Thomas L Kash

List of Publications by Year
in descending order

89 papers	6,968 citations	53794 45 h-index	66911 78 g-index
124 all docs	124 docs citations	124 times ranked	6848 citing authors

#	Article	IF	Citations
1	Distinct extended amygdala circuits for divergent motivational states. Nature, 2013, 496, 224-228.	27.8	600
2	Serotonin engages an anxiety and fear-promoting circuit in the extended amygdala. Nature, 2016, 537, 97-101.	27.8	362
3	A New DREADD Facilitates the Multiplexed Chemogenetic Interrogation of Behavior. Neuron, 2015, 86, 936-946.	8.1	320
4	Coupling of agonist binding to channel gating in the GABAA receptor. Nature, 2003, 421, 272-275.	27.8	300
5	Distinct Subpopulations of Nucleus Accumbens Dynorphin Neurons Drive Aversion and Reward. Neuron, 2015, 87, 1063-1077.	8.1	276
6	Strain Differences in Stress Responsivity Are Associated with Divergent Amygdala Gene Expression and Glutamate-Mediated Neuronal Excitability. Journal of Neuroscience, 2010, 30, 5357-5367.	3.6	224
7	Chronic alcohol remodels prefrontal neurons and disrupts NMDAR-mediated fear extinction encoding. Nature Neuroscience, 2012, 15, 1359-1361.	14.8	203
8	NPY signaling inhibits extended amygdala CRF neurons to suppress binge alcohol drinking. Nature Neuroscience, 2015, 18, 545-552.	14.8	173
9	Fear extinction requires infralimbic cortex projections to the basolateral amygdala. Translational Psychiatry, 2018, 8, 60.	4.8	168
10	Neuropeptide Y and corticotropin-releasing factor bi-directionally modulate inhibitory synaptic transmission in the bed nucleus of the stria terminalis. Neuropharmacology, 2006, 51, 1013-1022.	4.1	151
11	DREADD Agonist 21 Is an Effective Agonist for Muscarinic-Based DREADDs in Vitro and in Vivo. ACS Pharmacology and Translational Science, 2018, 1, 61-72.	4.9	143
12	Effects of chronic ethanol exposure on neuronal function in the prefrontal cortex and extended amygdala. Neuropharmacology, 2015, 99, 735-749.	4.1	141
13	Chemogenetic Inactivation of Ventral Hippocampal Glutamatergic Neurons Disrupts Consolidation of Contextual Fear Memory. Neuropsychopharmacology, 2014, 39, 1880-1892.	5.4	135
14	Dynorphin Controls the Gain of an Amygdalar Anxiety Circuit. Cell Reports, 2016, 14, 2774-2783.	6.4	134
15	Corticotropin Releasing Factor Signaling in the Central Amygdala is Recruited during Binge-Like Ethanol Consumption in C57BL/6J Mice. Journal of Neuroscience, 2012, 32, 3405-3413.	3.6	133
16	Mu Opioid Receptor Modulation of Dopamine Neurons in the Periaqueductal Gray/Dorsal Raphe: A Role in Regulation of Pain. Neuropsychopharmacology, 2016, 41, 2122-2132.	5.4	124
17	Alcohol Exposure Alters NMDAR Function in the Bed Nucleus of the Stria Terminalis. Neuropsychopharmacology, 2009, 34, 2420-2429.	5.4	123
18	Presynaptic Inhibition of Gamma-Aminobutyric Acid Release in the Bed Nucleus of the Stria Terminalis by Kappa Opioid Receptor Signaling. Biological Psychiatry, 2012, 71, 725-732.	1.3	122

