Darren W Logan

List of Publications by Year
in descending order

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	Dietary calcium to phosphorus ratio affects postprandial phosphorus concentrations in feline plasma. British Journal of Nutrition, 2022, 128, 1689-1699.	2.3	4
2	A 3D transcriptomics atlas of the mouse nose sheds light on the anatomical logic of smell. Cell Reports, 2022, 38, 110547.	6.4	16
3	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. British Journal of Nutrition, 2021, 126, 1626-1641.	2.3	5
4	Hot to touch: the story of the 2021 Nobel Prize in Physiology or Medicine. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	10
5	Non-neuronal expression of SARS-CoV-2 entry genes in the olfactory system suggests mechanisms underlying COVID-19-associated anosmia. Science Advances, 2020, 6, .	10.3	865
6	Trappc9 deficiency causes parent-of-origin dependent microcephaly and obesity. PLoS Genetics, 2020, 16, e1008916.	3.5	22
7	Expert curation of the human and mouse olfactory receptor gene repertoires identifies conserved coding regions split across two exons. BMC Genomics, 2020, 21, 196.	2.8	28
8	A transcriptomic atlas of mammalian olfactory mucosae reveals an evolutionary influence on food odor detection in humans. Science Advances, 2019, 5, eaax0396.	10.3	59
9	Not all forms of dietary phosphorus are equal: an evaluation of postprandial phosphorus concentrations in the plasma of the cat. British Journal of Nutrition, 2019, 121, 270-284.	2.3	24
10	Sixteen diverse laboratory mouse reference genomes define strain-specific haplotypes and novel functional loci. Nature Genetics, 2018, 50, 1574-1583.	21.4	169
11	Heterogeneity of hypothalamic pro-opiomelanocortin-expressing neurons revealed by single-cell RNA sequencing. Molecular Metabolism, 2017, 6, 383-392.	6.5	128
12	Adipocyte Accumulation in the Bone Marrow during Obesity and Aging Impairs Stem Cell-Based Hematopoietic and Bone Regeneration. Cell Stem Cell, 2017, 20, 771-784.e6.	11.1	566
13	Obesity-associated gene TMEM18 has a role in the central control of appetite and body weight regulation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9421-9426.	7.1	57
14	Revisiting olfactory receptors as putative drivers of cancer. Wellcome Open Research, 2017, 2, 9.	1.8	56
15	Variation in olfactory neuron repertoires is genetically controlled and environmentally modulated. ELife, 2017, 6, .	6.0	86
16	Elevated Cytosolic Clâ^'Concentrations in Dendritic Knobs of Mouse Vomeronasal Sensory Neurons. Chemical Senses, 2016, 41, 669-676.	2.0	12
17	BCL11A Haploinsufficiency Causes an Intellectual Disability Syndrome and Dysregulates Transcription. American Journal of Human Genetics, 2016, 99, 253-274.	6.2	118
18	Detection of pup odors by non-canonical adult vomeronasal neurons expressing an odorant receptor gene is influenced by sex and parenting status. BMC Biology, 2016, 14, 12.	3.8	18

