Virginia M Pickel

List of Publications by Year
in descending order

91	5,947	81900 39	76900 74
papers	citations	h-index	g-index

92	92	92	4019
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prefrontal cortical distribution of muscarinic M2 and cannabinoid-1 (CB1) receptors in adult male mice with or without chronic adolescent exposure to Î”9-tetrahydrocannabinol. Cerebral Cortex, 2022, , .	2.9	1
2	Tumor Necrosis Factor Î± Receptor Type 1 Activation in the Hypothalamic Paraventricular Nucleus Contributes to Glutamate Signaling and Angiotensin II-Dependent Hypertension. Journal of Neuroscience, 2021, 41, 1349-1362.	3.6	17
3	Adolescent administration of Î”9-THC decreases the expression and function of muscarinic-1 receptors in prelimbic prefrontal cortical neurons of adult male mice. IBRO Neuroscience Reports, 2021, 11, 144-155.	1.6	3
4	Chronic adolescent exposure to âˆ†9-tetrahydrocannabinol decreases NMDA current and extrasynaptic plasmalemmal density of NMDA GluN1 subunits in the prelimbic cortex of adult male mice. Neuropsychopharmacology, 2020, 45, 374-383.	5.4	17
5	Sex and age differentially affect GABAergic neurons in the mouse prefrontal cortex and hippocampus following chronic intermittent hypoxia. Experimental Neurology, 2020, 325, 113075.	4.1	9
6	Endocannabinoid genetic variation enhances vulnerability to THC reward in adolescent female mice. Science Advances, 2020, 6, eaay1502.	10.3	19
7	Ultrastructural localization of cannabinoid CB1 and mGluR5 receptors in the prefrontal cortex and amygdala. Journal of Comparative Neurology, 2019, 527, 2730-2741.	1.6	22
8	Adolescent isolation rearing produces a prepulse inhibition deficit correlated with expression of the NMDA GluN1 subunit in the nucleus accumbens. Brain Structure and Function, 2018, 223, 3169-3181.	2.3	8
9	Redistribution of NMDA Receptors in Estrogen-Receptor-Î²-Containing Paraventricular Hypothalamic Neurons following Slow-Pressor Angiotensin II Hypertension in Female Mice with Accelerated Ovarian Failure. Neuroendocrinology, 2017, 104, 239-256.	2.5	22
10	Ultrastructural characterization of tumor necrosis factor alpha receptor type 1 distribution in the hypothalamic paraventricular nucleus of the mouse. Neuroscience, 2017, 352, 262-272.	2.3	8
11	Organic cation transporter 3 (OCT3) is localized to intracellular and surface membranes in select glial and neuronal cells within the basolateral amygdaloid complex of both rats and mice. Brain Structure and Function, 2017, 222, 1913-1928.	2.3	43
12	Alterations in the subcellular distribution of NADPH oxidase p47^{phox} in hypothalamic paraventricular neurons following slowâ€pressor angiotensin II hypertension in female mice with accelerated ovarian failure. Journal of Comparative Neurology, 2016, 524, 2251-2265.	1.6	11
13	Electron microscopic localization of M2â€muscarinic receptors in cholinergic and noncholinergic neurons of the laterodorsal tegmental and pedunculopontine nuclei of the rat mesopontine tegmentum. Journal of Comparative Neurology, 2016, 524, 3084-3103.	1.6	4
14	Energy deficit in parvalbumin neurons leads to circuit dysfunction, impaired sensory gating and social disability. Neurobiology of Disease, 2016, 93, 35-46.	4.4	87
15	Enkephalin levels and the number of neuropeptide Y-containing interneurons in the hippocampus are decreased in female cannabinoid-receptor 1 knock-out mice. Neuroscience Letters, 2016, 620, 97-103.	2.1	7
16	Female protection from slowâ€pressor effects of angiotensin II involves prevention of ROS production independent of NMDA receptor trafficking in hypothalamic neurons expressing angiotensin 1A receptors. Synapse, 2015, 69, 148-165.	1.2	30
