Kristi Anne Kohlmeier

List of Publications by Year
in descending order

63	1,512	471509	330143
papers	citations	17 h-index	37 g-index

65	65	65	1479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distinct Narcolepsy Syndromes in Orexin Receptor-2 and Orexin Null Mice. Neuron, 2003, 38, 715-730.	8.1	603
2	Hypocretin/Orexin Peptide Signaling in the Ascending Arousal System: Elevation of Intracellular Calcium in the Mouse Dorsal Raphe and Laterodorsal Tegmentum. Journal of Neurophysiology, 2004, 92, 221-235.	1.8	90
3	Calcium Dynamics and Electrophysiological Properties of Cerebellar Purkinje Cells in SCA1 Transgenic Mice. Journal of Neurophysiology, 2001, 85, 1750-1760.	1.8	57
4	Differential actions of orexin receptors in brainstem cholinergic and monoaminergic neurons revealed by receptor knockouts: implications for orexinergic signaling in arousal and narcolepsy. Frontiers in Neuroscience, 2013, 7, 246.	2.8	44
5	Hippocampal disruptions of synaptic and astrocyte metabolism are primary events of early amyloid pathology in the 5xFAD mouse model of Alzheimerâ€™s disease. Cell Death and Disease, 2021, 12, 954.	6.3	41
6	Functional interaction between Lypd6 and nicotinic acetylcholine receptors. Journal of Neurochemistry, 2016, 138, 806-820.	3.9	32
7	Nicotinic Activation of Laterodorsal Tegmental Neurons: Implications for Addiction to Nicotine. Neuropsychopharmacology, 2009, 34, 2529-2547.	5.4	31
8	Transmitter modulation of spike-evoked calcium transients in arousal related neurons: muscarinic inhibition of SNX-482-sensitive calcium influx. European Journal of Neuroscience, 2006, 23, 1151-1162.	2.6	27
9	Are Sleep Disturbances Preclinical Markers of Parkinsonâ€™s Disease?. Neurochemical Research, 2015, 40, 421-427.	3.3	26
10	Substance P in the descending cholinergic projection to REM sleep-induction regions of the rat pontine reticular formation: anatomical and electrophysiological analyses. European Journal of Neuroscience, 2002, 15, 176-196.	2.6	25
11	Estrogen attenuates physical and psychological stressâ€induced cognitive impairments in ovariectomized rats. Brain and Behavior, 2021, 11, e02139.	2.2	25
12	Prenatal nicotine exposure in mice induces sex-dependent anxiety-like behavior, cognitive deficits, hyperactivity, and changes in the expression of glutamate receptor associated-genes in the prefrontal cortex. Pharmacology Biochemistry and Behavior, 2020, 195, 172951.	2.9	25
13	Age-related changes in nicotine response of cholinergic and non-cholinergic laterodorsal tegmental neurons: Implications for the heightened adolescent susceptibility to nicotine addiction. Neuropharmacology, 2014, 85, 263-283.	4.1	23
14	Knockouts reveal overlapping functions of M₂ and M₄ muscarinic receptors and evidence for a local glutamatergic circuit within the laterodorsal tegmental nucleus. Journal of Neurophysiology, 2012, 108, 2751-2766.	1.8	22
15	Cellular and Molecular Changes in Hippocampal Glutamate Signaling and Alterations in Learning, Attention, and Impulsivity Following Prenatal Nicotine Exposure. Molecular Neurobiology, 2020, 57, 2002-2020.	4.0	21
16	Pharmacological evidence of functional inhibitory metabotrophic glutamate receptors on mouse arousal-related cholinergic laterodorsal tegmental neurons. Neuropharmacology, 2013, 66, 99-113.	4.1	19
17	Addiction and the cerebellum with a focus on actions of opioid receptors. Neuroscience and Biobehavioral Reviews, 2021, 131, 229-247.	6.1	19
18	Prenatal nicotine is associated with reduced AMPA and NMDA receptor-mediated rises in calcium within the laterodorsal tegmentum: a pontine nucleus involved in addiction processes. Journal of Developmental Origins of Health and Disease, 2015, 6, 225-241.	1.4	18

