Michael J Krashes

List of Publications by Citations

47 papers	5,620 citations	30 h-index	53 g-index
53 ext. papers	7,004 ext. citations	20.6 avg, IF	5.53 L-index

#	Paper	IF	Citations
47	Rapid, reversible activation of AgRP neurons drives feeding behavior in mice. *Journal of Clinical Investigation*, **2011**, 121, 1424-8	15.9	866
46	A neural circuit mechanism integrating motivational state with memory expression in Drosophila. *Cell*, **2009**, 139, 416-27	56.2	391
45	An excitatory paraventricular nucleus to AgRP neuron circuit that drives hunger. *Nature*, **2014**, 507, 238-42	50.4	390
44	Layered reward signalling through octopamine and dopamine in Drosophila. *Nature*, **2012**, 492, 433-7	50.4	365
43	Identification of spinal circuits transmitting and gating mechanical pain. *Cell*, **2014**, 159, 1417-1432	56.2	315
42	Sequential use of mushroom body neuron subsets during drosophila odor memory processing. *Neuron*, **2007**, 53, 103-15	13.9	309
41	A New DREADD Facilitates the Multiplexed Chemogenetic Interrogation of Behavior. *Neuron*, **2015**, 86, 936-946	13.9	239
40	A neural basis for melanocortin-4 receptor-regulated appetite. *Nature Neuroscience*, **2015**, 18, 863-71	25.5	238
39	Rapid versus delayed stimulation of feeding by the endogenously released AgRP neuron mediators GABA, NPY, and AgRP. *Cell Metabolism*, **2013**, 18, 588-95	24.6	227
38	Distinct Subpopulations of Nucleus Accumbens Dynorphin Neurons Drive Aversion and Reward. *Neuron*, **2015**, 87, 1063-77	13.9	197
37	Rapid consolidation to a radish and protein synthesis-dependent long-term memory after single-session appetitive olfactory conditioning in Drosophila. *Journal of Neuroscience*, **2008**, 28, 3103-13	6.6	187
36	Melanocortin-4 receptor-regulated energy homeostasis. *Nature Neuroscience*, **2016**, 19, 206-19	25.5	168
35	GABAergic RIP-Cre neurons in the arcuate nucleus selectively regulate energy expenditure. *Cell*, **2012**, 151, 645-57	56.2	164
34	Identification of preoptic sleep neurons using retrograde labelling and gene profiling. *Nature*, **2017**, 545, 477-481	50.4	163
33	MC4R-expressing glutamatergic neurons in the paraventricular hypothalamus regulate feeding and are synaptically connected to the parabrachial nucleus. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13193-8	11.5	136
32	Hunger-Driven Motivational State Competition. *Neuron*, **2016**, 92, 187-201	13.9	131
31	Asprosin is a centrally acting orexigenic hormone. *Nature Medicine*, **2017**, 23, 1444-1453	50.5	130

30	Dynamic GABAergic afferent modulation of AgRP neurons. *Nature Neuroscience*, **2016**, 19, 1628-1635	25.5	99
29	Palatability Can Drive Feeding Independent of AgRP Neurons. *Cell Metabolism*, **2015**, 22, 646-57	24.6	98
28	A pair of inhibitory neurons are required to sustain labile memory in the Drosophila mushroom body. *Current Biology*, **2011**, 21, 855-61	6.3	96
27	Dynorphin Controls the Gain of an Amygdalar Anxiety Circuit. *Cell Reports*, **2016**, 14, 2774-83	10.6	92
26	Pathway- and Cell-Specific Kappa-Opioid Receptor Modulation of Excitation-Inhibition Balance Differentially Gates D1 and D2 Accumbens Neuron Activity. *Neuron*, **2017**, 93, 147-163	13.9	79
25	DREADD Agonist 21 Is an Effective Agonist for Muscarinic-Based DREADDs and. *ACS Pharmacology and Translational Science*, **2018**, 1, 61-72	5.9	76
24	Gs-coupled GPCR signalling in AgRP neurons triggers sustained increase in food intake. *Nature Communications*, **2016**, 7, 10268	17.4	64
23	The Paraventricular Hypothalamus Regulates Satiety and Prevents Obesity via Two Genetically Distinct Circuits. *Neuron*, **2019**, 102, 653-667.e6	13.9	60
22	Genetic identity of thermosensory relay neurons in the lateral parabrachial nucleus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 310, R41-54	3.2	51
21	Defined Paraventricular Hypothalamic Populations Exhibit Differential Responses to Food Contingent on Caloric State. *Cell Metabolism*, **2019**, 29, 681-694.e5	24.6	51
20	A GABAergic Projection from the Centromedial Nuclei of the Amygdala to Ventromedial Prefrontal Cortex Modulates Reward Behavior. *Journal of Neuroscience*, **2016**, 36, 10831-10842	6.6	45
19	High-fat food biases hypothalamic and mesolimbic expression of consummatory drives. *Nature Neuroscience*, **2020**, 23, 1253-1266	25.5	40
18	Brs3 neurons in the mouse dorsomedial hypothalamus regulate body temperature, energy expenditure, and heart rate, but not food intake. *Nature Neuroscience*, **2018**, 21, 1530-1540	25.5	32
17	Need-based prioritization of behavior. *ELife*, **2019**, 8,	8.9	23
16	Resolving Behavioral Output via Chemogenetic Designer Receptors Exclusively Activated by Designer Drugs. *Journal of Neuroscience*, **2016**, 36, 9268-82	6.6	23
15	Integrating Hunger with Rival Motivations. *Trends in Endocrinology and Metabolism*, **2020**, 31, 495-507	8.8	22
14	The elegance of energy balance: Insight from circuit-level manipulations. *Synapse*, **2015**, 69, 461-74	2.4	13
13	Food cue regulation of AGRP hunger neurons guides learning. *Nature*, **2021**, 595, 695-700	50.4	8

12	Physiology: Forecast for water balance. *Nature*, **2016**, 537, 626-7	50.4	7
11	Measuring Behavior in the Home Cage: Study Design, Applications, Challenges, and Perspectives. *Frontiers in Behavioral Neuroscience*, **2021**, 15, 735387	3.5	6
10	A role for the locus coeruleus in the modulation of feeding		4
9	AgRP Accountants Compute Caloric Cost. *Cell Reports*, **2017**, 21, 2647-2648	10.6	3
8	An open-source device for measuring food intake and operant behavior in rodent home-cages. *ELife*, **2021**, 10,	8.9	3
7	Examining the role of olfaction in dietary choice. *Cell Reports*, **2021**, 34, 108755	10.6	3
6	A distinct hypothalamus-to-β cell circuit modulates insulin secretion.. *Cell Metabolism*, **2022**, 34, 285-298.e7	24.6	2
5	Neuroendocrinology: Electromagnetic control of neural activity - prospective physics for physicians. *Nature Reviews Endocrinology*, **2016**, 12, 316-7	15.2	2
4	Remembering a Bad Taste. *Neuron*, **2018**, 100, 765-767	13.9	1
3	Acute Glucose Response Properties Beyond Feeding. *Trends in Molecular Medicine*, **2016**, 22, 356-358	11.5	
2	Foraging and flight trump defense and fight. *Nature Neuroscience*, **2016**, 19, 645-646	25.5	
1	Neuroscience: To Eat or to Sleep?. *Current Biology*, **2018**, 28, R1386-R1388	6.3	