

Linda B Buck

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

13,302
citations

361045

20
h-index

500791

28
g-index

30
all docs

30
docs citations

30
times ranked

7239
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel multigene family may encode odorant receptors: A molecular basis for odor recognition. <i>Cell</i> , 1991, 65, 175-187.	13.5	4,469
2	Combinatorial Receptor Codes for Odors. <i>Cell</i> , 1999, 96, 713-723.	13.5	2,031
3	Information coding in the olfactory system: Evidence for a stereotyped and highly organized epitope map in the olfactory bulb. <i>Cell</i> , 1994, 79, 1245-1255.	13.5	1,086
4	A zonal organization of odorant receptor gene expression in the olfactory epithelium. <i>Cell</i> , 1993, 73, 597-609.	13.5	1,008
5	A second class of chemosensory receptors in the olfactory epithelium. <i>Nature</i> , 2006, 442, 645-650.	13.7	669
6	A Multigene Family Encoding a Diverse Array of Putative Pheromone Receptors in Mammals. <i>Cell</i> , 1997, 90, 775-784.	13.5	658
7	A family of candidate taste receptors in human and mouse. <i>Nature</i> , 2000, 404, 601-604.	13.7	656
8	The human olfactory receptor gene family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2584-2589.	3.3	504
9	A candidate taste receptor gene near a sweet taste locus. <i>Nature Neuroscience</i> , 2001, 4, 492-498.	7.1	441
10	The mouse olfactory receptor gene family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2156-2161.	3.3	322
11	Genetic tracing reveals a stereotyped sensory map in the olfactory cortex. <i>Nature</i> , 2001, 414, 173-179.	13.7	220
12	Odorants may arouse instinctive behaviours. <i>Nature</i> , 2001, 412, 142-142.	13.7	203
13	Single-cell transcriptomics reveals receptor transformations during olfactory neurogenesis. <i>Science</i> , 2015, 350, 1251-1255.	6.0	201
14	Unraveling the Sense of Smell (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6128-6140.	7.2	194
15	A Large-Scale Analysis of Odor Coding in the Olfactory Epithelium. <i>Journal of Neuroscience</i> , 2011, 31, 9179-9191.	1.7	180
16	A specific area of olfactory cortex involved in stress hormone responses to predator odours. <i>Nature</i> , 2016, 532, 103-106.	13.7	133
17	Combinatorial effects of odorants on mouse behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3300-6.	3.3	115
18	Olfactory Receptor Patterning in a Higher Primate. <i>Journal of Neuroscience</i> , 2014, 34, 12241-12252.	1.7	68

#	ARTICLE	IF	CITATIONS
19	The search for odorant receptors. Cell, 2004, 116, S117-S120.	13.5	35
20	Connect-seq to superimpose molecular on anatomical neural circuit maps. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4375-4384.	3.3	30
21	Olfactory receptor genes expressed in distinct lineages are sequestered in different nuclear compartments. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2403-E2409.	3.3	25
22	A psychological stressor conveyed by appetite-linked neurons. Science Advances, 2020, 6, eaay5366.	4.7	15
23	Receptor Diversity and Spatial Patterning in the Mammalian Olfactory System. Novartis Foundation Symposium, 1993, 179, 51-67.	1.2	10
24	Unraveling the Sense of Smell (Nobel Lecture). ChemInform, 2005, 36, no.	0.1	4
25	Unraveling smell. Harvey Lectures, 2005, 101, 117-34.	0.2	4
26	Odor blocking of stress hormone responses. Scientific Reports, 2022, 12, .	1.6	4