

Miles A Herkenham

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97
papers

11,511
citations

55
h-index

98
g-index

98
ext. papers

12,105
ext. citations

5.6
avg, IF

6.18
L-index

#	Paper	IF	Citations
97	Afferent connections of the habenular nuclei in the rat. A horseradish peroxidase study, with a note on the fiber-of-passage problem. <i>Journal of Comparative Neurology</i> , 1977 , 173, 123-46	3.4	684
96	Efferent connections of the habenular nuclei in the rat. <i>Journal of Comparative Neurology</i> , 1979 , 187, 19-47	3.4	682
95	Altered expression of hypothalamic neuropeptide mRNAs in food-restricted and food-deprived rats. <i>Neuroendocrinology</i> , 1990 , 52, 441-7	5.6	599
94	Mosaic distribution of opiate receptors, parafascicular projections and acetylcholinesterase in rat striatum. <i>Nature</i> , 1981 , 291, 415-8	50.4	482
93	Neuronal localization of cannabinoid receptors in the basal ganglia of the rat. <i>Brain Research</i> , 1991 , 547, 267-74	3.7	465
92	The afferent and efferent connections of the ventromedial thalamic nucleus in the rat. <i>Journal of Comparative Neurology</i> , 1979 , 183, 487-517	3.4	425
91	The connections of the nucleus reuniens thalami: evidence for a direct thalamo-hippocampal pathway in the rat. <i>Journal of Comparative Neurology</i> , 1978 , 177, 589-610	3.4	391
90	Thalamoamygdaloid projections in the rat: a test of the amygdala's role in sensory processing. <i>Journal of Comparative Neurology</i> , 1991 , 313, 295-325	3.4	376
89	Neostriatal projections from individual cortical fields conform to histochemically distinct striatal compartments in the rat. <i>Brain Research</i> , 1986 , 365, 397-403	3.7	362
88	Toll-like receptor 4 on nonhematopoietic cells sustains CNS inflammation during endotoxemia, independent of systemic cytokines. <i>Journal of Neuroscience</i> , 2005 , 25, 1788-96	6.6	325
87	Molecular alterations in the neostriatum of human cocaine addicts. <i>Synapse</i> , 1993 , 13, 357-69	2.4	293
86	The cannabinoid receptor: biochemical, anatomical and behavioral characterization. <i>Trends in Neurosciences</i> , 1990 , 13, 420-3	13.3	254
85	Induction of IDO by bacille Calmette-Guérin is responsible for development of murine depressive-like behavior. <i>Journal of Immunology</i> , 2009 , 182, 3202-12	5.3	240
84	The antidepressants fluoxetine, idazoxan and phenelzine alter corticotropin-releasing hormone and tyrosine hydroxylase mRNA levels in rat brain: therapeutic implications. <i>Brain Research</i> , 1992 , 572, 117-25	3.7	222
83	Induction of pro-inflammatory cytokine mRNAs in the brain after peripheral injection of subseptic doses of lipopolysaccharide in the rat. <i>Journal of Neuroimmunology</i> , 1999 , 93, 72-80	3.5	210
82	Optimization of cRNA probe in situ hybridization methodology for localization of glucocorticoid receptor mRNA in rat brain: a detailed protocol. <i>Cellular and Molecular Neurobiology</i> , 1990 , 10, 145-57	4.6	185
81	Localization of cannabinoid CB(1) receptor mRNA in neuronal subpopulations of rat striatum: a double-label in situ hybridization study. <i>Synapse</i> , 2000 , 37, 71-80	2.4	180