17	NMDA Receptor Plasticity in the Hypothalamic Paraventricular Nucleus Contributes to the Elevated Blood Pressure Produced by Angiotensin II. Journal of Neuroscience, 2015, 35, 9558-9567.	3.6	39
18	Slowâ€pressor angiotensin II hypertension and concomitant dendritic NMDA receptor trafficking in estrogen receptor Î²â€"containing neurons of the mouse hypothalamic paraventricular nucleus are sex and age dependent. Journal of Comparative Neurology, 2014, 522, 3075-3090.	1.6	33

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19	Membrane Trafficking of NADPH Oxidase p47^{phox}in Paraventricular Hypothalamic Neurons Parallels Local Free Radical Production in Angiotensin II Slow-Pressor Hypertension. Journal of Neuroscience, 2013, 33, 4308-4316.	3.6	40
20	Angiotensin II slow-pressor hypertension enhances NMDA currents and NOX2-dependent superoxide production in hypothalamic paraventricular neurons. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R1096-R1106.	1.8	51
21	Angiotensin II (ANG II) slow pressor hypertension enhances NMDA receptor (NMDAR)â€mediated currents and Nox2â€dependent superoxide (O2â€) production in spinallyâ€projecting (SP) neurons of hypothalamic paraventricular nucleus (PVN). FASEB Journal, 2013, 27, 695.5.	0.5	0
22	Angiotensin II type 2 receptor-coupled nitric oxide production modulates free radical availability and voltage-gated Ca2+ currents in NTS neurons. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1076-R1083.	1.8	21
23	Central Cardiovascular Circuits Contribute to the Neurovascular Dysfunction in Angiotensin II Hypertension. Journal of Neuroscience, 2012, 32, 4878-4886.	3.6	89
24	Cannabinoid modulation of the dopaminergic circuitry: Implications for limbic and striatal output. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2012, 38, 21-29.	4.8	68
25	Phospholipases A2 (PLA2) and cyclooxygenase 1 (COXâ€1) are critical for angiotensin II (Angâ€II)â€induced reactive oxygen species (ROS) production and Lâ€type Ca2+ current in subfornical organ (SFO) neurons. FASEB Journal, 2012, 26, .	0.5	0
26	Chronic Intermittent Hypoxia Induces NMDA Receptor-Dependent Plasticity and Suppresses Nitric Oxide Signaling in the Mouse Hypothalamic Paraventricular Nucleus. Journal of Neuroscience, 2010, 30, 12103-12112.	3.6	61
27	Chronic intermittent hypoxia (CIH) disrupts neurovascular coupling and endothelium dependent responses in the mouse cerebral microcirculation. FASEB Journal, 2009, 23, 993.4.	0.5	0
28	Electrical stimulation of cerebellar fastigial nucleus protects rat brain, in vitro, from staurosporine-induced apoptosis. Journal of Neurochemistry, 2008, 79, 328-338.	3.9	25
29	Conditional deletion of the NMDA-NR1 receptor subunit gene in the central nucleus of the amygdala inhibits naloxone-induced conditioned place aversion in morphine-dependent mice. Experimental Neurology, 2008, 213, 57-70.	4.1	34
30	Activation of angiotensin II (AngII) typeâ€2 receptors (AT2R) modulates voltageâ€gated Ca2+ currents in dorsomedial NTS (dmNTS) neurons through nitric oxide (NO). FASEB Journal, 2008, 22, 1168.7.	0.5	0
31	Changes in the subcellular distribution of NADPH oxidase subunit p47phox in dendrites of rat dorsomedial nucleus tractus solitarius neurons in response to chronic administration of hypertensive agents. Experimental Neurology, 2007, 205, 383-395.	4.1	16
32	Subcellular distributions of adenosine A1 and A2A receptors in the rat dorsomedial nucleus of the solitary tract at the level of the area postrema. Synapse, 2006, 60, 496-509.	1.2	24
33	Nox2, Ca 2+ , and Protein Kinase C Play a Role in Angiotensin II-Induced Free Radical Production in Nucleus Tractus Solitarius. Hypertension, 2006, 48, 482-489.	2.7	100
34	Morphine Acutely Regulates Opioid Receptor Trafficking Selectively in Dendrites of Nucleus Accumbens Neurons. Journal of Neuroscience, 2003, 23, 4324-4332.	3.6	130
