

Stephen D Liberles

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

6,700
citations

109321

35
h-index

233421

45
g-index

61
all docs

61
docs citations

61
times ranked

7411
citing authors

#	ARTICLE	IF	CITATIONS
1	A second class of chemosensory receptors in the olfactory epithelium. <i>Nature</i> , 2006, 442, 645-650.	27.8	669
2	An excitatory paraventricular nucleus to AgRP neuron circuit that drives hunger. <i>Nature</i> , 2014, 507, 238-242.	27.8	526
3	A candidate taste receptor gene near a sweet taste locus. <i>Nature Neuroscience</i> , 2001, 4, 492-498.	14.8	441
4	Sensory Neurons that Detect Stretch and Nutrients in the Digestive System. <i>Cell</i> , 2016, 166, 209-221.	28.9	420
5	PIEZOs mediate neuronal sensing of blood pressure and the baroreceptor reflex. <i>Science</i> , 2018, 362, 464-467.	12.6	312
6	Piezo2 senses airway stretch and mediates lung inflation-induced apnoea. <i>Nature</i> , 2017, 541, 176-181.	27.8	305
7	Detection and avoidance of a carnivore odor by prey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11235-11240.	7.1	295
8	Vagal Sensory Neuron Subtypes that Differentially Control Breathing. <i>Cell</i> , 2015, 161, 622-633.	28.9	295
9	Nociceptor sensory neurons suppress neutrophil and $\gamma\delta$ T cell responses in bacterial lung infections and lethal pneumonia. <i>Nature Medicine</i> , 2018, 24, 417-426.	30.7	258
10	Mammalian Pheromones. <i>Annual Review of Physiology</i> , 2014, 76, 151-175.	18.1	244
11	Formyl peptide receptors are candidate chemosensory receptors in the vomeronasal organ. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9842-9847.	7.1	211
12	Transcriptional profiling at whole population and single cell levels reveals somatosensory neuron molecular diversity. <i>ELife</i> , 2014, 3, .	6.0	208
13	The serine protease inhibitor SerpinA3N attenuates neuropathic pain by inhibiting T cell-derived leukocyte elastase. <i>Nature Medicine</i> , 2015, 21, 518-523.	30.7	182
14	Evolution of sweet taste perception in hummingbirds by transformation of the ancestral umami receptor. <i>Science</i> , 2014, 345, 929-933.	12.6	169
15	High-affinity olfactory receptor for the death-associated odor cadaverine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19579-19584.	7.1	160
16	Synchronous Evolution of an Odor Biosynthesis Pathway and Behavioral Response. <i>Current Biology</i> , 2013, 23, 11-20.	3.9	160
17	Aversion and Attraction through Olfaction. <i>Current Biology</i> , 2015, 25, R120-R129.	3.9	157
18	A juvenile mouse pheromone inhibits sexual behaviour through the vomeronasal system. <i>Nature</i> , 2013, 502, 368-371.	27.8	151

#	ARTICLE	IF	CITATIONS
19	Trace amine-associated receptors: ligands, neural circuits, and behaviors. <i>Current Opinion in Neurobiology</i> , 2015, 34, 1-7.	4.2	119
20	An Airway Protection Program Revealed by Sweeping Genetic Control of Vagal Afferents. <i>Cell</i> , 2020, 181, 574-589.e14.	28.9	114
21	Area Postrema Cell Types that Mediate Nausea-Associated Behaviors. <i>Neuron</i> , 2021, 109, 461-472.e5.	8.1	106
22	Defined Paraventricular Hypothalamic Populations Exhibit Differential Responses to Food Contingent on Caloric State. <i>Cell Metabolism</i> , 2019, 29, 681-694.e5.	16.2	92
23	Neurons expressing trace amine-associated receptors project to discrete glomeruli and constitute an olfactory subsystem. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13410-13415.	7.1	88
24	Liraglutide Modulates Appetite and Body Weight Through Glucagon-Like Peptide 1 Receptor-Expressing Glutamatergic Neurons. <i>Diabetes</i> , 2018, 67, 1538-1548.	0.6	84
25	Agonists for 13 Trace Amine-Associated Receptors Provide Insight into the Molecular Basis of Odor Selectivity. <i>ACS Chemical Biology</i> , 2012, 7, 1184-1189.	3.4	79
26	Internal senses of the vagus nerve. <i>Neuron</i> , 2022, 110, 579-599.	8.1	77
27	Genetically Targeted All-Optical Electrophysiology with a Transgenic Cre-Dependent Optopatch Mouse. <i>Journal of Neuroscience</i> , 2016, 36, 11059-11073.	3.6	76
28	Arterial Baroreceptors Sense Blood Pressure through Decorated Aortic Claws. <i>Cell Reports</i> , 2019, 29, 2192-2201.e3.	6.4	75
29	Trace Amine-associated Receptors Are Olfactory Receptors in Vertebrates. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 168-172.	3.8	72
30	Small molecule-dependent genetic selection in stochastic nanodroplets as a means of detecting protein-ligand interactions on a large scale. <i>Chemistry and Biology</i> , 1997, 4, 961-968.	6.0	58
31	State-dependent responses to sex pheromones in mouse. <i>Current Opinion in Neurobiology</i> , 2016, 38, 74-79.	4.2	58
32	Neural Sensing of Organ Volume. <i>Trends in Neurosciences</i> , 2018, 41, 911-924.	8.6	55
33	Hunger enhances food-odour attraction through a neuropeptide Y spotlight. <i>Nature</i> , 2021, 592, 262-266.	27.8	54
34	Sexual rejection via a vomeronasal receptor-triggered limbic circuit. <i>Nature Communications</i> , 2018, 9, 4463.	12.8	43
35	Highly selective brain-to-gut communication via genetically defined vagus neurons. <i>Neuron</i> , 2021, 109, 2106-2115.e4.	8.1	43
36	The secret codes of mammalian scents. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010, 2, 23-33.	6.6	41

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37	Non-classical amine recognition evolved in a large clade of olfactory receptors. <i>ELife</i> , 2015, 4, e10441.	6.0	40
38	Control of feeding by Piezo-mediated gut mechanosensation in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	6.0	39
39	Periphery signals generated by Piezo-mediated stomach stretch and Neuromedin-mediated glucose load regulate the <i>Drosophila</i> brain nutrient sensor. <i>Neuron</i> , 2021, 109, 1979-1995.e6.	8.1	32
40	Studies of the Ras-GDP and Ras-GTP noncovalent complexes by electrospray mass spectrometry. <i>Tetrahedron</i> , 1993, 49, 7985-7996.	1.9	26
41	A brainstem circuit for nausea suppression. <i>Cell Reports</i> , 2022, 39, 110953.	6.4	15
42	Apoptosis-inducing natural products found in utero during murine pregnancy. <i>Chemistry and Biology</i> , 2000, 7, 365-372.	6.0	11
43	Coordination of two enhancers drives expression of olfactory trace amine-associated receptors. <i>Nature Communications</i> , 2021, 12, 3798.	12.8	8
44	Odor Sensing by Trace Amine-Associated Receptors. , 2016, , 67-80.		6
45	Animal Behavior: Shifting Neural Circuits with Sex Hormones. <i>Current Biology</i> , 2013, 23, R621-R623.	3.9	1
46	Airway mechanoreceptors that control breathing. <i>FASEB Journal</i> , 2018, 32, 893.3.	0.5	0