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19	Pregnancy and estrogen enhance neural progenitor-cell proliferation in the vomeronasal sensory epithelium. BMC Biology, 2015, 13, 104.	3.8	42
20	Molecular and neuronal homology between the olfactory systems of zebrafish and mouse. Scientific Reports, 2015, 5, 11487.	3.3	69
21	Hierarchical deconstruction of mouse olfactory sensory neurons: from whole mucosa to single-cell RNA-seq. Scientific Reports, 2015, 5, 18178.	3.3	148
22	Cyclic Regulation of Sensory Perception by a Female Hormone Alters Behavior. Cell, 2015, 161, 1334-1344.	28.9	161
23	The complexity of pheromone-mediated behaviour in mammals. Current Opinion in Behavioral Sciences, 2015, 2, 96-101.	3.9	7
24	The Olfactory Transcriptomes of Mice. PLoS Genetics, 2014, 10, e1004593.	3.5	134
25	Murine Pheromone Proteins Constitute a Context-Dependent Combinatorial Code Governing Multiple Social Behaviors. Cell, 2014, 157, 676-688.	28.9	166
26	The genomic basis of vomeronasal-mediated behaviour. Mammalian Genome, 2014, 25, 75-86.	2.2	81
27	Deconstructing pheromone-mediated behavior one layer at a time. BMC Biology, 2014, 12, 33.	3.8	14
28	Do you smell what I smell? Genetic variation in olfactory perception. Biochemical Society Transactions, 2014, 42, 861-865.	3.4	24
29	Olfaction and olfactory-mediated behaviour in psychiatric disease models. Cell and Tissue Research, 2013, 354, 69-80.	2.9	15
30	Genome-wide Generation and Systematic Phenotyping of Knockout Mice Reveals New Roles for Many Genes. Cell, 2013, 154, 452-464.	28.9	449
31	Disruption of Mouse Cenpj, a Regulator of Centriole Biogenesis, Phenocopies Seckel Syndrome. PLoS Genetics, 2012, 8, e1003022.	3.5	84
32	Generation of the Sotos syndrome deletion in mice. Mammalian Genome, 2012, 23, 749-757.	2.2	13
33	Genomic variation in the vomeronasal receptor gene repertoires of inbred mice. BMC Genomics, 2012, 13, 415.	2.8	32
34	Learned Recognition of Maternal Signature Odors Mediates the First Suckling Episode in Mice. Current Biology, 2012, 22, 1998-2007.	3.9	128
35	Modeling Partial Monosomy for Human Chromosome 21q11.2-q21.1 Reveals Haploinsufficient Genes Influencing Behavior and Fat Deposition. PLoS ONE, 2012, 7, e29681.	2.5	24
36	The mouse genetics toolkit: revealing function and mechanism. Genome Biology, 2011, 12, 224.	9.6	39

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37	Olfactory mechanisms of stereotyped behavior: on the scent of specialized circuits. Current Opinion in Neurobiology, 2010, 20, 274-280.	4.2	57
38	Sexual dimorphism in olfactory signaling. Current Opinion in Neurobiology, 2010, 20, 770-775.	4.2	56
39	Time to underpin Wikipedia wisdom. Nature, 2010, 468, 765-765.	27.8	12
40	Ten Simple Rules for Editing Wikipedia. PLoS Computational Biology, 2010, 6, e1000941.	3.2	36
41	The Vomeronasal Organ Mediates Interspecies Defensive Behaviors through Detection of Protein Pheromone Homologs. Cell, 2010, 141, 692-703.	28.9	308
42	LUSH Shapes Up for a Starring Role in Olfaction. Cell, 2008, 133, 1137-1139.	28.9	12
43	Species Specificity in Major Urinary Proteins by Parallel Evolution. PLoS ONE, 2008, 3, e3280.	2.5	138
44	Identification of protein pheromones that promote aggressive behaviour. Nature, 2007, 450, 899-902.	27.8	472
45	Olfactory mucosa-expressed organic anion transporter, Oat6, manifests high affinity interactions with odorant organic anions. Biochemical and Biophysical Research Communications, 2006, 351, 872-876.	2.1	59
46	Regulation of pigmentation in zebrafish melanophores. Pigment Cell & Melanoma Research, 2006, 19, 206-213.	3.6	166
47	Epistatic interactions between modifier genes confer strain-specific redundancy for Tgfb1 in developmental angiogenesis. Genomics, 2005, 85, 60-70.	2.9	26
48	Large-scale analysis of gene structure in rhodopsin-like GPCRs: evidence for widespread loss of an ancient intron. Gene, 2004, 338, 15-23.	2.2	31
49	Sequence Characterization of Teleost Fish Melanocortin Receptors. Annals of the New York Academy of Sciences, 2003, 994, 319-330.	3.8	30
50	The structure and evolution of the melanocortin and MCH receptors in fish and mammals. Genomics, 2003, 81, 184-191.	2.9	139