Kathryn F Medler

List of Publications by Year
in descending order

42	1,221	17	33
papers	citations	h-index	g-index
		471509	395702

47	47	47	1314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mouse taste cells with G protein-coupled taste receptors lack voltage-gated calcium channels and SNAP-25. BMC Biology, 2006, 4, 7.	3.8	212
2	Electrophysiological Characterization of Voltage-Gated Currents in Defined Taste Cell Types of Mice. Journal of Neuroscience, 2003, 23, 2608-2617.	3.6	130
3	TRPM4 and TRPM5 are both required for normal signaling in taste receptor cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E772-E781.	7.1	100
4	Mitochondrial Ca²⁺Buffering Regulates Synaptic Transmission Between Retinal Amacrine Cells. Journal of Neurophysiology, 2002, 87, 1426-1439.	1.8	82
5	Repression of Transcription by WT1-BASP1 Requires the Myristoylation of BASP1 and the PIP2-Dependent Recruitment of Histone Deacetylase. Cell Reports, 2012, 2, 462-469.	6.4	69
6	Diet-Induced Obesity Reduces the Responsiveness of the Peripheral Taste Receptor Cells. PLoS ONE, 2013, 8, e79403.	2.5	67
7	Evidence for Two Populations of Bitter Responsive Taste Cells in Mice. Journal of Neurophysiology, 2008, 99, 1503-1514.	1.8	48
8	WT1 and its transcriptional cofactor BASP1 redirect the differentiation pathway of an established blood cell line. Biochemical Journal, 2011, 435, 113-125.	3.7	36
9	Mitochondrial Calcium Buffering Contributes to the Maintenance of Basal Calcium Levels in Mouse Taste Cells. Journal of Neurophysiology, 2008, 100, 2177-2191.	1.8	35
10	A subset of broadly responsive Type III taste cells contribute to the detection of bitter, sweet and umami stimuli. PLoS Genetics, 2020, 16, e1008925.	3.5	32
11	Calcium Signaling in Taste Cells: Regulation Required. Chemical Senses, 2010, 35, 753-765.	2.0	28
12	BASP1 interacts with oestrogen receptor Î± and modifies the tamoxifen response. Cell Death and Disease, 2017, 8, e2771-e2771.	6.3	26
13	Group I metabotropic glutamate receptors are expressed in the chicken retina and by cultured retinal amacrine cells. Journal of Neurochemistry, 2001, 77, 452-465.	3.9	24
14	Expression of GABAergic Receptors in Mouse Taste Receptor Cells. PLoS ONE, 2010, 5, e13639.	2.5	22
15	Sex differences in plasma corticosterone levels in alligator (Alligator mississippiensis) embryos. , 1998, 280, 238-244.		21
16	Sodiumâ€“calcium exchangers contribute to the regulation of cytosolic calcium levels in mouse taste cells. Journal of Physiology, 2009, 587, 4077-4089.	2.9	21
17	WT1 interacts with MAD2 and regulates mitotic checkpoint function. Nature Communications, 2014, 5, 4903.	12.8	20
18	Differential Effects of Diet and Weight on Taste Responses in Dietâ€Induced Obese Mice. Obesity, 2020, 28, 284-292.	3.0	20

#	Article	IF	Citations
19	Sodium/Calcium Exchangers Selectively Regulate Calcium Signaling in Mouse Taste Receptor Cells. Journal of Neurophysiology, 2010, 104, 529-538.	1.8	18
20	WT1 regulates the development of the posterior taste field. Development (Cambridge), 2014, 141, 2271-2278.	2.5	18
21	A regulator of G-protein signaling in olfactory receptor neurons. NeuroReport, 1996, 7, 2941-2944.	1.2	16
22	Ryanodine receptors selectively contribute to the formation of tasteâ€evoked calcium signals in mouse taste cells. European Journal of Neuroscience, 2010, 32, 1825-1835.	2.6	16
23	Protein kinase C and receptor kinase gene expression in olfactory receptor neurons. , 1997, 33, 387-394.		15
24	Ryanodine Receptors Selectively Interact with L Type Calcium Channels in Mouse Taste Cells. PLoS ONE, 2013, 8, e68174.	2.5	15
25	Calcium signaling in taste cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2025-2032.	4.1	15
26	Metabotropic glutamate receptor expression in olfactory receptor neurons from the channel catfish,Ictalurus punctatus. , 1998, 35, 94-104.		13
27	Cholesterol is required for transcriptional repression by BASP1. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
28	Signaling Mechanisms Controlling Taste Cell Function. Critical Reviews in Eukaryotic Gene Expression, 2008, 18, 125-137.	0.9	11
29	The WT1â€"BASP1 complex is required to maintain the differentiated state of taste receptor cells. Life Science Alliance, 2019, 2, e201800287.	2.8	11
30	Expression of Calcium Binding Proteins in Mouse Type II Taste Cells. Journal of Histochemistry and Cytochemistry, 2011, 59, 530-539.	2.5	10
31	AP1 transcription factors are required to maintain the peripheral taste system. Cell Death and Disease, 2016, 7, e2433-e2433.	6.3	10
32	Regulation of AURORA B function by mitotic checkpoint protein MAD2. Cell Cycle, 2016, 15, 2196-2201.	2.6	8
33	Multiple Roles for TRPs in the Taste System: Not Your Typical TRPs. Advances in Experimental Medicine and Biology, 2011, 704, 831-846.	1.6	7
34	Bitter, sweet, and umami signaling in taste cells: itâ€™s not as simple as we thought. Current Opinion in Physiology, 2021, 20, 159-164.	1.8	7
35	Transduction Mechanisms in Taste Cells. , 2005, , 153-177.		5
36	Taste Receptor Signaling. Handbook of Experimental Pharmacology, 2021, , 1.	1.8	5

#	Article	IF	Citations
37	G-protein Î²Î³ Subunit Genes Expressed in Olfactory Receptor Neurons. Chemical Senses, 1997, 22, 587-592.	2.0	4
38	Honing in on the ATP Release Channel in Taste Cells:. Chemical Senses, 2015, 40, 449-451.	2.0	3
39	Odorant receptor gene expression in catfish taste tissue. NeuroReport, 1998, 9, 4103-4107.	1.2	2
40	Sex differences in plasma corticosterone levels in alligator (Alligator mississippiensis) embryos. The Journal of Experimental Zoology, 1998, 280, 238-244.	1.4	1
41	Metabotropic glutamate receptor expression in olfactory receptor neurons from the channel catfish, Ictalurus punctatus. Journal of Neurobiology, 1998, 35, 94-104.	3.6	1
42	Taste Cells and Calcium Signaling. Food and Nutritional Components in Focus, 2015, , 413-430.	0.1	0