80	Ontogeny of opiate receptors in rat forebrain: visualization by in vitro autoradiography. <i>Developmental Brain Research</i> , 1981 , 254, 487-504		172
79	Arcuate nucleus neurons that project to the hypothalamic paraventricular nucleus: neuropeptidergic identity and consequences of adrenalectomy on mRNA levels in the rat. <i>Journal of Comparative Neurology</i> , 1995 , 358, 518-30	3.4	170
78	Autoradiographic localization of mu- and delta-opiate receptors in the forebrain of the rat. <i>Brain Research</i> , 1986 , 378, 49-60	3.7	166
77	Environmental enrichment confers stress resiliency to social defeat through an infralimbic cortex-dependent neuroanatomical pathway. <i>Journal of Neuroscience</i> , 2011 , 31, 6159-73	6.6	163
76	Distribution of opiate receptor subtypes and enkephalin and dynorphin immunoreactivity in the hippocampus of squirrel, guinea pig, rat, and hamster. <i>Journal of Comparative Neurology</i> , 1987 , 255, 497-510	3.4	161
75	Selective vulnerability in Huntington's disease: preferential loss of cannabinoid receptors in lateral globus pallidus. <i>Annals of Neurology</i> , 1994 , 36, 577-84	9.4	160
74	Pre- and postsynaptic distribution of cannabinoid and mu opioid receptors in rat spinal cord. <i>Brain Research</i> , 1999 , 822, 17-25	3.7	155
73	Chronic cannabinoid administration alters cannabinoid receptor binding in rat brain: a quantitative autoradiographic study. <i>Brain Research</i> , 1993 , 616, 293-302	3.7	155
72	Maternal immune activation by LPS selectively alters specific gene expression profiles of interneuron migration and oxidative stress in the fetus without triggering a fetal immune response. <i>Brain, Behavior, and Immunity</i> , 2012 , 26, 623-34	16.6	152
71	Cyclooxygenase 2 mRNA expression in rat brain after peripheral injection of lipopolysaccharide. <i>Brain Research</i> , 1998 , 802, 189-97	3.7	147
70	Influence of a single injection of cocaine, amphetamine or GBR 12909 on mRNA expression of striatal neuropeptides. <i>Molecular Brain Research</i> , 1992 , 16, 97-104		144
69	Opiate receptors in rat pituitary are confined to the neural lobe and are exclusively kappa. <i>Brain Research</i> , 1986 , 382, 365-71	3.7	129
68	Comparative development of striatal opiate receptors and dopamine revealed by autoradiography and histofluorescence. <i>Brain Research</i> , 1984 , 305, 27-42	3.7	123
67	Quantitative receptor autoradiography: tissue defatting eliminates differential self-absorption of tritium radiation in gray and white matter of brain. <i>Brain Research</i> , 1984 , 321, 363-8	3.7	122
66	Glucocorticoids orchestrate divergent effects on mood through adult neurogenesis. <i>Journal of Neuroscience</i> , 2013 , 33, 2961-72	6.6	120
65	Effects of stress and adrenalectomy on tyrosine hydroxylase mRNA levels in the locus ceruleus by in situ hybridization. <i>Brain Research</i> , 1991 , 544, 26-32	3.7	120
64	Cannabinoid receptor localization in brain: relationship to motor and reward systems. <i>Annals of the New York Academy of Sciences</i> , 1992 , 654, 19-32	6.5	113
63	Intraventricular carbachol mimics the phase-shifting effect of light on the circadian rhythm of wheel-running activity. <i>Brain Research</i> , 1981 , 212, 234-8	3.7	112

62	Unilateral LTP triggers bilateral increases in hippocampal neurotrophin and trk receptor mRNA expression in behaving rats: evidence for interhemispheric communication. <i>Journal of Comparative Neurology</i> , 1996 , 368, 371-82	3.4	108
61	Repeated immobilization stress alters tyrosine hydroxylase, corticotropin-releasing hormone and corticosteroid receptor messenger ribonucleic Acid levels in rat brain. <i>Journal of Neuroendocrinology</i> , 1992 , 4, 689-99	3.8	101
60	Visualization of rat brain receptors for the neuropeptide, substance P. <i>Brain Research</i> , 1984 , 309, 47-54	3.7	95
59	Regulation of cannabinoid and mu opioid receptors in rat lumbar spinal cord following neonatal capsaicin treatment. <i>Neuroscience Letters</i> , 1998 , 252, 13-6	3.3	91
58	Chronic morphine increases mu-opiate receptor binding in rat brain: a quantitative autoradiographic study. <i>Brain Research</i> , 1989 , 477, 382-6	3.7	91
57	A comparative autoradiographic study of the distributions of substance P and eledoisin binding sites in rat brain. <i>Brain Research</i> , 1986 , 385, 273-81	3.7	91
56	Lymphocytes from chronically stressed mice confer antidepressant-like effects to naive mice. <i>Journal of Neuroscience</i> , 2015 , 35, 1530-8	6.6	90
55	Opiate receptor localization in rat cerebral cortex. <i>Journal of Comparative Neurology</i> , 1983 , 216, 339-58	3.4	85
54	Social defeat induces depressive-like states and microglial activation without involvement of peripheral macrophages. <i>Journal of Neuroinflammation</i> , 2016 , 13, 224	10.1	81
53	NF-kappaB p50-deficient mice show reduced anxiety-like behaviors in tests of exploratory drive and anxiety. <i>Behavioural Brain Research</i> , 2004 , 154, 577-84	3.4	80
52	PACAP-deficient mice show attenuated corticosterone secretion and fail to develop depressive behavior during chronic social defeat stress. <i>Psychoneuroendocrinology</i> , 2013 , 38, 702-15	5	79
51	Bacterial lipopolysaccharide fever is initiated via Toll-like receptor 4 on hematopoietic cells. <i>Blood</i> , 2006 , 107, 4000-2	2.2	78
50	Minimal NF- κ B activity in neurons. <i>Neuroscience</i> , 2013 , 250, 282-299	3.9	71
49	Chronic social defeat reduces myelination in the mouse medial prefrontal cortex. <i>Scientific Reports</i> , 2017 , 7, 46548	4.9	69
48	Temporal and spatial patterns of c-fos mRNA induced by intravenous interleukin-1: a cascade of non-neuronal cellular activation at the blood-brain barrier. <i>Journal of Comparative Neurology</i> , 1998 , 400, 175-96	3.4	65
47	Chronic overexpression of proinflammatory cytokines and histopathology in the brains of rats infected with <i>Trypanosoma brucei</i> . <i>Journal of Comparative Neurology</i> , 1999 , 414, 114-30	3.4	65
46	Area postrema removal abolishes stimulatory effects of intravenous interleukin-1beta on hypothalamic-pituitary-adrenal axis activity and c-fos mRNA in the hypothalamic paraventricular nucleus. <i>Brain Research Bulletin</i> , 1998 , 46, 495-503	3.9	63
45	Anesthetics and the habenulo-interpeduncular system: selective sparing of metabolic activity. <i>Brain Research</i> , 1981 , 210, 461-6	3.7	57

