estrogen actions in the central nervous system. <i>Endocrine Reviews</i> , 1999 , 20, 279-307	27.2	992
235	Roles of estradiol and progesterone in regulation of hippocampal dendritic spine density during the estrous cycle in the rat. <i>Journal of Comparative Neurology</i> , 1993 , 336, 293-306	3.4	887
234	Mood disorders and allostatic load. <i>Biological Psychiatry</i> , 2003 , 54, 200-7	7.9	783
233	Mechanisms of stress in the brain. <i>Nature Neuroscience</i> , 2015 , 18, 1353-63	25.5	732
232	Estrogen actions throughout the brain. <i>Endocrine Reviews</i> , 2002 , 57, 357-84		719
231	Brain on stress: how the social environment gets under the skin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109 Suppl 2, 17180-5	11.5	699
230	Stress-induced alterations in prefrontal cortical dendritic morphology predict selective impairments in perceptual attentional set-shifting. <i>Journal of Neuroscience</i> , 2006 , 26, 7870-4	6.6	686

229	Stress Effects on Neuronal Structure: Hippocampus, Amygdala, and Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2016 , 41, 3-23	8.7	655
228	Stress- and allostasis-induced brain plasticity. <i>Annual Review of Medicine</i> , 2011 , 62, 431-45	17.4	654
227	Plasticity of the hippocampus: adaptation to chronic stress and allostatic load. <i>Annals of the New York Academy of Sciences</i> , 2001 , 933, 265-77	6.5	604
226	The brain on stress: vulnerability and plasticity of the prefrontal cortex over the life course. <i>Neuron</i> , 2013 , 79, 16-29	13.9	595
225	Protective and damaging effects of stress mediators: central role of the brain. <i>Dialogues in Clinical Neuroscience</i> , 2006 , 8, 367-81	5.7	586
224	Glucocorticoids, depression, and mood disorders: structural remodeling in the brain. <i>Metabolism: Clinical and Experimental</i> , 2005 , 54, 20-3	12.7	536
223	Sex, stress and the hippocampus: allostasis, allostatic load and the aging process. <i>Neurobiology of Aging</i> , 2002 , 23, 921-39	5.6	527
222	Neurotrophic and neuroprotective actions of estrogens and their therapeutic implications. <i>Annual Review of Pharmacology and Toxicology</i> , 2001 , 41, 569-91	17.9	479
221	Sleep deprivation as a neurobiologic and physiologic stressor: Allostasis and allostatic load. <i>Metabolism: Clinical and Experimental</i> , 2006 , 55, S20-3	12.7	412
220	Stress and anxiety: structural plasticity and epigenetic regulation as a consequence of stress. <i>Neuropharmacology</i> , 2012 , 62, 3-12	5.5	364
219	Doublecortin expression in the adult rat telencephalon. <i>European Journal of Neuroscience</i> , 2001 , 14, 629-44	3.4	361
218	Early life influences on life-long patterns of behavior and health. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 2003 , 9, 149-54		329
217	Phenytoin prevents stress- and corticosterone-induced atrophy of CA3 pyramidal neurons. <i>Hippocampus</i> , 1992 , 2, 431-5	3.5	312
216	Understanding the broad influence of sex hormones and sex differences in the brain. <i>Journal of Neuroscience Research</i> , 2017 , 95, 24-39	4.4	306
215	Neurobiological and Systemic Effects of Chronic Stress. <i>Chronic Stress</i> , 2017 , 1,	3	266
214	Interacting mediators of allostasis and allostatic load: towards an understanding of resilience in aging. <i>Metabolism: Clinical and Experimental</i> , 2003 , 52, 10-6	12.7	262
213	Glucose transporter expression in the central nervous system: relationship to synaptic function. <i>European Journal of Pharmacology</i> , 2004 , 490, 13-24	5.3	260
212	Chronic social stress reduces dendritic arbors in CA3 of hippocampus and decreases binding to serotonin transporter sites. <i>Synapse</i> , 2000 , 36, 85-94	2.4	256

211	Increase in urinary cortisol excretion and memory declines: MacArthur studies of successful aging. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997 , 82, 2458-65	5.6	251
210	Uncertainty and stress: Why it causes diseases and how it is mastered by the brain. <i>Progress in Neurobiology</i> , 2017 , 156, 164-188	10.9	247
209	Stress and hippocampal plasticity: implications for the pathophysiology of affective disorders. <i>Human Psychopharmacology</i> , 2001 , 16, S7-S19	2.3	246