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19	Norepinephrine Modulates Glutamatergic Transmission in the Bed Nucleus of the Stria Terminalis. Neuropsychopharmacology, 2005, 30, 657-668.	5.4	119
20	Elucidation of The Behavioral Program and Neuronal Network Encoded by Dorsal Raphe Serotonergic Neurons. Neuropsychopharmacology, 2016, 41, 1404-1415.	5.4	118
21	Dopamine Enhances Fast Excitatory Synaptic Transmission in the Extended Amygdala by a CRF-R1-Dependent Process. Journal of Neuroscience, 2008, 28, 13856-13865.	3.6	111
22	Extended Amygdala to Ventral Tegmental Area Corticotropin-Releasing Factor Circuit Controls Binge Ethanol Intake. Biological Psychiatry, 2017, 81, 930-940.	1.3	109
23	Directed Evolution of a Selective and Sensitive Serotonin Sensor via Machine Learning. Cell, 2020, 183, 1986-2002.e26.	28.9	104
24	Sex differences in the behavioral sequelae of chronic ethanol exposure. Alcohol, 2017, 58, 53-60.	1.7	97
25	Central Amygdala Prepronociceptin-Expressing Neurons Mediate Palatable Food Consumption and Reward. Neuron, 2019, 102, 1037-1052.e7.	8.1	95
26	Kappa opioid receptor signaling in the brain: Circuitry and implications for treatment. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2015, 62, 51-60.	4.8	94
27	Neuropeptide Regulation of Signaling and Behavior in the BNST. Molecules and Cells, 2015, 38, 1-13.	2.6	92
28	Moderate Alcohol Drinking and the Amygdala Proteome: Identification and Validation of Calcium/Calmodulin Dependent Kinase II and AMPA Receptor Activity as Novel Molecular Mechanisms of the Positive Reinforcing Effects of Alcohol. Biological Psychiatry, 2016, 79, 430-442.	1.3	91
29	Lateral Hypothalamus GABAergic Neurons Modulate Consummatory Behaviors Regardless of the Caloric Content or Biological Relevance of the Consumed Stimuli. Neuropsychopharmacology, 2016, 41, 1505-1512.	5.4	85
30	Distinct forms of G _q -receptor-dependent plasticity of excitatory transmission in the BNST are differentially affected by stress. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2271-2276.	7.1	75
31	Neurobiological mechanisms contributing to alcoholâ€“stressâ€“anxiety interactions. Alcohol, 2009, 43, 509-519.	1.7	72
32	The bed nucleus of the stria terminalis in drug-associated behavior and affect: A circuit-based perspective. Neuropharmacology, 2017, 122, 100-106.	4.1	72
33	New insights on neurobiological mechanisms underlying alcohol addiction. Neuropharmacology, 2013, 67, 223-232.	4.1	68
34	Chronic EtOH effects on putative measures of compulsive behavior in mice. Addiction Biology, 2017, 22, 423-434.	2.6	66
35	Periaqueductal gray/dorsal raphe dopamine neurons contribute to sex differences in pain-related behaviors. Neuron, 2021, 109, 1365-1380.e5.	8.1	66
36	Charged Residues in the Î²2 Subunit Involved in GABAA Receptor Activation. Journal of Biological Chemistry, 2004, 279, 4887-4893.	3.4	64

