

Miles A Herkenham

List of Publications by Year in descending order

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97
papers

12,685
citations

30047

54
h-index

43868

91
g-index

98
all docs

98
docs citations

98
times ranked

8864
citing authors

#	ARTICLE	IF	CITATIONS
1	Efferent connections of the habenular nuclei in the rat. <i>Journal of Comparative Neurology</i> , 1979, 187, 19-47.	0.9	759
2	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, 123-145.	0.9	740
3	Altered Expression of Hypothalamic Neuropeptide mRNAs in Food-Restricted and Food-Deprived Rats. <i>Neuroendocrinology</i> , 1990, 52, 441-447.	1.2	630
4	Mosaic distribution of opiate receptors, parafascicular projections and acetylcholinesterase in rat striatum. <i>Nature</i> , 1981, 291, 415-418.	13.7	513
5	Neuronal localization of cannabinoid receptors in the basal ganglia of the rat. <i>Brain Research</i> , 1991, 547, 267-274.	1.1	499
6	The afferent and efferent connections of the ventromedial thalamic nucleus in the rat. <i>Journal of Comparative Neurology</i> , 1979, 183, 487-517.	0.9	459
7	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, 589-609.	0.9	436
8	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.	0.9	407
9	Neostriatal projections from individual cortical fields conform to histochemically distinct striatal compartments in the rat. <i>Brain Research</i> , 1986, 365, 397-403.	1.1	379
10	Toll-Like Receptor 4 on Nonhematopoietic Cells Sustains CNS Inflammation during Endotoxemia, Independent of Systemic Cytokines. <i>Journal of Neuroscience</i> , 2005, 25, 1788-1796.	1.7	359
11	Molecular alterations in the neostriatum of human cocaine addicts. <i>Synapse</i> , 1993, 13, 357-369.	0.6	323
12	The cannabinoid receptor: biochemical, anatomical and behavioral characterization. <i>Trends in Neurosciences</i> , 1990, 13, 420-423.	4.2	285
13	Induction of IDO by Bacille Calmette-Guèrin Is Responsible for Development of Murine Depressive-Like Behavior. <i>Journal of Immunology</i> , 2009, 182, 3202-3212.	0.4	279
14	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, 117-125.	1.1	238
15	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.	1.1	225
16	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, 623-634.	2.0	220
17	Localization of cannabinoid CB1 receptor mRNA in neuronal subpopulations of rat striatum: A double-label in situ hybridization study. <i>Synapse</i> , 2000, 37, 71-80.	0.6	194
18	Environmental Enrichment Confers Stress Resiliency to Social Defeat through an Infralimbic Cortex-Dependent Neuroanatomical Pathway. <i>Journal of Neuroscience</i> , 2011, 31, 6159-6173.	1.7	194

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19	Ontogeny of opiate receptors in rat forebrain: Visualization by in vitro autoradiography. <i>Developmental Brain Research</i> , 1981, 2, 487-504.	2.1	192
20	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, 145-157.	1.7	190
21	Selective vulnerability in Huntington's disease: Preferential loss of cannabinoid receptors in lateral globus pallidus. <i>Annals of Neurology</i> , 1994, 36, 577-584.	2.8	178
22	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, 518-530.	0.9	178
23	Pre- and postsynaptic distribution of cannabinoid and mu opioid receptors in rat spinal cord. <i>Brain Research</i> , 1999, 822, 17-25.	1.1	178
24	Chronic cannabinoid administration alters cannabinoid receptor binding in rat brain: a quantitative autoradiographic study. <i>Brain Research</i> , 1993, 616, 293-302.	1.1	173
25	Autoradiographic localization of δ - and κ -opiate receptors in the forebrain of the rat. <i>Brain Research</i> , 1986, 378, 49-60.	1.1	172
26	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.	0.9	169
27	Cyclooxygenase 2 mRNA expression in rat brain after peripheral injection of lipopolysaccharide. <i>Brain Research</i> , 1998, 802, 189-197.	1.1	157
28	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.	2.5	154
29	Glucocorticoids Orchestrate Divergent Effects on Mood through Adult Neurogenesis. <i>Journal of Neuroscience</i> , 2013, 33, 2961-2972.	1.7	144
30	Opiate receptors in rat pituitary are confined to the neural lobe and are exclusively kappa. <i>Brain Research</i> , 1986, 382, 365-371.	1.1	132
31	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.	1.8	129
32	Comparative development of striatal opiate receptors and dopamine revealed by autoradiography and histofluorescence. <i>Brain Research</i> , 1984, 305, 27-42.	1.1	128
33	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, 363-368.	1.1	126
34	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.	1.1	123
35	Unilateral LTP triggers bilateral increases in hippocampal neurotrophin and trk receptor mRNA expression in behaving rats: Evidence for interhemispheric communication. , 1996, 368, 371-382.		122
36	Intraventricular carbachol mimics the phase-shifting effect of light on the circadian rhythm of wheel-running activity. <i>Brain Research</i> , 1981, 212, 234-238.	1.1	120