208	Stressed or stressed out: what is the difference?. <i>Journal of Psychiatry and Neuroscience</i> , 2005 , 30, 315-8	4.5	245
207	Stress, sex, and neural adaptation to a changing environment: mechanisms of neuronal remodeling. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1204 Suppl, E38-59	6.5	244
206	Hippocampal remodeling and damage by corticosteroids: implications for mood disorders. <i>Neuropsychopharmacology</i> , 1999 , 21, 474-84	8.7	243
205	Blockade of NMDA receptors increases cell death and birth in the developing rat dentate gyrus. <i>Journal of Comparative Neurology</i> , 1994 , 340, 551-65	3.4	219
204	Recognizing Resilience: Learning from the Effects of Stress on the Brain. <i>Neurobiology of Stress</i> , 2015 , 1, 1-11	7.6	218
203	Mitochondrial allostatic load puts the 'gluc' back in glucocorticoids. <i>Nature Reviews Endocrinology</i> , 2014 , 10, 303-10	15.2	212
202	Estrogen Effects on Cognitive and Synaptic Health Over the Lifecourse. <i>Physiological Reviews</i> , 2015 , 95, 785-807	47.9	201
201	Estrogen effects on the brain: actions beyond the hypothalamus via novel mechanisms. <i>Behavioral Neuroscience</i> , 2012 , 126, 4-16	2.1	194
200	Clinical review 108: The molecular and neuroanatomical basis for estrogen effects in the central nervous system. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 1790-7	5.6	190
199	Adrenal steroids regulate postnatal development of the rat dentate gyrus: I. Effects of glucocorticoids on cell death. <i>Journal of Comparative Neurology</i> , 1991 , 313, 479-85	3.4	189
198	Stress-induced dendritic remodeling in the prefrontal cortex is circuit specific. <i>Cerebral Cortex</i> , 2009 , 19, 2479-84	5.1	187
197	Endocrine and physiological changes in response to chronic corticosterone: a potential model of the metabolic syndrome in mouse. <i>Endocrinology</i> , 2010 , 151, 2117-27	4.8	182
196	An energetic view of stress: Focus on mitochondria. <i>Frontiers in Neuroendocrinology</i> , 2018 , 49, 72-85	8.9	181
195	Understanding the potency of stressful early life experiences on brain and body function. <i>Metabolism: Clinical and Experimental</i> , 2008 , 57 Suppl 2, S11-5	12.7	179
194	Adrenal steroids regulate postnatal development of the rat dentate gyrus: II. Effects of glucocorticoids and mineralocorticoids on cell birth. <i>Journal of Comparative Neurology</i> , 1991 , 313, 486-93	3.4	170

193	The Brain on Stress: Toward an Integrative Approach to Brain, Body, and Behavior. <i>Perspectives on Psychological Science</i> , 2013 , 8, 673-5	9.8	163
192	NMDA receptor antagonist treatment induces a long-lasting increase in the number of proliferating cells, PSA-NCAM-immunoreactive granule neurons and radial glia in the adult rat dentate gyrus. <i>European Journal of Neuroscience</i> , 2001 , 13, 512-20	3.5	162
191	Sleep Deprivation and Circadian Disruption: Stress, Allostasis, and Allostatic Load. <i>Sleep Medicine Clinics</i> , 2015 , 10, 1-10	3.6	156
190	In pursuit of resilience: stress, epigenetics, and brain plasticity. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1373, 56-64	6.5	156
189	Mitochondrial functions modulate neuroendocrine, metabolic, inflammatory, and transcriptional responses to acute psychological stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6614-23	11.5	150
188	Hippocampal formation: shedding light on the influence of sex and stress on the brain. <i>Brain Research Reviews</i> , 2007 , 55, 343-55		146
187	Social Structure, Adversity, Toxic Stress, and Intergenerational Poverty: An Early Childhood Model. <i>Annual Review of Sociology</i> , 2017 , 43, 445-472	10.4	141
186	Estrogen levels regulate the subcellular distribution of phosphorylated Akt in hippocampal CA1 dendrites. <i>Journal of Neuroscience</i> , 2003 , 23, 2340-7	6.6	140
185	Obesity diminishes synaptic markers, alters microglial morphology, and impairs cognitive function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15731-6	11.5	137
184	The role of corticosteroids and stress in chronic pain conditions. <i>Metabolism: Clinical and Experimental</i> , 2010 , 59 Suppl 1, S9-15	12.7	137