35	Chapter 12 Electron microscopic immunolabeling of transporters and receptors identifies transmitter-specific functional sites envisioned in Cajal's neuron. Progress in Brain Research, 2002, 136, 145-155.	1.4	21
36	Region-specific targeting of dopamine D2-receptors and somatodendritic vesicular monoamine transporter 2 (VMAT2) within ventral tegmental area subdivisions. Synapse, 2002, 45, 113-124.	1.2	41

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37	Major coexpression of ?-opioid receptors and the dopamine transporter in nucleus accumbens axonal profiles. Synapse, 2001, 42, 185-192.	1.2	126
38	Vesicular acetylcholine transporter in the rat nucleus accumbens shell: Subcellular distribution and association with ?-opioid receptors. Synapse, 2001, 40, 184-192.	1.2	20
39	Î¼â€Opioid receptors in the ventral tegmental area are targeted to presynaptically and directly modulate mesocortical projection neurons. Synapse, 2001, 41, 221-229.	1.2	48
40	Plasmalemmal Î¼-opioid receptor distribution mainly in nondopaminergic neurons in the rat ventral tegmental area. Synapse, 2001, 41, 311-328.	1.2	94
41	Subcellular localization of ?-2A-adrenergic receptors in the rat medial nucleus tractus solitarius: Regional targeting and relationship with catecholamine neurons. Journal of Comparative Neurology, 2001, 433, 193-207.	1.6	37
42	Targeting of serotonin 1a receptors to dopaminergic neurons within the parabrachial subdivision of the ventral tegmental area in rat brain. Journal of Comparative Neurology, 2001, 433, 390-400.	1.6	55
43	High-affinity neurotensin receptors in the rat nucleus accumbens: Subcellular targeting and relation to endogenous ligand. Journal of Comparative Neurology, 2001, 435, 142-155.	1.6	31
44	Dendritic and axonal targeting of the vesicular acetylcholine transporter to membranous cytoplasmic organelles in laterodorsal and pedunculopontine tegmental nuclei. , 2000, 419, 32-48.		26
45	Rostrocaudal variation in targeting ofN-methyl-D-aspartate and mu-opioid receptors in the rat medial nucleus of the solitary tract. Journal of Comparative Neurology, 2000, 421, 400-411.	1.6	24
46	?-opioid receptors are present in vagal afferents and their dendritic targets in the medial nucleus tractus solitarius. , 2000, 422, 181-190.		69
47	Dual ultrastructural localization of ?-opiate receptors and substance p in the dorsal horn. , 2000, 36, 12-20.		43
48	Presynaptic dopamine D4 receptor localization in the rat nucleus accumbens shell. Synapse, 2000, 36, 222-232.	1.2	55
49	Neurokinin 1 receptor distribution in cholinergic neurons and targets of substance P terminals in the rat nucleus accumbens. Journal of Comparative Neurology, 2000, 423, 500-511.	1.6	33
50	Neurokinin 1 receptor distribution in cholinergic neurons and targets of substance P terminals in the rat nucleus accumbens. Journal of Comparative Neurology, 2000, 423, 500-511.	1.6	1
51	Dopamine D4 Receptors Are Strategically Localized for Primary Involvement in the Presynaptic Effects of Dopamine in the Rat Nucleus Accumbens Shell. Annals of the New York Academy of Sciences, 1999, 877, 679-683.	3.8	3
52	Presence of ?-opioid receptors in targets of efferent projections from the central nucleus of the amygdala to the nucleus of the solitary tract. Synapse, 1999, 33, 141-152.	1.2	24
53	Localization of the ?-opioid receptor and dopamine transporter in the nucleus accumbens shell: Implications for opiate and psychostimulant cross-sensitization. Synapse, 1999, 34, 1-10.	1.2	62
54	Cholinergic axon terminals in the ventral tegmental area target a subpopulation of neurons expressing low levels of the dopamine transporter. Journal of Comparative Neurology, 1999, 410, 197-210.	1.6	125