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37	Social defeat induces depressive-like states and microglial activation without involvement of peripheral macrophages. <i>Journal of Neuroinflammation</i> , 2016, 13, 224.	3.1	117
38	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, 689-699.	1.2	114
39	Lymphocytes from Chronically Stressed Mice Confer Antidepressant-Like Effects to Naive Mice. <i>Journal of Neuroscience</i> , 2015, 35, 1530-1538.	1.7	113
40	PACAP-deficient mice show attenuated corticosterone secretion and fail to develop depressive behavior during chronic social defeat stress. <i>Psychoneuroendocrinology</i> , 2013, 38, 702-715.	1.3	106
41	Visualization of rat brain receptors for the neuropeptide, substance P. <i>Brain Research</i> , 1984, 309, 47-54.	1.1	104
42	Regulation of cannabinoid and mu opioid receptors in rat lumbar spinal cord following neonatal capsaicin treatment. <i>Neuroscience Letters</i> , 1998, 252, 13-16.	1.0	103
43	Minimal NF- κ B activity in neurons. <i>Neuroscience</i> , 2013, 250, 282-299.	1.1	98
44	A comparative autoradiographic study of the distributions of substance P and eledoisin binding sites in rat brain. <i>Brain Research</i> , 1986, 385, 273-281.	1.1	96
45	Chronic morphine increases μ -opioid receptor binding in rat brain: a quantitative autoradiographic study. <i>Brain Research</i> , 1989, 477, 382-386.	1.1	94
46	Chronic social defeat reduces myelination in the mouse medial prefrontal cortex. <i>Scientific Reports</i> , 2017, 7, 46548.	1.6	94
47	Opiate receptor localization in rat cerebral cortex. <i>Journal of Comparative Neurology</i> , 1983, 216, 339-358.	0.9	92
48	NF- κ B p50-deficient mice show reduced anxiety-like behaviors in tests of exploratory drive and anxiety. <i>Behavioural Brain Research</i> , 2004, 154, 577-584.	1.2	88
49	Bacterial lipopolysaccharide fever is initiated via Toll-like receptor 4 on hematopoietic cells. <i>Blood</i> , 2006, 107, 4000-4002.	0.6	86
50	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.	1.7	85
51	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. , 1998, 400, 175-196.		75
52	Chronic overexpression of proinflammatory cytokines and histopathology in the brains of rats infected with <i>Trypanosoma brucei</i> . , 1999, 414, 114-130.		75
53	Area postrema removal abolishes stimulatory effects of intravenous interleukin-1 β on hypothalamic-pituitary-adrenal axis activity and c-fos mRNA in the hypothalamic paraventricular nucleus. <i>Brain Research Bulletin</i> , 1998, 46, 495-503.	1.4	72
54	Anesthetics and the habenulo-interpeduncular system: selective sparing of metabolic activity. <i>Brain Research</i> , 1981, 210, 461-466.	1.1	64

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55	Decoding microglia responses to psychosocial stress reveals blood-brain barrier breakdown that may drive stress susceptibility. <i>Scientific Reports</i> , 2018, 8, 11240.	1.6	64
56	Autoradiographic evidence for two classes of mu opioid binding sites in rat brain using [125I]FK33824. <i>Peptides</i> , 1987, 8, 1015-1021.	1.2	59
57	Visualization and solubilization of rat brain opiate receptors with a ??? ligand selectivity pattern. <i>Cellular and Molecular Neurobiology</i> , 1982, 2, 333-346.	1.7	56
58	Induction of β mRNA Expression in the Brain by Glucocorticoids: A Negative Feedback Mechanism for Immune-to-Brain Signaling. <i>Journal of Neuroscience</i> , 2000, 20, 6473-6477.	1.7	51
59	Altered metabolic activity in the cerebral cortex of rats exposed to ketamine. <i>Journal of Comparative Neurology</i> , 1983, 220, 396-404.	0.9	48
60	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.	1.1	48
61	Region-specific up-regulation of opioid receptor binding in enkephalin knockout mice. <i>Molecular Brain Research</i> , 1999, 68, 193-197.	2.5	46
62	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.	1.1	46
63	Evolution of striatal opiate receptors. <i>Brain Research</i> , 1982, 249, 184-188.	1.1	44
64	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, 337-343.	1.2	43
65	Autoradiographic localization of a novel peptide binding site in rat brain using the substance P analog, eldoisin. <i>Neuropeptides</i> , 1984, 4, 343-349.	0.9	38
66	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, 245-260.	1.1	37
67	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, 503-516.	0.9	34
68	Cautionary notes on the use of NF- κ B p65 and p50 antibodies for CNS studies. <i>Journal of Neuroinflammation</i> , 2011, 8, 141.	3.1	34
69	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.	0.9	32
70	NF- κ B activity affects learning in aversive tasks: Possible actions via modulation of the stress axis. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 1008-1017.	2.0	31
71	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.	0.9	30
72	Insidious adrenocortical insufficiency underlies neuroendocrine dysregulation in TIF-2 deficient mice. <i>FASEB Journal</i> , 2007, 21, 231-238.	0.2	30