183	Estrogen promotes stress sensitivity in a prefrontal cortex-amygdala pathway. <i>Cerebral Cortex</i> , 2010 , 20, 2560-7	5.1	134
182	The Vulnerability of the Hippocampus to Protective and Destructive Effects of Glucocorticoids in Relation to Stress. <i>British Journal of Psychiatry</i> , 1992 , 160, 18-23	5.4	124
181	Embodying Psychological Thriving: Physical Thriving in Response to Stress. <i>Journal of Social Issues</i> , 2010 , 54, 301-322	3.2	123
180	Allostasis and the Epigenetics of Brain and Body Health Over the Life Course: The Brain on Stress. <i>JAMA Psychiatry</i> , 2017 , 74, 551-552	14.5	119
179	Glucocorticoids regulate the synthesis of glial fibrillary acidic protein in intact and adrenalectomized rats but do not affect its expression following brain injury. <i>Journal of Neurochemistry</i> , 1991 , 57, 860-9	6	118
178	The P4 Health Spectrum - A Predictive, Preventive, Personalized and Participatory Continuum for Promoting Healthspan. <i>Progress in Cardiovascular Diseases</i> , 2017 , 59, 506-521	8.5	113
177	Sex in the brain: hormones and sex differences. <i>Dialogues in Clinical Neuroscience</i> , 2016 , 18, 373-383	5.7	109
176	Establishment of a repeated social defeat stress model in female mice. <i>Scientific Reports</i> , 2017 , 7, 128384.9	4.9	107

175	The ever-changing brain: cellular and molecular mechanisms for the effects of stressful experiences. <i>Developmental Neurobiology</i> , 2012 , 72, 878-90	3.2	107
174	Allostasis, allostatic load, and the aging nervous system: role of excitatory amino acids and excitotoxicity. <i>Neurochemical Research</i> , 2000 , 25, 1219-31	4.6	107
173	Immunocytochemical localization of nuclear estrogen receptors and progesterin receptors within the rat dorsal raphe nucleus. <i>Journal of Comparative Neurology</i> , 1998 , 391, 322-334	3.4	106
172	Protective and damaging effects of stress mediators: the good and bad sides of the response to stress. <i>Metabolism: Clinical and Experimental</i> , 2002 , 51, 2-4	12.7	106
171	From Molecules to Mind. <i>Annals of the New York Academy of Sciences</i> , 2006 , 935, 42-49	6.5	105
170	Studies of hormone action in the hippocampal formation: possible relevance to depression and diabetes. <i>Journal of Psychosomatic Research</i> , 2002 , 53, 883-90	4.1	105
169	The neurobiology and neuroendocrinology of stress. Implications for post-traumatic stress disorder from a basic science perspective. <i>Psychiatric Clinics of North America</i> , 2002 , 25, 469-94, ix	3.1	104
168	Naturally occurring cell death in the developing dentate gyrus of the rat. <i>Journal of Comparative Neurology</i> , 1991 , 304, 408-18	3.4	103
167	G-protein-coupled estrogen receptor 1 is anatomically positioned to modulate synaptic plasticity in the mouse hippocampus. <i>Journal of Neuroscience</i> , 2015 , 35, 2384-97	6.6	101
166	Adrenal steroid regulation of neurotrophic factor expression in the rat hippocampus. <i>Endocrinology</i> , 1998 , 139, 3112-8	4.8	100
165	Genomic and epigenomic mechanisms of glucocorticoids in the brain. <i>Nature Reviews Endocrinology</i> , 2017 , 13, 661-673	15.2	98
164	Stress and the dynamic genome: Steroids, epigenetics, and the transposome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6828-33	11.5	97
163	Stress dynamically regulates behavior and glutamatergic gene expression in hippocampus by opening a window of epigenetic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14960-5	11.5	96
162	Aggression, Social Stress, and the Immune System in Humans and Animal Models. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 56	3.5	94
161	Alterations in corticolimbic dendritic morphology and emotional behavior in cannabinoid CB1 receptor-deficient mice parallel the effects of chronic stress. <i>Cerebral Cortex</i> , 2011 , 21, 2056-64	5.1	94
160	Biomarkers for assessing population and individual health and disease related to stress and adaptation. <i>Metabolism: Clinical and Experimental</i> , 2015 , 64, S2-S10	12.7	91
159	Gonadal and adrenal steroids regulate neurochemical and structural plasticity of the hippocampus via cellular mechanisms involving NMDA receptors. <i>Cellular and Molecular Neurobiology</i> , 1996 , 16, 103-16	4.6	90
