

Thomas L Kash

List of Publications by Year in descending order

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89
papers

6,968
citations

53751

45
h-index

66879

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. <i>Nature</i> , 2013, 496, 224-228.	13.7	600
2	Serotonin engages an anxiety and fear-promoting circuit in the extended amygdala. <i>Nature</i> , 2016, 537, 97-101.	13.7	362
3	A New DREADD Facilitates the Multiplexed Chemogenetic Interrogation of Behavior. <i>Neuron</i> , 2015, 86, 936-946.	3.8	320
4	Coupling of agonist binding to channel gating in the GABAA receptor. <i>Nature</i> , 2003, 421, 272-275.	13.7	300
5	Distinct Subpopulations of Nucleus Accumbens Dynorphin Neurons Drive Aversion and Reward. <i>Neuron</i> , 2015, 87, 1063-1077.	3.8	276
6	Strain Differences in Stress Responsivity Are Associated with Divergent Amygdala Gene Expression and Glutamate-Mediated Neuronal Excitability. <i>Journal of Neuroscience</i> , 2010, 30, 5357-5367.	1.7	224
7	Chronic alcohol remodels prefrontal neurons and disrupts NMDAR-mediated fear extinction encoding. <i>Nature Neuroscience</i> , 2012, 15, 1359-1361.	7.1	203
8	NPY signaling inhibits extended amygdala CRF neurons to suppress binge alcohol drinking. <i>Nature Neuroscience</i> , 2015, 18, 545-552.	7.1	173
9	Fear extinction requires infralimbic cortex projections to the basolateral amygdala. <i>Translational Psychiatry</i> , 2018, 8, 60.	2.4	168
10	Neuropeptide Y and corticotropin-releasing factor bi-directionally modulate inhibitory synaptic transmission in the bed nucleus of the stria terminalis. <i>Neuropharmacology</i> , 2006, 51, 1013-1022.	2.0	151
11	DREADD Agonist 21 Is an Effective Agonist for Muscarinic-Based DREADDs <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Pharmacology and Translational Science</i> , 2018, 1, 61-72.	2.5	143
12	Effects of chronic ethanol exposure on neuronal function in the prefrontal cortex and extended amygdala. <i>Neuropharmacology</i> , 2015, 99, 735-749.	2.0	141
13	Chemogenetic Inactivation of Ventral Hippocampal Glutamatergic Neurons Disrupts Consolidation of Contextual Fear Memory. <i>Neuropsychopharmacology</i> , 2014, 39, 1880-1892.	2.8	135
14	Dynorphin Controls the Gain of an Amygdalar Anxiety Circuit. <i>Cell Reports</i> , 2016, 14, 2774-2783.	2.9	134
15	Corticotropin Releasing Factor Signaling in the Central Amygdala is Recruited during Binge-Like Ethanol Consumption in C57BL/6j Mice. <i>Journal of Neuroscience</i> , 2012, 32, 3405-3413.	1.7	133
16	Mu Opioid Receptor Modulation of Dopamine Neurons in the Periaqueductal Gray/Dorsal Raphe: A Role in Regulation of Pain. <i>Neuropsychopharmacology</i> , 2016, 41, 2122-2132.	2.8	124
17	Alcohol Exposure Alters NMDAR Function in the Bed Nucleus of the Stria Terminalis. <i>Neuropsychopharmacology</i> , 2009, 34, 2420-2429.	2.8	123
18	Presynaptic Inhibition of Gamma-Aminobutyric Acid Release in the Bed Nucleus of the Stria Terminalis by Kappa Opioid Receptor Signaling. <i>Biological Psychiatry</i> , 2012, 71, 725-732.	0.7	122