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37	Alcohol Inhibits NR2B-Containing NMDA Receptors in the Ventral Bed Nucleus of the Stria Terminalis. Neuropsychopharmacology, 2008, 33, 1379-1390.	5.4	64
38	Î²-Adrenergic Receptors Enhance Excitatory Transmission in the Bed Nucleus of the Stria Terminalis Through a Corticotrophin-Releasing Factor Receptorâ€“Dependent and Cocaine-Regulated Mechanism. Biological Psychiatry, 2011, 69, 1083-1090.	1.3	63
39	Central Neuropeptide Y Modulates Binge-Like Ethanol Drinking in C57BL/6J Mice via Y1 and Y2 Receptors. Neuropsychopharmacology, 2012, 37, 1409-1421.	5.4	62
40	Chronic stress dysregulates amygdalar output to the prefrontal cortex. Neuropharmacology, 2018, 139, 68-75.	4.1	61
41	Repeated Cycles of Bingeâ€Like Ethanol (<scp>E</scp>t<scp>OH</scp>)â€Drinking in Male <scp>C</scp>57<scp>BL</scp>/6<scp>J</scp> Mice Augments Subsequent Voluntary <scp>E</scp>t<scp>OH</scp> Intake But Not Other Dependenceâ€Like Phenotypes. Alcoholism: Clinical and Experimental Research, 2013, 37, 1688-1695.	2.4	60
42	Ethanol induced adaptations in 5-HT2c receptor signaling in the bed nucleus of the stria terminalis: Implications for anxiety during ethanol withdrawal. Neuropharmacology, 2015, 89, 157-167.	4.1	58
43	Dynorphin-kappa opioid receptor activity in the central amygdala modulates binge-like alcohol drinking in mice. Neuropsychopharmacology, 2019, 44, 1084-1092.	5.4	58
44	The role of biogenic amine signaling in the bed nucleus of the stria terminals in alcohol abuse. Alcohol, 2012, 46, 303-308.	1.7	56
45	Functional Alterations in the Dorsal Raphe Nucleus Following Acute and Chronic Ethanol Exposure. Neuropsychopharmacology, 2015, 40, 590-600.	5.4	56
46	Glutamatergic mechanisms associated with stress-induced amygdala excitability and anxiety-related behavior. Neuropharmacology, 2014, 85, 190-197.	4.1	55
47	Kappa opioid receptor and dynorphin signaling in the central amygdala regulates alcohol intake. Molecular Psychiatry, 2021, 26, 2187-2199.	7.9	49
48	Integrated circuits and molecular components for stress and feeding: implications for eating disorders. Genes, Brain and Behavior, 2015, 14, 85-97.	2.2	46
49	Prepronociceptin-Expressing Neurons in the Extended Amygdala Encode and Promote Rapid Arousal Responses to Motivationally Salient Stimuli. Cell Reports, 2020, 33, 108362.	6.4	45
50	Chronic ethanol exposure leads to divergent control of dopaminergic synapses in distinct target regions. Alcohol, 2008, 42, 179-190.	1.7	40
51	Chronic intermittent ethanol exposure dysregulates a GABAergic microcircuit in the bed nucleus of the stria terminalis. Neuropharmacology, 2020, 168, 107759.	4.1	40
52	Chronic inflammatory pain drives alcohol drinking in a sex-dependent manner for C57BL/6J mice. Alcohol, 2019, 77, 135-145.	1.7	37
53	The paraventricular thalamus provides a polysynaptic brake on limbic CRF neurons to sex-dependently blunt binge alcohol drinking and avoidance behavior in mice. Nature Communications, 2021, 12, 5080.	12.8	36
54	Chronic stress alters neuropeptide Y signaling in the bed nucleus of the stria terminalis in DBA/2J but not C57BL/6J mice. Neuropharmacology, 2012, 62, 1777-1786.	4.1	35

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55	Serotonin's Complex Role in Alcoholism: Implications for Treatment and Future Research. Alcoholism: Clinical and Experimental Research, 2016, 40, 1192-1201.	2.4	34
56	Glutamate plasticity woven through the progression to alcohol use disorder: a multi-circuit perspective. F1000Research, 2017, 6, 298.	1.6	34
57	Coordination of social behaviors by the bed nucleus of the stria terminalis. European Journal of Neuroscience, 2022, 55, 2404-2420.	2.6	32
58	The pre-M1 segment of the Î±1 subunit is a transduction element in the activation of the GABAAreceptor. Journal of Physiology, 2006, 575, 11-22.	2.9	30
59	Effects of chronic alcohol consumption on neuronal function in the non-human primate BNST. Addiction Biology, 2016, 21, 1151-1167.	2.6	30
60	Nociceptin receptor antagonist SB 612111 decreases high fat diet binge eating. Behavioural Brain Research, 2016, 307, 25-34.	2.2	30
61	Effects of sex and deletion of neuropeptide Y2 receptors from GABAergic neurons on affective and alcohol drinking behaviors in mice. Frontiers in Integrative Neuroscience, 2013, 7, 100.	2.1	28
62	Evaluation of a proposed mechanism of ligand-gated ion channel activation in the GABAA and glycine receptors. Neuroscience Letters, 2004, 371, 230-234.	2.1	27
63	Alcohol effects on synaptic transmission in periaqueductal gray dopamine neurons. Alcohol, 2013, 47, 279-287.	1.7	26
64	Potent and Selective Peptide-based Inhibition of the G Protein GÎ±q. Journal of Biological Chemistry, 2016, 291, 25608-25616.	3.4	26
65	Ethanol-induced conditioned place preference and aversion differentially alter plasticity in the bed nucleus of stria terminalis. Neuropsychopharmacology, 2019, 44, 1843-1854.	5.4	25
66	Mechanisms of Neuroplasticity and Ethanol's Effects on Plasticity in the Striatum and Bed Nucleus of the Stria Terminalis. , 2015, 37, 109-24.		24
67	Assessing negative affect in mice during abstinence from alcohol drinking: Limitations and future challenges. Alcohol, 2022, 100, 41-56.	1.7	23
68	Sex-Dependent Modulation of Anxiety and Fear by 5-HT_{1A} Receptors in the Bed Nucleus of the Stria Terminalis. ACS Chemical Neuroscience, 2019, 10, 3154-3166.	3.5	22
69	An isotropic EPI database and analytical pipelines for rat brain resting-state fMRI. NeuroImage, 2021, 243, 118541.	4.2	20
70	The kappa opioid receptor modulates GABA neuron excitability and synaptic transmission in midbrain projections from the insular cortex. Neuropharmacology, 2020, 165, 107831.	4.1	19
71	Molecular volume determines the activity of the halogenated alkane bromoform at wild-type and mutant GABAA receptors. Brain Research, 2003, 960, 36-41.	2.2	17
72	NMDAR LTP and LTD induction: 2B or Not 2B...is that the question?. Debates in Neuroscience, 2007, 1, 79-84.	1.7	14

