Stephen D Liberles

List of Publications by Year
in descending order

46	6,700	125106	263392
papers	citations	35 h-index	45 g-index

61	61	61	8197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Internal senses of the vagus nerve. Neuron, 2022, 110, 579-599.	3.8	77
2	A brainstem circuit for nausea suppression. Cell Reports, 2022, 39, 110953.	2.9	15
3	Area Postrema Cell Types that Mediate Nausea-Associated Behaviors. Neuron, 2021, 109, 461-472.e5.	3.8	106
4	Control of feeding by Piezo-mediated gut mechanosensation in Drosophila. ELife, 2021, 10, .	2.8	39
5	Hunger enhances food-odour attraction through a neuropeptide Y spotlight. Nature, 2021, 592, 262-266.	13.7	54
6	Coordination of two enhancers drives expression of olfactory trace amine-associated receptors. Nature Communications, 2021, 12, 3798.	5.8	8
7	Periphery signals generated by Piezo-mediated stomach stretch and Neuromedin-mediated glucose load regulate the Drosophila brain nutrient sensor. Neuron, 2021, 109, 1979-1995.e6.	3.8	32
8	Highly selective brain-to-gut communication via genetically defined vagus neurons. Neuron, 2021, 109, 2106-2115.e4.	3.8	43
9	An Airway Protection Program Revealed by Sweeping Genetic Control of Vagal Afferents. Cell, 2020, 181, 574-589.e14.	13.5	114
10	Arterial Baroreceptors Sense Blood Pressure through Decorated Aortic Claws. Cell Reports, 2019, 29, 2192-2201.e3.	2.9	75
11	Defined Paraventricular Hypothalamic Populations Exhibit Differential Responses to Food Contingent on Caloric State. Cell Metabolism, 2019, 29, 681-694.e5.	7.2	92
12	Nociceptor sensory neurons suppress neutrophil and Î³Î´ T cell responses in bacterial lung infections and lethal pneumonia. Nature Medicine, 2018, 24, 417-426.	15.2	258
13	Sexual rejection via a vomeronasal receptor-triggered limbic circuit. Nature Communications, 2018, 9, 4463.	5.8	43
14	PIEZOs mediate neuronal sensing of blood pressure and the baroreceptor reflex. Science, 2018, 362, 464-467.	6.0	312
15	Liraglutide Modulates Appetite and Body Weight Through Glucagon-Like Peptide 1 Receptorâ€“Expressing Glutamatergic Neurons. Diabetes, 2018, 67, 1538-1548.	0.3	84
16	Neural Sensing of Organ Volume. Trends in Neurosciences, 2018, 41, 911-924.	4.2	55
17	Airway mechanoreceptors that control breathing. FASEB Journal, 2018, 32, 893.3.	0.2	0
18	Piezo2 senses airway stretch and mediates lung inflation-induced apnoea. Nature, 2017, 541, 176-181.	13.7	305

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19	Odor Sensing by Trace Amine-Associated Receptors. , 2016, , 67-80.		6
20	State-dependent responses to sex pheromones in mouse. Current Opinion in Neurobiology, 2016, 38, 74-79.	2.0	58
21	Sensory Neurons that Detect Stretch and Nutrients in the Digestive System. Cell, 2016, 166, 209-221.	13.5	420
22	Genetically Targeted All-Optical Electrophysiology with a Transgenic Cre-Dependent Optopatch Mouse. Journal of Neuroscience, 2016, 36, 11059-11073.	1.7	76
23	Aversion and Attraction through Olfaction. Current Biology, 2015, 25, R120-R129.	1.8	157
24	Trace amine-associated receptors: ligands, neural circuits, and behaviors. Current Opinion in Neurobiology, 2015, 34, 1-7.	2.0	119
25	The serine protease inhibitor SerpinA3N attenuates neuropathic pain by inhibiting T cellâ€“derived leukocyte elastase. Nature Medicine, 2015, 21, 518-523.	15.2	182
26	Vagal Sensory Neuron Subtypes that Differentially Control Breathing. Cell, 2015, 161, 622-633.	13.5	295
27	Non-classical amine recognition evolved in a large clade of olfactory receptors. ELife, 2015, 4, e10441.	2.8	40
28	Mammalian Pheromones. Annual Review of Physiology, 2014, 76, 151-175.	5.6	244
29	An excitatory paraventricular nucleus to AgRP neuron circuit that drives hunger. Nature, 2014, 507, 238-242.	13.7	526
30	Evolution of sweet taste perception in hummingbirds by transformation of the ancestral umami receptor. Science, 2014, 345, 929-933.	6.0	169
31	Transcriptional profiling at whole population and single cell levels reveals somatosensory neuron molecular diversity. ELife, 2014, 3, .	2.8	208
32	A juvenile mouse pheromone inhibits sexual behaviour through the vomeronasal system. Nature, 2013, 502, 368-371.	13.7	151
33	High-affinity olfactory receptor for the death-associated odor cadaverine. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19579-19584.	3.3	160
34	Synchronous Evolution of an Odor Biosynthesis Pathway and Behavioral Response. Current Biology, 2013, 23, 11-20.	1.8	160
35	Animal Behavior: Shifting Neural Circuits with Sex Hormones. Current Biology, 2013, 23, R621-R623.	1.8	1
36	Neurons expressing trace amine-associated receptors project to discrete glomeruli and constitute an olfactory subsystem. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13410-13415.	3.3	88

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37	Agonists for 13 Trace Amine-Associated Receptors Provide Insight into the Molecular Basis of Odor Selectivity. ACS Chemical Biology, 2012, 7, 1184-1189.	1.6	79
38	Detection and avoidance of a carnivore odor by prey. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11235-11240.	3.3	295
39	The secret codes of mammalian scents. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 23-33.	6.6	41
40	Formyl peptide receptors are candidate chemosensory receptors in the vomeronasal organ. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9842-9847.	3.3	211
41	Trace Amineâ€associated Receptors Are Olfactory Receptors in Vertebrates. Annals of the New York Academy of Sciences, 2009, 1170, 168-172.	1.8	72
42	A second class of chemosensory receptors in the olfactory epithelium. Nature, 2006, 442, 645-650.	13.7	669
43	A candidate taste receptor gene near a sweet taste locus. Nature Neuroscience, 2001, 4, 492-498.	7.1	441
44	Apoptosis-inducing natural products found in utero during murine pregnancy. Chemistry and Biology, 2000, 7, 365-372.	6.2	11
45	Small molecule-dependent genetic selection in stochastic nanodroplets as a means of detecting protein-ligand interactions on a large scale. Chemistry and Biology, 1997, 4, 961-968.	6.2	58
46	Studies of the Ras-GDP and Ras-GTP noncovalent complexes by electrospray mass spectrometry. Tetrahedron, 1993, 49, 7985-7996.	1.0	26