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19	Norepinephrine Modulates Glutamatergic Transmission in the Bed Nucleus of the Stria Terminalis. <i>Neuropsychopharmacology</i> , 2005, 30, 657-668.	2.8	119
20	Elucidation of The Behavioral Program and Neuronal Network Encoded by Dorsal Raphe Serotonergic Neurons. <i>Neuropsychopharmacology</i> , 2016, 41, 1404-1415.	2.8	118
21	Dopamine Enhances Fast Excitatory Synaptic Transmission in the Extended Amygdala by a CRF-R1-Dependent Process. <i>Journal of Neuroscience</i> , 2008, 28, 13856-13865.	1.7	111
22	Extended Amygdala to Ventral Tegmental Area Corticotropin-Releasing Factor Circuit Controls Binge Ethanol Intake. <i>Biological Psychiatry</i> , 2017, 81, 930-940.	0.7	109
23	Directed Evolution of a Selective and Sensitive Serotonin Sensor via Machine Learning. <i>Cell</i> , 2020, 183, 1986-2002.e26.	13.5	104
24	Sex differences in the behavioral sequelae of chronic ethanol exposure. <i>Alcohol</i> , 2017, 58, 53-60.	0.8	97
25	Central Amygdala Prepronociceptin-Expressing Neurons Mediate Palatable Food Consumption and Reward. <i>Neuron</i> , 2019, 102, 1037-1052.e7.	3.8	95
26	Kappa opioid receptor signaling in the brain: Circuitry and implications for treatment. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 62, 51-60.	2.5	94
27	Neuropeptide Regulation of Signaling and Behavior in the BNST. <i>Molecules and Cells</i> , 2015, 38, 1-13.	1.0	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. <i>Biological Psychiatry</i> , 2016, 79, 430-442.	0.7	91
29	Lateral Hypothalamus GABAergic Neurons Modulate Consummatory Behaviors Regardless of the Caloric Content or Biological Relevance of the Consumed Stimuli. <i>Neuropsychopharmacology</i> , 2016, 41, 1505-1512.	2.8	85
30	Distinct forms of G _q -receptor-dependent plasticity of excitatory transmission in the BNST are differentially affected by stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2271-2276.	3.3	75
31	Neurobiological mechanisms contributing to alcohol "stress" anxiety interactions. <i>Alcohol</i> , 2009, 43, 509-519.	0.8	72
32	The bed nucleus of the stria terminalis in drug-associated behavior and affect: A circuit-based perspective. <i>Neuropharmacology</i> , 2017, 122, 100-106.	2.0	72
33	New insights on neurobiological mechanisms underlying alcohol addiction. <i>Neuropharmacology</i> , 2013, 67, 223-232.	2.0	68
34	Chronic EtOH effects on putative measures of compulsive behavior in mice. <i>Addiction Biology</i> , 2017, 22, 423-434.	1.4	66
35	Periaqueductal gray/dorsal raphe dopamine neurons contribute to sex differences in pain-related behaviors. <i>Neuron</i> , 2021, 109, 1365-1380.e5.	3.8	66
36	Charged Residues in the $\hat{2}$ Subunit Involved in GABAA Receptor Activation. <i>Journal of Biological Chemistry</i> , 2004, 279, 4887-4893.	1.6	64