158	Clinical characterization of allostatic overload. <i>Psychoneuroendocrinology</i> , 2019 , 108, 94-101	5	87

157	On the causes of early life experience effects: evaluating the role of mom. <i>Frontiers in Neuroendocrinology</i> , 2014 , 35, 245-51	8.9	87
156	The activity of the hypothalamic-pituitary-adrenal axis and the sympathetic nervous system in relation to waist/hip circumference ratio in men. <i>Obesity</i> , 2000 , 8, 487-95		87
155	Estrogen-regulated progesterin receptors are found in the midbrain raphe but not hippocampus of estrogen receptor alpha (ER alpha) gene-disrupted mice. <i>Journal of Comparative Neurology</i> , 2000 , 427, 185-95	3.4	86
154	Anatomical localization of the effects of 17 beta-estradiol on oxytocin receptor binding in the ventromedial hypothalamic nucleus. <i>Endocrinology</i> , 1989 , 124, 207-11	4.8	86
153	Stress and corticosteroids regulate rat hippocampal mitochondrial DNA gene expression via the glucocorticoid receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9099-104	11.5	82
152	Stress habituation, body shape and cardiovascular mortality. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 56, 139-50	9	81
151	Astrocytic glycogen-derived lactate fuels the brain during exhaustive exercise to maintain endurance capacity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6358-6363	11.5	78
150	Glutamatergic regulation prevents hippocampal-dependent age-related cognitive decline through dendritic spine clustering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18733-8	11.5	75
149	The Molecular and Neuroanatomical Basis for Estrogen Effects in the Central Nervous System		73
148	Role of the Astroglial Glutamate Exchanger xCT in Ventral Hippocampus in Resilience to Stress. <i>Neuron</i> , 2017 , 96, 402-413.e5	13.9	71
147	The brain is the central organ of stress and adaptation. <i>NeuroImage</i> , 2009 , 47, 911-3	7.9	71
146	Re-examination of the glucocorticoid hypothesis of stress and aging. <i>Progress in Brain Research</i> , 1992 , 93, 365-81; discussion 382-3	2.9	71
145	Effect of chronic typical and atypical neuroleptic treatment on proenkephalin mRNA levels in the striatum and nucleus accumbens of the rat. <i>Journal of Neurochemistry</i> , 1990 , 54, 1889-94	6	69
144	Acetyl-L-carnitine deficiency in patients with major depressive disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8627-8632	11.5	68
143	Neurological changes induced by stress in streptozotocin diabetic rats. <i>Annals of the New York Academy of Sciences</i> , 1999 , 893, 126-37	6.5	68
142	Adverse childhood experiences, dispositional mindfulness, and adult health. <i>Preventive Medicine</i> , 2014 , 67, 147-53	4.3	66
141	Self Reported Childhood Difficulties, Adult Multimorbidity and Allostatic Load. A Cross-Sectional Analysis of the Norwegian HUNT Study. <i>PLoS ONE</i> , 2015 , 10, e0130591	3.7	66
140	The regulation of oxytocin receptor binding in the ventromedial hypothalamic nucleus by testosterone and its metabolites. <i>Endocrinology</i> , 1991 , 128, 891-6	4.8	63

139	Lifetime experiences, the brain and personalized medicine: an integrative perspective. <i>Metabolism: Clinical and Experimental</i> , 2013 , 62 Suppl 1, S20-6	12.7	62
138	Epigenetics and energetics in ventral hippocampus mediate rapid antidepressant action: Implications for treatment resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7906-11	11.5	61
137	Effects of immobilization stress on neurochemical markers in the motivational system of the male rat. <i>Brain Research</i> , 2007 , 1155, 108-15	3.7	60
136	Inhibition of dendritic spine induction on hippocampal CA1 pyramidal neurons by a nonsteroidal estrogen antagonist in female rats. <i>Endocrinology</i> , 1999 , 140, 1044-7	4.8	59
135	Widespread expression of rat collapsin response-mediated protein 4 in the telencephalon and other areas of the adult rat central nervous system. <i>Journal of Comparative Neurology</i> , 2000 , 424, 628-39 ³⁻⁴	3.4	58
134	Novel Target Sites for Estrogen Action in the Dorsal Hippocampus: An Examination of Synaptic Proteins		57
