

Darren W Logan

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

5,547
citations

172457

29
h-index

189892

50
g-index

59
all docs

59
docs citations

59
times ranked

9578
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-neuronal expression of SARS-CoV-2 entry genes in the olfactory system suggests mechanisms underlying COVID-19-associated anosmia. <i>Science Advances</i> , 2020, 6, .	10.3	865
2	Adipocyte Accumulation in the Bone Marrow during Obesity and Aging Impairs Stem Cell-Based Hematopoietic and Bone Regeneration. <i>Cell Stem Cell</i> , 2017, 20, 771-784.e6.	11.1	566
3	Identification of protein pheromones that promote aggressive behaviour. <i>Nature</i> , 2007, 450, 899-902.	27.8	472
4	Genome-wide Generation and Systematic Phenotyping of Knockout Mice Reveals New Roles for Many Genes. <i>Cell</i> , 2013, 154, 452-464.	28.9	449
5	The Vomeronasal Organ Mediates Interspecies Defensive Behaviors through Detection of Protein Pheromone Homologs. <i>Cell</i> , 2010, 141, 692-703.	28.9	308
6	Sixteen diverse laboratory mouse reference genomes define strain-specific haplotypes and novel functional loci. <i>Nature Genetics</i> , 2018, 50, 1574-1583.	21.4	169
7	Regulation of pigmentation in zebrafish melanophores. <i>Pigment Cell & Melanoma Research</i> , 2006, 19, 206-213.	3.6	166
8	Murine Pheromone Proteins Constitute a Context-Dependent Combinatorial Code Governing Multiple Social Behaviors. <i>Cell</i> , 2014, 157, 676-688.	28.9	166
9	Cyclic Regulation of Sensory Perception by a Female Hormone Alters Behavior. <i>Cell</i> , 2015, 161, 1334-1344.	28.9	161
10	Hierarchical deconstruction of mouse olfactory sensory neurons: from whole mucosa to single-cell RNA-seq. <i>Scientific Reports</i> , 2015, 5, 18178.	3.3	148
11	The structure and evolution of the melanocortin and MCH receptors in fish and mammals. <i>Genomics</i> , 2003, 81, 184-191.	2.9	139
12	Species Specificity in Major Urinary Proteins by Parallel Evolution. <i>PLoS ONE</i> , 2008, 3, e3280.	2.5	138
13	The Olfactory Transcriptomes of Mice. <i>PLoS Genetics</i> , 2014, 10, e1004593.	3.5	134
14	Learned Recognition of Maternal Signature Odors Mediates the First Suckling Episode in Mice. <i>Current Biology</i> , 2012, 22, 1998-2007.	3.9	128
15	Heterogeneity of hypothalamic pro-opiomelanocortin-expressing neurons revealed by single-cell RNA sequencing. <i>Molecular Metabolism</i> , 2017, 6, 383-392.	6.5	128
16	BCL11A Haploinsufficiency Causes an Intellectual Disability Syndrome and Dysregulates Transcription. <i>American Journal of Human Genetics</i> , 2016, 99, 253-274.	6.2	118
17	Variation in olfactory neuron repertoires is genetically controlled and environmentally modulated. <i>ELife</i> , 2017, 6, .	6.0	86
18	Disruption of Mouse <i>Cenpj</i> , a Regulator of Centriole Biogenesis, Phenocopies Seckel Syndrome. <i>PLoS Genetics</i> , 2012, 8, e1003022.	3.5	84