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73	Cocaine- and stress-primed reinstatement of drug-associated memories elicit differential behavioral and frontostriatal circuit activity patterns via recruitment of L-type Ca2+ channels. Molecular Psychiatry, 2020, 25, 2373-2391.	7.9	14
74	Corticotropin-releasing factor neurons in the bed nucleus of the stria terminalis exhibit sex-specific pain encoding in mice. Scientific Reports, 2021, 11, 12500.	3.3	14
75	Effect of amphetamine-induced dopamine release on radiotracer binding to D1 and D2 receptors in rat brain striatal slices. Naunyn-Schmiedeberg's Archives of Pharmacology, 2000, 362, 413-418.	3.0	13
76	Excitatory drive onto dopaminergic neurons in the rostral linear nucleus is enhanced by norepinephrine in an Î±1 adrenergic receptor-dependent manner. Neuropharmacology, 2014, 86, 116-124.	4.1	11
77	NMDA receptor GluN2A subunit deletion protects against dependence-like ethanol drinking. Behavioural Brain Research, 2018, 353, 124-128.	2.2	10
78	Îº-Opioid Receptor Modulation of GABAergic Inputs onto Ventrolateral Periaqueductal Gray Dopamine Neurons. Molecular Neuropsychiatry, 2019, 5, 190-199.	2.9	10
79	Forebrain-Midbrain Circuits and Peptides Involved in Hyperalgesia After Chronic Alcohol Exposure. Alcohol Research: Current Reviews, 2021, 41, 13.	3.6	7
80	Lowâ€dose alcohol: Interoceptive and molecular effects and the role of dentate gyrus in rats. Addiction Biology, 2021, 26, e12965.	2.6	6
81	Tumor necrosis factor-Î± modulates GABAergic and dopaminergic neurons in the ventrolateral periaqueductal gray of female mice. Journal of Neurophysiology, 2021, 126, 2119-2129.	1.8	4
82	Activation of the dorsal septum increases alcohol consumption in male C57BL/6J mice. Addiction Neuroscience, 2022, 3, 100023.	1.3	3
83	A Gut Feeling about Dopamine. Neuron, 2020, 106, 703-704.	8.1	2
84	Structural elements governing activation and modulation of GABAA receptors. International Congress Series, 2005, 1283, 26-31.	0.2	0
85	Drinking through the pain. Nature Neuroscience, 2013, 16, 987-988.	14.8	0
86	108. Synaptic Mechanisms of BNST CRF Neuron Excitability Regulating Alcohol Drinking Behavior and Anxiety. Biological Psychiatry, 2017, 81, S45-S46.	1.3	0
87	F12. Bed Nucleus of Stria Terminalis (BNST) CRF Circuits for Anxiety-Like Behaviors. Biological Psychiatry, 2018, 83, S241-S242.	1.3	0
88	A dual-virus strategy for the deletion of cacan1c within the prelimbic to nucleus accumbens core projection. Molecular Psychiatry, 2020, 25, 2201-2202.	7.9	0
89	Paranigral VTA Nociceptin Neurons Constrain Motivation for Reward. Biological Psychiatry, 2020, 87, S80-S81.	1.3	0