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55	Localization of the Î¼â€opioid receptor and dopamine transporter in the nucleus accumbens shell: Implications for opiate and psychostimulant crossâ€sensitization. Synapse, 1999, 34, 1-10.	1.2	1
56	Y1 receptors in the nucleus accumbens: Ultrastructural localization and association with neuropeptide Y. , 1998, 52, 54-68.		40
57	Dendritic spines containing ?-opioid receptors in rat striatal patches receive asymmetric synapses from prefrontal corticostriatal afferents. Journal of Comparative Neurology, 1998, 396, 223-237.	1.6	40
58	Ultrastructural localization of sorcin, a 22 kDa calcium binding protein, in the rat caudate-putamen nucleus: Association with ryanodine receptors and intracellular calcium release. , 1997, 386, 625-634.		36
59	Vesicular monoamine transporter-2: Immunogold localization in striatal axons and terminals. , 1997, 26, 194-198.		74
60	Ultrastructural view of central catecholaminergic transmission: immunocytochemical localization of synthesizing enzymes, transporters and receptors. Journal of Neurocytology, 1996, 25, 843-856.	1.5	77
61	Pre- and postsynaptic sites for serotonin modulation of GABA-containing neurons in the shell region of the rat nucleus accumbens. , 1996, 371, 116-128.		51
62	Ultrastructural immunocytochemical localization of neurotensin and the dopamine D2 receptor in the rat nucleus accumbens. Journal of Comparative Neurology, 1996, 371, 552-566.	1.6	34
63	Ultrastructural immunocytochemical localization of ? opioid receptors and Leu5-enkephalin in the patch compartment of the rat caudate-putamen nucleus. , 1996, 375, 659-674.		68
64	Pyramidal neurons in rat prefrontal cortex show a complex synaptic response to single electrical stimulation of the locus coeruleus region: Evidence for antidromic activation and GABAergic inhibition using in vivo intracellular recording and electron microscopy. , 1996, 22, 313-331.		39
65	Ultrastructural characterization of neurons recorded intracellularly in vivo and injected with lucifer yellow: Advantages of immunogold-silver vs. immunoperoxidase labeling. Microscopy Research and Technique, 1995, 30, 427-436.	2.2	23
66	Dynorphin-immunoreactive neurons in the rat nucleus accumbens: Ultrastructure and synaptic input from terminals containing substance P and/or dynorphin. Journal of Comparative Neurology, 1995, 351, 117-133.	1.6	45
67	Immunocytochemical localization of the renal neutral and basic amino acid transporter in rat adrenal gland, brainstem, and spinal cord. Journal of Comparative Neurology, 1995, 356, 505-522.	1.6	21
68	Comparative ultrastructural localization of the NMDAR1 glutamate receptor in the rat basolateral amygdala and bed nucleus of the stria terminalis. Journal of Comparative Neurology, 1995, 362, 71-85.	1.6	81
69	Morphologically heterogeneous met-enkephalin terminals form synapses with tyrosine hydroxylase-containing dendrites in the rat nucleus locus coeruleus. Journal of Comparative Neurology, 1995, 363, 423-438.	1.6	61
70	Neuropeptide Y and dynorphin-immunoreactive large dense-core vesicles are strategically localized for presynaptic modulation in the hippocampal formation and substantia nigra. Synapse, 1995, 19, 160-169.	1.2	50
71	Analysis of synaptic inputs and targets of physiologically characterized neurons in rat frontal cortex: Combined in vivo intracellular recording and immunolabeling. Synapse, 1994, 17, 101-114.	1.2	53
72	Dynorphin-immunoreactive terminals in the rat nucleus accumbens: Cellular sites for modulation of target neurons and interactions with catecholamine afferents. Journal of Comparative Neurology, 1994, 341, 1-15.	1.6	58

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73	Localization of tyrosine hydroxylase in neuronal targets and efferents of the area postrema in the nucleus tractus solitarii of the rat. Journal of Comparative Neurology, 1993, 329, 337-353.	1.6	43
