Linda A Barlow

List of Publications by Year
in descending order

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44	2,029	279487	253896
papers	citations	23 h-index	43 g-index

53	53	53	1786
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	COVID-19 and the Chemical Senses: Supporting Players Take Center Stage. Neuron, 2020, 107, 219-233.	3.8	256
2	Wnt-Î²-catenin signaling initiates taste papilla development. Nature Genetics, 2007, 39, 106-112.	9.4	139
3	Progress and renewal in gustation: new insights into taste bud development. Development (Cambridge), 2015, 142, 3620-3629.	1.2	134
4	WNT10A mutation causes ectodermal dysplasia by impairing progenitor cell proliferation and KLF4-mediated differentiation. Nature Communications, 2017, 8, 15397.	5.8	104
5	Embryonic Origin of Amphibian Taste Buds. Developmental Biology, 1995, 169, 273-285.	0.9	100
6	Sonic hedgehogâ€“expressing basal cells are general postâ€mitotic precursors of functional taste receptor cells. Developmental Dynamics, 2014, 243, 1286-1297.	0.8	89
7	Patterns of serotonin and SCP immunoreactivity during metamorphosis of the nervous system of the red abalone,Haliotis rufescens. Journal of Neurobiology, 1992, 23, 829-844.	3.7	83
8	Fate mapping of mammalian embryonic taste bud progenitors. Development (Cambridge), 2009, 136, 1519-1528.	1.2	83
9	Mechanisms of Taste Bud Cell Loss after Head and Neck Irradiation. Journal of Neuroscience, 2012, 32, 3474-3484.	1.7	76
10	Developing and Regenerating a Sense of Taste. Current Topics in Developmental Biology, 2015, 111, 401-419.	1.0	73
11	Induction of ectopic taste buds by SHH reveals the competency and plasticity of adult lingual epithelium. Development (Cambridge), 2014, 141, 2993-3002.	1.2	68
12	Developing a sense of taste. Seminars in Cell and Developmental Biology, 2013, 24, 200-209.	2.3	61
13	FGF Signaling Regulates the Number of Posterior Taste Papillae by Controlling Progenitor Field Size. PLoS Genetics, 2011, 7, e1002098.	1.5	57
14	Î²-Catenin Signaling Biases Multipotent Lingual Epithelial Progenitors to Differentiate and Acquire Specific Taste Cell Fates. PLoS Genetics, 2015, 11, e1005208.	1.5	56
15	Sonic Hedgehog from both nerves and epithelium is a key trophic factor for taste bud maintenance. Development (Cambridge), 2017, 144, 3054-3065.	1.2	48
16	Notch-associated gene expression in embryonic and adult taste papillae and taste buds suggests a role in taste cell lineage decisions. Journal of Comparative Neurology, 2003, 464, 49-61.	0.9	46
17	Amphibians provide new insights into taste-bud development. Trends in Neurosciences, 1998, 21, 38-43.	4.2	40
18	Taste bud cells of adult mice are responsive to Wnt/Î²â€catenin signaling: Implications for the renewal of mature taste cells. Genesis, 2011, 49, 295-306.	0.8	36

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19	Embryonic origin of gustatory cranial sensory neurons. Developmental Biology, 2007, 310, 317-328.	0.9	34
20	The bHLH transcription factors, Hes6 and Mash1, are expressed in distinct subsets of cells within adult mouse taste buds. Archives of Histology and Cytology, 2006, 69, 189-198.	0.2	33
21	Identifying Treatments for Taste and Smell Disorders: Gaps and Opportunities. Chemical Senses, 2020, 45, 493-502.	1.1	32
22	Î²-catenin is required for taste bud cell renewal and behavioral taste perception in adult mice. PLoS Genetics, 2017, 13, e1006990.	1.5	32
23	Cranial Nerve Development: Placodal Neurons Ride the Crest. Current Biology, 2002, 12, R171-R173.	1.8	30
24	Onset of taste bud cell renewal starts at birth and coincides with a shift in SHH function. ELife, 2021, 10, .	2.8	24
25	Differential expression of a BMP4 reporter allele in anterior fungiform versus posterior circumvallate taste buds of mice. BMC Neuroscience, 2010, 11, 129.	0.8	23
26	Epibranchial placodeâ€derived neurons produce BDNF required for early sensory neuron development. Developmental Dynamics, 2011, 240, 309-323.	0.8	23
27	Cellular diversity and regeneration in taste buds. Current Opinion in Physiology, 2021, 20, 146-153.	0.9	22
28	A Taste for Development. Neuron, 1999, 22, 209-212.	3.8	19
29	Distribution and Innervation of Taste Buds in the Axolotl. Brain, Behavior and Evolution, 2000, 56, 123-145.	0.9	18
30	Fractionated head and neck irradiation impacts taste progenitors, differentiated taste cells, and Wnt/Î²-catenin signaling in adult mice. Scientific Reports, 2019, 9, 17934.	1.6	18
31	The Role of Innervation in the Development of Taste Buds: Insights from Studies of Amphibian Embryosa. Annals of the New York Academy of Sciences, 1998, 855, 58-69.	1.8	17
32	Toward a unified model of vertebrate taste bud development. Journal of Comparative Neurology, 2003, 457, 107-110.	0.9	17
33	SOX2 Regulation by hedgehog signaling controls adult lingual epithelium homeostasis. Development (Cambridge), 2018, 145, .	1.2	17
34	Gustatory neurons derived from epibranchial placodes are attracted to, and trophically supported by, taste bud-bearing endoderm in vitro. Developmental Biology, 2003, 264, 467-481.	0.9	15
35	ÃŸ-Catenin signaling regulates temporally discrete phases of anterior taste bud development. Development (Cambridge), 2015, 142, 4309-17.	1.2	15
36	Specification of pharyngeal endoderm is dependent on early signals from axial mesoderm. Development (Cambridge), 2001, 128, 4573-4583.	1.2	14

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37	The sense of taste: Development, regeneration, and dysfunction. WIREs Mechanisms of Disease, 2022, 14, e1547.	1.5	14
38	Cell contact-dependent mechanisms specify taste bud pattern during a critical period early in embryonic development. Developmental Dynamics, 2004, 230, 630-642.	0.8	12
39	Effect of Radiation on Sucrose Detection Thresholds of Mice. Chemical Senses, 2018, 43, 53-58.	1.1	12
40	Analysis of the embryonic lineage of vertebrate taste buds. Chemical Senses, 1994, 19, 715-724.	1.1	8
41	A mechanistic overview of taste bud maintenance and impairment in cancer therapies. Chemical Senses, 2021, 46, .	1.1	6
42	In Vivo Fate Tracing Studies of Mammalian Taste Cell Progenitors. Annals of the New York Academy of Sciences, 2009, 1170, 34-38.	1.8	5
43	Generation and Culture of Lingual Organoids Derived from Adult Mouse Taste Stem Cells. Journal of Visualized Experiments, 2021, , .	0.2	4
44	How Do Taste Buds EAT?: Defining the Embryoâ€toâ€Adult Transition in Mouse Taste Bud Development and Regeneration. FASEB Journal, 2019, 33, 81.1.	0.2	0