44	Autoradiographic evidence for two classes of mu opioid binding sites in rat brain using [125I]FK33824. <i>Peptides</i> , 1987 , 8, 1015-21	3.8	55
43	Visualization and solubilization of rat brain opiate receptors with a "kappa" ligand selectivity pattern. <i>Cellular and Molecular Neurobiology</i> , 1982 , 2, 333-46	4.6	55
42	Induction of IkappaBalpha mRNA expression in the brain by glucocorticoids: a negative feedback mechanism for immune-to-brain signaling. <i>Journal of Neuroscience</i> , 2000 , 20, 6473-7	6.6	49
41	Induced neuronal expression of class I major histocompatibility complex mRNA in acute and chronic inflammation models. <i>Journal of Neuroimmunology</i> , 2002 , 131, 83-91	3.5	46
40	Altered metabolic activity in the cerebral cortex of rats exposed to ketamine. <i>Journal of Comparative Neurology</i> , 1983 , 220, 396-404	3.4	46
39	Decoding microglia responses to psychosocial stress reveals blood-brain barrier breakdown that may drive stress susceptibility. <i>Scientific Reports</i> , 2018 , 8, 11240	4.9	45
38	Region-specific up-regulation of opioid receptor binding in enkephalin knockout mice. <i>Molecular Brain Research</i> , 1999 , 68, 193-7		45
37	Evolution of striatal opiate receptors. <i>Brain Research</i> , 1982 , 249, 184-8	3.7	44
36	Effects of long-term treatment with antidepressant drugs on proopiomelanocortin and neuropeptide Y mRNA expression in the hypothalamic arcuate nucleus of rats. <i>Journal of Neuroendocrinology</i> , 1996 , 8, 337-43	3.8	41
35	The Behavioral Sequelae of Social Defeat Require Microglia and Are Driven by Oxidative Stress in Mice. <i>Journal of Neuroscience</i> , 2019 , 39, 5594-5605	6.6	37
34	Autoradiographic localization of a novel peptide binding site in rat brain using the substance P analog, eledoisin. <i>Neuropeptides</i> , 1984 , 4, 343-9	3.3	36
33	Urine scent marking (USM): a novel test for depressive-like behavior and a predictor of stress resiliency in mice. <i>PLoS ONE</i> , 2013 , 8, e69822	3.7	33
32	Cautionary notes on the use of NF-B p65 and p50 antibodies for CNS studies. <i>Journal of Neuroinflammation</i> , 2011 , 8, 141	10.1	33
31	Preparation of rat brain membranes highly enriched with opiate kappa binding sites using site-directed acylating agents: optimization of assay conditions. <i>Neuropeptides</i> , 1985 , 6, 503-16	3.3	31
30	Thermoregulatory responses of rats to conventional preparations of lipopolysaccharide are caused by lipopolysaccharide per se-- not by lipoprotein contaminants. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 289, R348-R352	3.2	30
29	Activin mRNA induced during amygdala kindling shows a spatiotemporal progression that tracks the spread of seizures. <i>Journal of Comparative Neurology</i> , 2004 , 476, 91-102	3.4	29
28	NF-kappaB activity affects learning in aversive tasks: possible actions via modulation of the stress axis. <i>Brain, Behavior, and Immunity</i> , 2010 , 24, 1008-17	16.6	28
27	Insidious adrenocortical insufficiency underlies neuroendocrine dysregulation in TIF-2 deficient mice. <i>FASEB Journal</i> , 2007 , 21, 231-8	0.9	27