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37	Alcohol Inhibits NR2B-Containing NMDA Receptors in the Ventral Bed Nucleus of the Stria Terminalis. <i>Neuropsychopharmacology</i> , 2008, 33, 1379-1390.	2.8	64
38	Î²-Adrenergic Receptors Enhance Excitatory Transmission in the Bed Nucleus of the Stria Terminalis Through a Corticotrophin-Releasing Factor Receptor-Dependent and Cocaine-Regulated Mechanism. <i>Biological Psychiatry</i> , 2011, 69, 1083-1090.	0.7	63
39	Central Neuropeptide Y Modulates Binge-Like Ethanol Drinking in C57BL/6J Mice via Y1 and Y2 Receptors. <i>Neuropsychopharmacology</i> , 2012, 37, 1409-1421.	2.8	62
40	Chronic stress dysregulates amygdalar output to the prefrontal cortex. <i>Neuropharmacology</i> , 2018, 139, 68-75.	2.0	61
41	Repeated Cycles of Binge-Like Ethanol (C57BL/6J) Drinking in Male C57BL/6J Mice Augments Subsequent Voluntary Ethanol Intake But Not Other Dependence-Like Phenotypes. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 1688-1695.	1.4	60
42	Ethanol induced adaptations in 5-HT2c receptor signaling in the bed nucleus of the stria terminalis: Implications for anxiety during ethanol withdrawal. <i>Neuropharmacology</i> , 2015, 89, 157-167.	2.0	58
43	Dynorphin-kappa opioid receptor activity in the central amygdala modulates binge-like alcohol drinking in mice. <i>Neuropsychopharmacology</i> , 2019, 44, 1084-1092.	2.8	58
44	The role of biogenic amine signaling in the bed nucleus of the stria terminals in alcohol abuse. <i>Alcohol</i> , 2012, 46, 303-308.	0.8	56
45	Functional Alterations in the Dorsal Raphe Nucleus Following Acute and Chronic Ethanol Exposure. <i>Neuropsychopharmacology</i> , 2015, 40, 590-600.	2.8	56
46	Glutamatergic mechanisms associated with stress-induced amygdala excitability and anxiety-related behavior. <i>Neuropharmacology</i> , 2014, 85, 190-197.	2.0	55
47	Kappa opioid receptor and dynorphin signaling in the central amygdala regulates alcohol intake. <i>Molecular Psychiatry</i> , 2021, 26, 2187-2199.	4.1	49
48	Integrated circuits and molecular components for stress and feeding: implications for eating disorders. <i>Genes, Brain and Behavior</i> , 2015, 14, 85-97.	1.1	46
49	Prepronociceptin-Expressing Neurons in the Extended Amygdala Encode and Promote Rapid Arousal Responses to Motivationally Salient Stimuli. <i>Cell Reports</i> , 2020, 33, 108362.	2.9	45
50	Chronic ethanol exposure leads to divergent control of dopaminergic synapses in distinct target regions. <i>Alcohol</i> , 2008, 42, 179-190.	0.8	40
51	Chronic intermittent ethanol exposure dysregulates a GABAergic microcircuit in the bed nucleus of the stria terminalis. <i>Neuropharmacology</i> , 2020, 168, 107759.	2.0	40
52	Chronic inflammatory pain drives alcohol drinking in a sex-dependent manner for C57BL/6J mice. <i>Alcohol</i> , 2019, 77, 135-145.	0.8	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. <i>Nature Communications</i> , 2021, 12, 5080.	5.8	36
54	Chronic stress alters neuropeptide Y signaling in the bed nucleus of the stria terminalis in DBA/2J but not C57BL/6J mice. <i>Neuropharmacology</i> , 2012, 62, 1777-1786.	2.0	35