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19	Disparate cholinergic currents in rat principal trigeminal sensory nucleus neurons mediated by M1 and M2 receptors: a possible mechanism for selective gating of afferent sensory neurotransmission. European Journal of Neuroscience, 2006, 23, 3245-3258.	2.6	17
20	Treatment of sleeping disorders should be considered in clinical management of Parkinson's disease. Frontiers in Aging Neuroscience, 2014, 6, 273.	3.4	17
21	Bipolar disorder and the endocannabinoid system. Acta Neuropsychiatrica, 2019, 31, 193-201.	2.1	17
22	Prenatal Nicotine Exposure in Rodents: Why Are There So Many Variations in Behavioral Outcomes?. Nicotine and Tobacco Research, 2020, 22, 1694-1710.	2.6	17
23	Off the Beaten Path: Drug Addiction and the Pontine Laterodorsal Tegmentum. ISRN Neuroscience, 2013, 2013, 1-24.	1.5	16
24	Nicotinic Acetylcholine Receptors in the Pathophysiology of Al zheimer's Disease: The Role of Protein-Protein Interactions in Current and Future Treatment. Current Pharmaceutical Design, 2016, 22, 2015-2034.	1.9	16
25	Comparison of bNOS and chat immunohistochemistry in the laterodorsal tegmentum (LDT) and the pedunculopontine tegmentum (PPT) of the mouse from brain slices prepared for electrophysiology. Journal of Neuroscience Methods, 2016, 263, 23-35.	2.5	14
26	Hair in Parkinson's disease patients exhibits differences in Calcium, Iron and Zinc concentrations measured by flame atomic absorption spectrometry â˜ FAAS. Journal of Trace Elements in Medicine and Biology, 2018, 47, 134-139.	3.0	14
27	Prenatal nicotine exposure alters postsynaptic AMPA receptors and glutamate neurotransmission within the laterodorsal tegmentum (LDT) of juvenile mice. Neuropharmacology, 2018, 137, 71-85.	4.1	14
28	Hyperexcitability of VTA dopaminergic neurons in male offspring exposed to physical or psychological prenatal stress. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 101, 109923.	4.8	14
29	Electrophysiological changes in laterodorsal tegmental neurons associated with prenatal nicotine exposure: implications for heightened susceptibility to addict to drugs of abuse. Journal of Developmental Origins of Health and Disease, 2015, 6, 182-200.	1.4	13
30	The 5-HT3 receptor antagonist ondansetron potentiates the effects of the acetylcholinesterase inhibitor donepezil on neuronal network oscillations in the rat dorsal hippocampus. Neuropharmacology, 2018, 143, 130-142.	4.1	13
31	Alterations in NMDAR-mediated signaling within the laterodorsal tegmental nucleus are associated with prenatal nicotine exposure. Neuropharmacology, 2019, 158, 107744.	4.1	13
32	Calcium rises induced by AMPA and nicotine receptors in the ventral tegmental area show differences in mouse brain slices prenatally exposed to nicotine. Developmental Neurobiology, 2018, 78, 828-848.	3.0	12
33	Neurophysiological evidence for the presence of cannabinoid CB1 receptors in the laterodorsal tegmental nucleus. European Journal of Neuroscience, 2014, 40, 3635-3652.	2.6	11
34	Co-treatment of vitamin D supplementation with enriched environment improves synaptic plasticity and spatial learning and memory in aged rats. Psychopharmacology, 2021, 238, 2297-2312.	3.1	11
35	Nicotine during pregnancy: changes induced in neurotransmission, which could heighten proclivity to addict and induce maladaptive control of attention. Journal of Developmental Origins of Health and Disease, 2015, 6, 169-181.	1.4	10
36	Endocannabinoid CB1 receptor-mediated rises in Ca2+ and depolarization-induced suppression of inhibition within the laterodorsal tegmental nucleus. Brain Structure and Function, 2016, 221, 1255-1277.	2.3	10

