Ali D GÃ¼ler

List of Publications by Year
in descending order

25 papers	3,546 citations	430874 18 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	4538 citing authors

#	Article	IF	Citations
1	Heat-Evoked Activation of the Ion Channel, TRPV4. Journal of Neuroscience, 2002, 22, 6408-6414.	3.6	869
2	Melanopsin cells are the principal conduits for rodâ€“cone input to non-image-forming vision. Nature, 2008, 453, 102-105.	27.8	734
3	TRPV1 shows dynamic ionic selectivity during agonist stimulation. Nature Neuroscience, 2008, 11, 555-564.	14.8	288
4	Distinct Contributions of Rod, Cone, and Melanopsin Photoreceptors to Encoding Irradiance. Neuron, 2010, 66, 417-428.	8.1	259
5	Rod photoreceptors drive circadian photoentrainment across a wide range of light intensities. Nature Neuroscience, 2010, 13, 1107-1112.	14.8	217
6	Genetically targeted magnetic control of the nervous system. Nature Neuroscience, 2016, 19, 756-761.	14.8	211
7	Biphasic Currents Evoked by Chemical or Thermal Activation of the Heat-gated Ion Channel, TRPV3. Journal of Biological Chemistry, 2005, 280, 15928-15941.	3.4	131
8	Palatability Can Drive Feeding Independent of AgRP Neurons. Cell Metabolism, 2015, 22, 646-657.	16.2	122
9	Selective keratinocyte stimulation is sufficient to evoke nociception in mice. Pain, 2015, 156, 656-665.	4.2	121
10	Lack of GPR88 enhances medium spiny neuron activity and alters motor- and cue-dependent behaviors. Nature Neuroscience, 2012, 15, 1547-1555.	14.8	102
11	Direct Midbrain Dopamine Input to the Suprachiasmatic Nucleus Accelerates Circadian Entrainment. Current Biology, 2017, 27, 2465-2475.e3.	3.9	97
12	Transient receptor potential vanilloid 4 regulates aquaporin-5 abundance under hypotonic conditions. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4747-4752.	7.1	92
13	Disruption of Dopamine Neuron Activity Pattern Regulation through Selective Expression of a Human KCNN3 Mutation. Neuron, 2013, 80, 997-1009.	8.1	60
14	Dopamine Signaling in the Suprachiasmatic Nucleus Enables Weight Gain Associated with Hedonic Feeding. Current Biology, 2020, 30, 196-208.e8.	3.9	43
15	How Support of Early Career Researchers Can Reset Science in the Post-COVID19 World. Cell, 2020, 181, 1445-1449.	28.9	43
16	Activation of Pyramidal Neurons in Mouse Medial Prefrontal Cortex Enhances Food-Seeking Behavior While Reducing Impulsivity in the Absence of an Effect on Food Intake. Frontiers in Behavioral Neuroscience, 2016, 10, 63.	2.0	38
17	Metabolic homeostasis via BDNF and its receptors. Trends in Endocrinology and Metabolism, 2021, 32, 488-499.	7.1	34
18	Cold-sensing TRPM8 channel participates in circadian control of the brown adipose tissue. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 2415-2427.	4.1	30

#	Article	IF	Citations
19	Long-term high fat diet consumption reversibly alters feeding behavior via a dopamine-associated mechanism in mice. Behavioural Brain Research, 2021, 414, 113470.	2.2	12
20	The p75 neurotrophin receptor in AgRP neurons is necessary for homeostatic feeding and food anticipation. ELife, 2020, 9, .	6.0	12
21	Dopamine Signaling in Circadian Photoentrainment: Consequences of Desynchrony. Yale Journal of Biology and Medicine, 2019, 92, 271-281.	0.2	11
22	RdgB2 is required for dim-light input into intrinsically photosensitive retinal ganglion cells. Molecular Biology of the Cell, 2015, 26, 3671-3678.	2.1	7
23	Reply to: Magneto is ineffective in controlling electrical properties of cerebellar Purkinje cells, Assessing the utility of Magneto to control neuronal excitability in the somatosensory cortex and Revaluation of magnetic properties of Magneto. Nature Neuroscience, 2020, 23, 1051-1054.	14.8	7
24	Local Drd1-neurons input to subgroups of arcuate AgRP/NPY-neurons. IScience, 2022, 25, 104605.	4.1	4
25	Food preference assay in male and female C57BL/6 mice. Journal of Neuroscience Methods, 2022, 365, 109384.	2.5	1