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73	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.	2.5	30
74	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, 114-129.	1.1	27
75	Analysis of cerebrovascular dysfunction caused by chronic social defeat in mice. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 735-747.	2.0	24
76	Dehydration reduces $\hat{\mu}$ -opiate receptor binding in the neurohypophysis of the rat. <i>Brain Research</i> , 1987, 425, 212-217.	1.1	23
77	Fragile X (<i>fmr1</i>) mRNA expression is differentially regulated in two adult models of activity-dependent gene expression. <i>Molecular Brain Research</i> , 2000, 75, 337-341.	2.5	22
78	Tritiated 2-deoxy-D-glucose: A high-resolution marker for autoradiographic localization of brain metabolism. <i>Journal of Comparative Neurology</i> , 1984, 222, 128-139.	0.9	21
79	Folliculo-Stellate (FS) Cells of the Anterior Pituitary Mediate Interactions between the Endocrine and Immune Systems. <i>Endocrinology</i> , 2005, 146, 33-34.	1.4	21
80	Therapeutic effects of stress-programmed lymphocytes transferred to chronically stressed mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 70, 1-7.	2.5	21
81	Intrahippocampal Colchicine Alters Hypothalamic Corticotropin-Releasing Hormone and Hippocampal Steroid Receptor mRNA in Rat Brain. <i>Neuroendocrinology</i> , 1992, 55, 121-133.	1.2	20
82	Physiological regulation of neurohypophyseal $\hat{\mu}$ -opiate receptors. <i>Brain Research</i> , 1988, 443, 398-402.	1.1	19
83	Hypothalamic lesions increase levels of neuropeptide Y mRNA in the arcuate nucleus of mice. <i>Neuroscience Letters</i> , 1994, 165, 13-17.	1.0	16
84	Selective anorexigenic effects of corticotropin releasing hormone in the rhesus monkey. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1991, 15, 379-391.	2.5	13
85	B-cells are abnormal in psychosocial stress and regulate meningeal myeloid cell activation. <i>Brain, Behavior, and Immunity</i> , 2021, 97, 226-238.	2.0	13
86	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, 2160-2168.	2.8	12
87	Three Promoters Regulate Tissue- and Cell Type-specific Expression of Murine Interleukin-1 Receptor Type I. <i>Journal of Biological Chemistry</i> , 2009, 284, 8703-8713.	1.6	11
88	Evidence that the delta-selective alkylating agent, FIT, alters the mu-noncompetitive opiate delta binding site. <i>Neuropeptides</i> , 1985, 6, 227-237.	0.9	10
89	Extrasynaptic receptors and parasynaptic communication in the brain. <i>Brain Research Bulletin</i> , 1999, 50, 351-352.	1.4	7
90	From Receptors to Brain Circuitry. , 1981, , 511-522.		7

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91	AUTORADIOGRAPHIC DEMONSTRATION OF RECEPTOR DISTRIBUTIONS. , 1984, , 127-152.		5
92	CCR2 monocytes repair cerebrovascular damage caused by chronic social defeat stress. <i>Brain, Behavior, and Immunity</i> , 2022, 101, 346-358.	2.0	4
93	Localization of cannabinoid CB1 receptor mRNA in neuronal subpopulations of rat striatum: A double-label in situ hybridization study. <i>Synapse</i> , 2000, 37, 71-80.	0.6	3
94	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, 150-160.	1.3	2
95	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, 371-382.	0.9	2
96	The contribution of microglia to "immunization against stress". <i>Brain, Behavior, and Immunity</i> , 2018, 73, 161-162.	2.0	1
97	Involvement of the Choroid Plexus and the Cerebrospinal Fluid in Immune Molecule Signaling in the Central Nervous System. , 2005, , 437-457.		0