26	Spatiotemporal induction patterns of cytokine and related immune signal molecule mRNAs in response to intrastriatal injection of lipopolysaccharide. <i>Journal of Neuroimmunology</i> , 2000 , 106, 114-29 ^{3.5}	27
25	Spatiotemporal induction patterns of cytokine and related immune signal molecule mRNAs in response to intrastriatal injection of lipopolysaccharide. <i>Journal of Neuroimmunology</i> , 2000 , 109, 245-60 ^{3.5}	26
24	Fragile X (fmr1) mRNA expression is differentially regulated in two adult models of activity-dependent gene expression. <i>Molecular Brain Research</i> , 2000 , 75, 337-41	22
23	Dehydration reduces kappa-opiate receptor binding in the neurohypophysis of the rat. <i>Brain Research</i> , 1987 , 425, 212-7	3.7 22
22	Contributions of the adaptive immune system to mood regulation: Mechanisms and pathways of neuroimmune interactions. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 79, 49-57	5.5 20
21	Intrahippocampal colchicine alters hypothalamic corticotropin-releasing hormone and hippocampal steroid receptor mRNA in rat brain. <i>Neuroendocrinology</i> , 1992 , 55, 121-33	5.6 20
20	Tritiated 2-deoxy-D-glucose: a high-resolution marker for autoradiographic localization of brain metabolism. <i>Journal of Comparative Neurology</i> , 1984 , 222, 128-39	3.4 20
19	Folliculo-stellate (FS) cells of the anterior pituitary mediate interactions between the endocrine and immune systems. <i>Endocrinology</i> , 2005 , 146, 33-4	4.8 18
18	Physiological regulation of neurohypophyseal kappa-opiate receptors. <i>Brain Research</i> , 1988 , 443, 398-403 ⁷	18
17	Hypothalamic lesions increase levels of neuropeptide Y mRNA in the arcuate nucleus of mice. <i>Neuroscience Letters</i> , 1994 , 165, 13-7	3.3 16
16	Therapeutic effects of stress-programmed lymphocytes transferred to chronically stressed mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016 , 70, 1-7	5.5 14
15	Hyperforin-containing extracts of St John's wort fail to alter gene transcription in brain areas involved in HPA axis control in a long-term treatment regimen in rats. <i>Neuropsychopharmacology</i> , 2003 , 28, 2160-8	8.7 12
14	Analysis of cerebrovascular dysfunction caused by chronic social defeat in mice. <i>Brain, Behavior, and Immunity</i> , 2020 , 88, 735-747	16.6 11
13	Three Promoters Regulate Tissue- and Cell Type-specific Expression of Murine Interleukin-1 Receptor Type I. <i>Journal of Biological Chemistry</i> , 2009 , 284, 8703-13	5.4 11
12	Selective anorexigenic effects of corticotropin releasing hormone in the rhesus monkey. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1991 , 15, 379-91	5.5 11
11	Evidence that the delta-selective alkylating agent, fit, alters the mu-noncompetitive opiate delta binding site. <i>Neuropeptides</i> , 1985 , 6, 227-37	3.3 9
10	Extrasynaptic receptors and parasynaptic communication in the brain. <i>Brain Research Bulletin</i> , 1999 , 50, 351-2	3.9 7
9	From Receptors to Brain Circuitry 1981 , 511-522	5

8	B-cells are abnormal in psychosocial stress and regulate meningeal myeloid cell activation. <i>Brain, Behavior, and Immunity</i> , 2021 , 97, 226-238	16.6	5
7	AUTORADIOGRAPHIC DEMONSTRATION OF RECEPTOR DISTRIBUTIONS 1984 , 127-152		4
6	Localization of cannabinoid CB1 receptor mRNA in neuronal subpopulations of rat striatum: A double-label in situ hybridization study 2000 , 37, 71		3
5	Unilateral LTP triggers bilateral increases in hippocampal neurotrophin and trk receptor mRNA expression in behaving rats: Evidence for interhemispheric communication 1996 , 368, 371		2
4	Immunization with a cannabinoid receptor type 1 peptide results in experimental allergic meningocerebellitis in the Lewis rat: a model for cell-mediated autoimmune neuropathology. <i>Journal of Neuroscience Research</i> , 2002 , 70, 150-60	4.4	1
3	The contribution of microglia to "immunization against stress". <i>Brain, Behavior, and Immunity</i> , 2018 , 73, 161-162	16.6	0
2	CCR2 monocytes repair cerebrovascular damage caused by chronic social defeat stress.. <i>Brain, Behavior, and Immunity</i> , 2022 , 101, 346-346	16.6	0
1	Involvement of the Choroid Plexus and the Cerebrospinal Fluid in Immune Molecule Signaling in the Central Nervous System 2005 , 437-457		