133	Chronic social stress: Changes in behavioral and physiological indices of emotion. <i>Aggressive Behavior</i> , 1998 , 24, 307-321	2.8	54
132	Parsing the Hippocampus in Depression: Chronic Stress, Hippocampal Volume, and Major Depressive Disorder. <i>Biological Psychiatry</i> , 2019 , 85, 436-438	7.9	53
131	Depression, adrenal steroids, and the immune system. <i>Annals of Medicine</i> , 1993 , 25, 481-7	1.5	50
130	Stress differentially alters mu opioid receptor density and trafficking in parvalbumin-containing interneurons in the female and male rat hippocampus. <i>Synapse</i> , 2013 , 67, 757-72	2.4	49
129	Distribution of estrogen receptor α -containing cells in the brains of bacterial artificial chromosome transgenic mice. <i>Brain Research</i> , 2010 , 1351, 74-96	3.7	49
128	Stress-induced remodeling of hippocampal CA3 pyramidal neurons. <i>Brain Research</i> , 2016 , 1645, 50-4	3.7	48
127	Regulation of glucocorticoid receptor and mineralocorticoid receptor messenger ribonucleic acids by selective agonists in the rat hippocampus. <i>Endocrinology</i> , 1998 , 139, 1810-4	4.8	46
126	Genomic effects of cold and isolation stress on magnocellular vasopressin mRNA-containing cells in the hypothalamus of the rat. <i>Journal of Neurochemistry</i> , 1991 , 56, 2033-8	6	43
125	Immunocytochemical localization of 11 Beta-hydroxysteroid dehydrogenase in hippocampus and other brain regions of the rat. <i>Journal of Neuroendocrinology</i> , 1992 , 4, 101-6	3.8	43
124	Perineuronal Nets, Inhibitory Interneurons, and Anxiety-Related Ventral Hippocampal Neuronal Oscillations Are Altered by Early Life Adversity. <i>Biological Psychiatry</i> , 2019 , 85, 1011-1020	7.9	42
123	Redefining neuroendocrinology: Epigenetics of brain-body communication over the life course. <i>Frontiers in Neuroendocrinology</i> , 2018 , 49, 8-30	8.9	41
122	What Is the Confusion With Cortisol?. <i>Chronic Stress</i> , 2019 , 3,	3	40

121	Calmodulin involvement in stress- and corticosterone-induced down-regulation of cyclic AMP-generating systems in brain. <i>Journal of Neurochemistry</i> , 1990 , 55, 276-84	6	40
120	A sexually dimorphic pre-stressed translational signature in CA3 pyramidal neurons of BDNF Val66Met mice. <i>Nature Communications</i> , 2017 , 8, 808	17.4	39
119	Glucocorticoid receptor mRNA expression in the hippocampal formation of male rats before and after pubertal development in response to acute or repeated stress. <i>Neuroendocrinology</i> , 2008 , 87, 160-7	5.6	38
118	Ovarian steroids alter mu opioid receptor trafficking in hippocampal parvalbumin GABAergic interneurons. <i>Experimental Neurology</i> , 2009 , 219, 319-27	5.7	37
117	Sustained glucocorticoid exposure recruits cortico-limbic CRH signaling to modulate endocannabinoid function. <i>Psychoneuroendocrinology</i> , 2016 , 66, 151-8	5	35
116	Neurochemical characterization of individual vulnerability to addictive drugs in rats. <i>European Journal of Neuroscience</i> , 1998 , 10, 3153-63	3.5	35
115	Nuclear receptor REV-ERB α mediates circadian sensitivity to mortality in murine vesicular stomatitis virus-induced encephalitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5730-5	11.5	35
114	Elevated Body Mass Index is Associated with Increased Integration and Reduced Cohesion of Sensory-Driven and Internally Guided Resting-State Functional Brain Networks. <i>Cerebral Cortex</i> , 2018 , 28, 988-997	5.1	34
113	Oestrogens and the structural and functional plasticity of neurons: implications for memory, ageing and neurodegenerative processes. <i>Novartis Foundation Symposium</i> , 1995 , 191, 52-66; discussion 66-73		34
112	Riluzole reduces amyloid beta pathology, improves memory, and restores gene expression changes in a transgenic mouse model of early-onset Alzheimer's disease. <i>Translational Psychiatry</i> , 2018 , 8, 153	8.6	33
111	Corticosteroid receptors in brain: relationship of receptors to effects in stress and aging. <i>Annals of the New York Academy of Sciences</i> , 1987 , 512, 394-401	6.5	33