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55	Serotonin's Complex Role in Alcoholism: Implications for Treatment and Future Research. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 1192-1201.	1.4	34
56	Glutamate plasticity woven through the progression to alcohol use disorder: a multi-circuit perspective. <i>F1000Research</i> , 2017, 6, 298.	0.8	34
57	Coordination of social behaviors by the bed nucleus of the stria terminalis. <i>European Journal of Neuroscience</i> , 2022, 55, 2404-2420.	1.2	32
58	The pre-M1 segment of the $\alpha 1$ subunit is a transduction element in the activation of the GABA _A receptor. <i>Journal of Physiology</i> , 2006, 575, 11-22.	1.3	30
59	Effects of chronic alcohol consumption on neuronal function in the non-human primate BNST. <i>Addiction Biology</i> , 2016, 21, 1151-1167.	1.4	30
60	Nociceptin receptor antagonist SB 612111 decreases high fat diet binge eating. <i>Behavioural Brain Research</i> , 2016, 307, 25-34.	1.2	30
61	Effects of sex and deletion of neuropeptide Y2 receptors from GABAergic neurons on affective and alcohol drinking behaviors in mice. <i>Frontiers in Integrative Neuroscience</i> , 2013, 7, 100.	1.0	28
62	Evaluation of a proposed mechanism of ligand-gated ion channel activation in the GABA _A and glycine receptors. <i>Neuroscience Letters</i> , 2004, 371, 230-234.	1.0	27
63	Alcohol effects on synaptic transmission in periaqueductal gray dopamine neurons. <i>Alcohol</i> , 2013, 47, 279-287.	0.8	26
64	Potent and Selective Peptide-based Inhibition of the G Protein $G_{i/o}$. <i>Journal of Biological Chemistry</i> , 2016, 291, 25608-25616.	1.6	26
65	Ethanol-induced conditioned place preference and aversion differentially alter plasticity in the bed nucleus of stria terminalis. <i>Neuropsychopharmacology</i> , 2019, 44, 1843-1854.	2.8	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. <i>Alcohol</i> , 2022, 100, 41-56.	0.8	23
68	Sex-Dependent Modulation of Anxiety and Fear by 5-HT _{1A} Receptors in the Bed Nucleus of the Stria Terminalis. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3154-3166.	1.7	22
69	An isotropic EPI database and analytical pipelines for rat brain resting-state fMRI. <i>NeuroImage</i> , 2021, 243, 118541.	2.1	20
70	The kappa opioid receptor modulates GABA neuron excitability and synaptic transmission in midbrain projections from the insular cortex. <i>Neuropharmacology</i> , 2020, 165, 107831.	2.0	19
71	Molecular volume determines the activity of the halogenated alkane bromoform at wild-type and mutant GABA _A receptors. <i>Brain Research</i> , 2003, 960, 36-41.	1.1	17
72	NMDAR LTP and LTD induction: 2B or Not 2B...is that the question?. <i>Debates in Neuroscience</i> , 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 Ca ²⁺ channels. <i>Molecular Psychiatry</i> , 2020, 25, 2373-2391.	4.1	14
74	Corticotropin-releasing factor neurons in the bed nucleus of the stria terminalis exhibit sex-specific pain encoding in mice. <i>Scientific Reports</i> , 2021, 11, 12500.	1.6	14
75	Effect of amphetamine-induced dopamine release on radiotracer binding to D1 and D2 receptors in rat brain striatal slices. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2000, 362, 413-418.	1.4	13
76	Excitatory drive onto dopaminergic neurons in the rostral linear nucleus is enhanced by norepinephrine in an α_1 adrenergic receptor-dependent manner. <i>Neuropharmacology</i> , 2014, 86, 116-124.	2.0	11
77	NMDA receptor GluN2A subunit deletion protects against dependence-like ethanol drinking. <i>Behavioural Brain Research</i> , 2018, 353, 124-128.	1.2	10
78	δ -Opioid Receptor Modulation of GABAergic Inputs onto Ventrolateral Periaqueductal Gray Dopamine Neurons. <i>Molecular Neuropsychiatry</i> , 2019, 5, 190-199.	3.0	10
79	Forebrain-Midbrain Circuits and Peptides Involved in Hyperalgesia After Chronic Alcohol Exposure. <i>Alcohol Research: Current Reviews</i> , 2021, 41, 13.	1.9	7
80	Low-dose alcohol: Interoceptive and molecular effects and the role of dentate gyrus in rats. <i>Addiction Biology</i> , 2021, 26, e12965.	1.4	6
81	Tumor necrosis factor- α modulates GABAergic and dopaminergic neurons in the ventrolateral periaqueductal gray of female mice. <i>Journal of Neurophysiology</i> , 2021, 126, 2119-2129.	0.9	4
82	Activation of the dorsal septum increases alcohol consumption in male C57BL/6J mice. <i>Addiction Neuroscience</i> , 2022, 3, 100023.	0.4	3
83	A Gut Feeling about Dopamine. <i>Neuron</i> , 2020, 106, 703-704.	3.8	2
84	Structural elements governing activation and modulation of GABA _A receptors. <i>International Congress Series</i> , 2005, 1283, 26-31.	0.2	0
85	Drinking through the pain. <i>Nature Neuroscience</i> , 2013, 16, 987-988.	7.1	0
86	108. Synaptic Mechanisms of BNST CRF Neuron Excitability Regulating Alcohol Drinking Behavior and Anxiety. <i>Biological Psychiatry</i> , 2017, 81, S45-S46.	0.7	0
87	F12. Bed Nucleus of Stria Terminalis (BNST) CRF Circuits for Anxiety-Like Behaviors. <i>Biological Psychiatry</i> , 2018, 83, S241-S242.	0.7	0
88	A dual-virus strategy for the deletion of <i>cacac1c</i> within the prelimbic to nucleus accumbens core projection. <i>Molecular Psychiatry</i> , 2020, 25, 2201-2202.	4.1	0
89	Paranigral VTA Nociceptin Neurons Constrain Motivation for Reward. <i>Biological Psychiatry</i> , 2020, 87, S80-S81.	0.7	0