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37	Loss of Lypd6 leads to reduced anxiety-like behaviour and enhanced responses to nicotine. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 82, 86-94.	4.8	10
38	Sex-related differences within sleepâ€“wake dynamics, cataplexy, and EEG fast-delta power in a narcolepsy mouse model. Sleep, 2022, , .	1.1	10
39	Higher zinc concentrations in hair of Parkinsonâ€™s disease are associated with psychotic complications and depression. Journal of Neural Transmission, 2019, 126, 1291-1301.	2.8	8
40	The appetite-inducing peptide, ghrelin, induces intracellular store-mediated rises in calcium in addiction and arousal-related laterodorsal tegmental neurons in mouse brain slices. Peptides, 2015, 65, 34-45.	2.4	7
41	Anandamide and 2-AG are endogenously present within the laterodorsal tegmental nucleus: Functional implications for a role of eCBs in arousal. Brain Research, 2017, 1665, 74-79.	2.2	7
42	Increasing cellular lifespan with a flow system in organotypic culture of the Laterodorsal Tegmentum (LDT). Scientific Reports, 2019, 9, 1486.	3.3	7
43	Plasticity in the Brainstem: Prenatal and Postnatal Experience Can Alter Laterodorsal Tegmental (LDT) Structure and Function. Frontiers in Synaptic Neuroscience, 2020, 12, 3.	2.5	7
44	Ageâ€related changes in functional postsynaptic nicotinic acetylcholine receptor subunits in neurons of the laterodorsal tegmental nucleus, a nucleus important in drug addiction. Addiction Biology, 2016, 21, 267-281.	2.6	5
45	Acute cocaine exposure elicits rises in calcium in arousal-related laterodorsal tegmental neurons. Pharmacology Research and Perspectives, 2017, 5, e00282.	2.4	5
46	Neuropeptide S (NPS) is a neuropeptide with cellular actions in arousal and anxiety-related nuclei: Functional implications for effects of NPS on wakefulness and mood. Neuropharmacology, 2017, 126, 292-317.	4.1	5
47	Characterization of AN317, a novel selective agonist of Î±6Î²2-containing nicotinic acetylcholine receptors. Biochemical Pharmacology, 2020, 174, 113786.	4.4	5
48	Stress-related endogenous neuropeptides induce neuronal excitation in the Laterodorsal Tegmentum. European Neuropsychopharmacology, 2020, 38, 86-97.	0.7	5
49	Characterization of AN6001, a positive allosteric modulator of Î±6Î²2-containing nicotinic acetylcholine receptors. Biochemical Pharmacology, 2020, 174, 113788.	4.4	4
50	Sexâ€specific alterations in GABA receptorâ€mediated responses in laterodorsal tegmentum are associated with prenatal exposure to nicotine. Developmental Neurobiology, 2020, 80, 178-199.	3.0	4
51	Parkinsonâ€™s disease related alterations in cannabinoid transmission. Brain Research Bulletin, 2022, 178, 82-96.	3.0	4
52	Affective dimensions of pain and region -specific involvement of nitric oxide in the development of empathic hyperalgesia. Scientific Reports, 2020, 10, 10141.	3.3	3
53	Looking into a Deluded Brain through a Neuroimaging Lens. Neuroscientist, 2021, 27, 73-87.	3.5	3
54	Î±-Synuclein Responses in the Laterodorsal Tegmentum, the Pedunculopontine Tegmentum, and the Substantia Nigra: Implications for Early Appearance of Sleep Disorders in Parkinsonâ€™s Disease. Journal of Parkinson's Disease, 2021, 11, 1-18.	2.8	3

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55	Electrophysiological and inflammatory changes of CA1 area in male rats exposed to acute kidney injury: Neuroprotective effects of erythropoietin. Brain Research Bulletin, 2021, 171, 25-34.	3.0	3
56	Prenatal nicotine alters development of the laterodorsal tegmentum: Possible role for attention-deficit/hyperactivity disorder and drug dependence. World Journal of Psychiatry, 2022, 12, 212-238.	2.7	3
57	Erythropoietin attenuates locomotor and cognitive impairments in male rats subjected to physical and psychological stress. IBRO Neuroscience Reports, 2022, 12, 303-308.	1.6	3
58	Synaptically Located Nicotinic Acetylcholine Receptor Subunits in Neurons Involved in Dependency to Nicotine. , 2019, , 49-56.		1
59	Prenatal exposure to nicotine in mice is associated with alterations in development and cellular and synaptic effects of alcohol in a brainstem arousal nucleus. Neurotoxicology and Teratology, 2021, 87, 106980.	2.4	1
60	Hypocretin/Orexin Receptor Functions in Mesopontine Systems Regulating Sleep, Arousal, and Cataplexy. , 2011, , 139-151.		1
61	Hypocretin/Orexin Actions on Mesopontine Cholinergic Systems Controling Behavioral State. , 2005, , 153-168.		1
62	Developmental effects of nicotine on cognitive, motivated, and executive behaviors. , 2021, , 173-183.		0
63	Lower calcium levels in hair of Parkinsonâ€™s disease patients are associated with presence of sleeping disturbances. Nutritional Neuroscience, 2021, , 1-11.	3.1	0