110	Divergent roles of astrocytic versus neuronal EAAT2 deficiency on cognition and overlap with aging and Alzheimer's molecular signatures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21800-21811	11.5	32
109	Leptin in hippocampus mediates benefits of mild exercise by an antioxidant on neurogenesis and memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10988-10993	11.5	32
108	Multidimensional Predictors of Susceptibility and Resilience to Social Defeat Stress. <i>Biological Psychiatry</i> , 2019 , 86, 483-491	7.9	32
107	Ovarian hormones influence corticotropin releasing factor receptor colocalization with delta opioid receptors in CA1 pyramidal cell dendrites. <i>Experimental Neurology</i> , 2011 , 230, 186-96	5.7	32
106	Effects of adrenal steroids on basal ganglia neuropeptide mRNA and tyrosine hydroxylase radioimmunoreactive levels in the adrenalectomized rat. <i>Journal of Neurochemistry</i> , 1998 , 71, 833-43	6	32
105	Metabolic signature in nucleus accumbens for anti-depressant-like effects of acetyl-L-carnitine. <i>ELife</i> , 2020 , 9,	8.9	32
104	Ovarian steroids modulate leu-enkephalin levels and target leu-enkephalinergic profiles in the female hippocampal mossy fiber pathway. <i>Brain Research</i> , 2008 , 1232, 70-84	3.7	31

103	Insulin resistance, an unmasked culprit in depressive disorders: Promises for interventions. <i>Neuropharmacology</i> , 2018 , 136, 327-334	5.5	31
102	Commentary on PTSD discussion. <i>Hippocampus</i> , 2001 , 11, 82-84	3.5	30
101	Adrenocortical steroids modify neurotransmitter-stimulated cyclic AMP accumulation in the hippocampus and limbic brain of the rat. <i>Journal of Neurochemistry</i> , 1987 , 48, 1648-55	6	30
100	Stress-induced modulation of endocannabinoid signaling leads to delayed strengthening of synaptic connectivity in the amygdala. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 650-655	11.5	29
99	Selective regulation of dopamine transporter binding in the shell of the nucleus accumbens by adrenalectomy and corticosterone-replacement. <i>Synapse</i> , 1998 , 30, 334-7	2.4	28
98	Structural plasticity of the adult brain: how animal models help us understand brain changes in depression and systemic disorders related to depression. <i>Dialogues in Clinical Neuroscience</i> , 2004 , 6, 119-33	5.7	28
97	Investigating the Burden of Chronic Pain: An Inflammatory and Metabolic Composite. <i>Pain Research and Management</i> , 2016 , 2016, 7657329	2.6	28
96	Early life stress alters the developmental trajectory of corticolimbic endocannabinoid signaling in male rats. <i>Neuropharmacology</i> , 2019 , 146, 154-162	5.5	28
95	Immunocytochemical localization of nuclear estrogen receptors and progesterin receptors within the rat dorsal raphe nucleus. <i>Journal of Comparative Neurology</i> , 1998 , 391, 322-334	3.4	27
94	During infant maltreatment, stress targets hippocampus, but stress with mother present targets amygdala and social behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22821-22832	11.5	26
93	Thyroid hormone causes sexually distinct neurochemical and morphological alterations in rat septal-diagonal band neurons. <i>Journal of Neurochemistry</i> , 1991 , 56, 119-28	6	26
92	Moderate exercise ameliorates dysregulated hippocampal glycometabolism and memory function in a rat model of type 2 diabetes. <i>Diabetologia</i> , 2017 , 60, 597-606	10.3	25
91	Hippocampal mossy fiber leu-enkephalin immunoreactivity in female rats is significantly altered following both acute and chronic stress. <i>Journal of Chemical Neuroanatomy</i> , 2014 , 55, 9-17	3.2	25
90	The influences of reproductive status and acute stress on the levels of phosphorylated delta opioid receptor immunoreactivity in rat hippocampus. <i>Brain Research</i> , 2013 , 1518, 71-81	3.7	25
89	Inhibition of Dendritic Spine Induction on Hippocampal CA1 Pyramidal Neurons by a Nonsteroidal Estrogen Antagonist in Female Rats		25
88	Insulin receptor substrate in brain-enriched exosomes in subjects with major depression: on the path of creation of biosignatures of central insulin resistance. <i>Molecular Psychiatry</i> , 2021 , 26, 5140-5149 ^{15.1}		23
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