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19	The genomic basis of vomeronasal-mediated behaviour. <i>Mammalian Genome</i> , 2014, 25, 75-86.	2.2	81
20	Molecular and neuronal homology between the olfactory systems of zebrafish and mouse. <i>Scientific Reports</i> , 2015, 5, 11487.	3.3	69
21	Olfactory mucosa-expressed organic anion transporter, <i>Oat6</i> , manifests high affinity interactions with odorant organic anions. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 872-876.	2.1	59
22	A transcriptomic atlas of mammalian olfactory mucosae reveals an evolutionary influence on food odor detection in humans. <i>Science Advances</i> , 2019, 5, eaax0396.	10.3	59
23	Olfactory mechanisms of stereotyped behavior: on the scent of specialized circuits. <i>Current Opinion in Neurobiology</i> , 2010, 20, 274-280.	4.2	57
24	Obesity-associated gene <i>TMEM18</i> has a role in the central control of appetite and body weight regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9421-9426.	7.1	57
25	Sexual dimorphism in olfactory signaling. <i>Current Opinion in Neurobiology</i> , 2010, 20, 770-775.	4.2	56
26	Revisiting olfactory receptors as putative drivers of cancer. <i>Wellcome Open Research</i> , 2017, 2, 9.	1.8	56
27	Pregnancy and estrogen enhance neural progenitor-cell proliferation in the vomeronasal sensory epithelium. <i>BMC Biology</i> , 2015, 13, 104.	3.8	42
28	The mouse genetics toolkit: revealing function and mechanism. <i>Genome Biology</i> , 2011, 12, 224.	9.6	39
29	Ten Simple Rules for Editing Wikipedia. <i>PLoS Computational Biology</i> , 2010, 6, e1000941.	3.2	36
30	Genomic variation in the vomeronasal receptor gene repertoires of inbred mice. <i>BMC Genomics</i> , 2012, 13, 415.	2.8	32
31	Large-scale analysis of gene structure in rhodopsin-like GPCRs: evidence for widespread loss of an ancient intron. <i>Gene</i> , 2004, 338, 15-23.	2.2	31
32	Sequence Characterization of Teleost Fish Melanocortin Receptors. <i>Annals of the New York Academy of Sciences</i> , 2003, 994, 319-330.	3.8	30
33	Expert curation of the human and mouse olfactory receptor gene repertoires identifies conserved coding regions split across two exons. <i>BMC Genomics</i> , 2020, 21, 196.	2.8	28
34	Epistatic interactions between modifier genes confer strain-specific redundancy for <i>Tgfb1</i> in developmental angiogenesis. <i>Genomics</i> , 2005, 85, 60-70.	2.9	26
35	Modeling Partial Monosomy for Human Chromosome 21q11.2-q21.1 Reveals Haploinsufficient Genes Influencing Behavior and Fat Deposition. <i>PLoS ONE</i> , 2012, 7, e29681.	2.5	24
36	Do you smell what I smell? Genetic variation in olfactory perception. <i>Biochemical Society Transactions</i> , 2014, 42, 861-865.	3.4	24

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37	Not all forms of dietary phosphorus are equal: an evaluation of postprandial phosphorus concentrations in the plasma of the cat. <i>British Journal of Nutrition</i> , 2019, 121, 270-284.	2.3	24
38	Trappc9 deficiency causes parent-of-origin dependent microcephaly and obesity. <i>PLoS Genetics</i> , 2020, 16, e1008916.	3.5	22
39	Detection of pup odors by non-canonical adult vomeronasal neurons expressing an odorant receptor gene is influenced by sex and parenting status. <i>BMC Biology</i> , 2016, 14, 12.	3.8	18
40	A 3D transcriptomics atlas of the mouse nose sheds light on the anatomical logic of smell. <i>Cell Reports</i> , 2022, 38, 110547.	6.4	16
41	Olfaction and olfactory-mediated behaviour in psychiatric disease models. <i>Cell and Tissue Research</i> , 2013, 354, 69-80.	2.9	15
42	Deconstructing pheromone-mediated behavior one layer at a time. <i>BMC Biology</i> , 2014, 12, 33.	3.8	14
43	Generation of the Sotos syndrome deletion in mice. <i>Mammalian Genome</i> , 2012, 23, 749-757.	2.2	13
44	LUSH Shapes Up for a Starring Role in Olfaction. <i>Cell</i> , 2008, 133, 1137-1139.	28.9	12
45	Time to underpin Wikipedia wisdom. <i>Nature</i> , 2010, 468, 765-765.	27.8	12
46	Elevated Cytosolic Cl ⁻ Concentrations in Dendritic Knobs of Mouse Vomeronasal Sensory Neurons. <i>Chemical Senses</i> , 2016, 41, 669-676.	2.0	12
47	Hot to touch: the story of the 2021 Nobel Prize in Physiology or Medicine. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	2.4	10
48	The complexity of pheromone-mediated behaviour in mammals. <i>Current Opinion in Behavioral Sciences</i> , 2015, 2, 96-101.	3.9	7
49	Towards establishing no observed adverse effect levels (NOAEL) for different sources of dietary phosphorus in feline adult diets: results from a 7-month feeding study. <i>British Journal of Nutrition</i> , 2021, 126, 1626-1641.	2.3	5
50	Dietary calcium to phosphorus ratio affects postprandial phosphorus concentrations in feline plasma. <i>British Journal of Nutrition</i> , 2022, 128, 1689-1699.	2.3	4