74	Ultrastructure of serotonin-immunoreactive terminals in the core and shell of the rat nucleus accumbens: Cellular substrates for interactions with catecholamine afferents. Journal of Comparative Neurology, 1993, 334, 603-617.	1.6	178
75	Prefrontal cortical efferents in the rat synapse on unlabeled neuronal targets of catecholamine terminals in the nucleus accumbens septi and on dopamine neurons in the ventral tegmental area. Journal of Comparative Neurology, 1992, 320, 145-160.	1.6	755
76	Ultrastructural localization of neurotensin-like immunoreactivity within dense core vesicles in perikarya, but not terminals, colocalizing tyrosine hydroxylase in the rat ventral tegmental area. Journal of Comparative Neurology, 1991, 311, 179-196.	1.6	44
77	Neuropeptide Y in Cortex and Striatum.. Annals of the New York Academy of Sciences, 1990, 611, 186-205.	3.8	70
78	Ultrastructural characterization of substance P-like immunoreactive neurons in the rostral ventrolateral medulla in relation to neurons containing catecholamine-synthesizing enzymes. Journal of Comparative Neurology, 1988, 270, 427-445.	1.6	79
79	Gamma-aminobutyric acid in the medial rat nucleus accumbens: Ultrastructural localization in neurons receiving monosynaptic input from catecholaminergic afferents. Journal of Comparative Neurology, 1988, 272, 1-14.	1.6	114
80	Neurotensin in the rat parabrachial region: Ultrastructural localization and extrinsic sources of immunoreactivity. Journal of Comparative Neurology, 1986, 247, 326-343.	1.6	45
81	Characterization of chemically defined neurons and their cellular relationships by combined immunocytochemistry and radioautographic localization of transmitter uptake sites. Journal of Electron Microscopy Technique, 1986, 4, 21-39.	1.1	15
82	Serotoninergic terminals: Ultrastructure and synaptic interaction with catecholamine-containing neurons in the medial nuclei of the solitary tracts. Journal of Comparative Neurology, 1984, 225, 291-301.	1.6	93
83	Early prenatal development of substance P and enkephalin-containing neurons in the rat. Journal of Comparative Neurology, 1982, 210, 411-422.	1.6	75
84	Distribution of dopamine-, noradrenaline-, and adrenaline-containing cell bodies in the rat medulla oblongata: Demonstrated by the immunocytochemical localization of catecholamine biosynthetic enzymes. Journal of Comparative Neurology, 1982, 212, 173-187.	1.6	371
85	Light-microscopic immunocytochemical localization of tyrosine hydroxylase in prenatal rat brain. I. Early ontogeny. Journal of Comparative Neurology, 1981, 199, 233-253.	1.6	387
86	Light-microscopic immunocytochemical localization of tyrosine hydroxylase in prenatal rat brain. II. Late ontogeny. Journal of Comparative Neurology, 1981, 199, 255-276.	1.6	346
87	Immunohistochemical localization of the catecholamine-synthesizing enzymes, substance P and enkephalin in the human fetal sympathetic ganglion. Cell and Tissue Research, 1981, 214, 33-42.	2.9	34
88	Immunocytochemical localization of enkephalin in the neostriatum of rat brain: A light and electron microscopic study. Journal of Comparative Neurology, 1980, 189, 721-740.	1.6	237
89	Immunocytochemical localization of enkephalin and substance P in the dorsal tegmental nuclei in human fetal brain. Journal of Comparative Neurology, 1980, 193, 805-814.	1.6	37
90	Immunocytochemical localization of tyrosine hydroxylase in the human fetal nervous system. Journal of Comparative Neurology, 1980, 194, 465-474.	1.6	72

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91	Strain-dependent variations in number of midbrain dopaminergic neurones. Nature, 1976, 264, 654-656.	27.8	123