

Catherine Dulac

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11781/catherine-dulac-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

5,034
citations

25
h-index

44
g-index

44
ext. papers

6,373
ext. citations

27.1
avg, IF

5.88
L-index

#	Paper	IF	Citations
38	Loss of sex discrimination and male-male aggression in mice deficient for TRP2. <i>Science</i> , 2002 , 295, 1493-500	33.3	665
37	Molecular detection of pheromone signals in mammals: from genes to behaviour. <i>Nature Reviews Neuroscience</i> , 2003 , 4, 551-62	13.5	485
36	High-resolution analysis of parent-of-origin allelic expression in the mouse brain. <i>Science</i> , 2010 , 329, 643-8	33.3	435
35	Molecular, spatial, and functional single-cell profiling of the hypothalamic preoptic region. <i>Science</i> , 2018 , 362,	33.3	411
34	Mapping of Brain Activity by Automated Volume Analysis of Immediate Early Genes. <i>Cell</i> , 2016 , 165, 1789-1802	39.1	391
33	Olfactory inputs to hypothalamic neurons controlling reproduction and fertility. <i>Cell</i> , 2005 , 123, 669-82	56.2	339
32	A functional circuit underlying male sexual behaviour in the female mouse brain. <i>Nature</i> , 2007 , 448, 1009-14	31.8	318
31	Neural control of maternal and paternal behaviors. <i>Science</i> , 2014 , 345, 765-70	33.3	241
30	Molecular organization of vomeronasal chemoreception. <i>Nature</i> , 2011 , 478, 241-5	50.4	227
29	Brain function and chromatin plasticity. <i>Nature</i> , 2010 , 465, 728-35	50.4	209
28	Functional circuit architecture underlying parental behaviour. <i>Nature</i> , 2018 , 556, 326-331	50.4	163
27	High-performance multiplexed fluorescence in situ hybridization in culture and tissue with matrix imprinting and clearing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14456-14461	11.5	155
26	Sex-specific processing of social cues in the medial amygdala. <i>ELife</i> , 2014 , 3, e02743	8.9	133
25	The genetic basis of parental care evolution in monogamous mice. <i>Nature</i> , 2017 , 544, 434-439	50.4	121
24	Neuronal Representation of Social Information in the Medial Amygdala of Awake Behaving Mice. <i>Cell</i> , 2017 , 171, 1176-1190.e17	56.2	121
23	Oxytocin signaling in the medial amygdala is required for sex discrimination of social cues. <i>ELife</i> , 2017 , 6,	8.9	69
22	Neural mechanisms underlying sex-specific behaviors in vertebrates. <i>Current Opinion in Neurobiology</i> , 2007 , 17, 675-83	7.6	61

21	The neurobiology of parenting: A neural circuit perspective. <i>BioEssays</i> , 2017 , 39, 1-11	4.1	58
20	Mapping ecologically relevant social behaviours by gene knockout in wild mice. <i>Nature Communications</i> , 2014 , 5, 4569	17.4	58
19	Quantitative and functional interrogation of parent-of-origin allelic expression biases in the brain. <i>ELife</i> , 2015 , 4, e07860	8.9	53
18	New Perspectives on Genomic Imprinting, an Essential and Multifaceted Mode of Epigenetic Control in the Developing and Adult Brain. <i>Annual Review of Neuroscience</i> , 2016 , 39, 347-84	17	53
17	The Mind of a Mouse. <i>Cell</i> , 2020 , 182, 1372-1376	56.2	49
16	Multisensory Logic of Infant-Directed Aggression by Males. <i>Cell</i> , 2018 , 175, 1827-1841.e17	56.2	47
15	Neural control of parental behaviors. <i>Current Opinion in Neurobiology</i> , 2018 , 49, 116-122	7.6	40
14	Neural coding of sex-specific social information in the mouse brain. <i>Current Opinion in Neurobiology</i> , 2018 , 53, 120-130	7.6	33
13	Histone variants and cellular plasticity. <i>Trends in Genetics</i> , 2015 , 31, 516-27	8.5	21
12	Sex separation induces differences in the olfactory sensory receptor repertoires of male and female mice. <i>Nature Communications</i> , 2018 , 9, 5081	17.4	17
11	Evaluating single-cell cluster stability using the Jaccard similarity index. <i>Bioinformatics</i> , 2021 , 37, 2212-2214	11.4	9
10	Sex and the single splice. <i>Cell</i> , 2005 , 121, 664-6	56.2	9
9	Sparse encoding of natural scents. <i>Neuron</i> , 2006 , 50, 816-8	13.9	8
8	Optimized Protocol for Imaging Cleared Neural Tissues Using Light Microscopy. <i>Methods in Molecular Biology</i> , 2017 , 1538, 137-153	1.4	7
7	Characterizing spatial gene expression heterogeneity in spatially resolved single-cell transcriptomic data with nonuniform cellular densities. <i>Genome Research</i> , 2021 , 31, 1843-1855	9.7	7
6	neurons in the mouse perifornical area promote infant-directed neglect and aggression. <i>ELife</i> , 2021 , 10,	8.9	5
5	Molecular architecture of pheromone sensing in mammals. <i>Novartis Foundation Symposium</i> , 2005 , 268, 100-7; discussion 107-10, 167-70		3
4	Perifornical Area Urocortin-3 Neurons Promote Infant-directed Neglect and Aggression		3

- 3 Neuroscience. Charting olfactory maps. *Science*, **2006**, 314, 606-7 33.3 2
- 2 Author response: Oxytocin signaling in the medial amygdala is required for sex discrimination of social cues **2017**, 2
- 1 Molecular and Circuit Architecture of Social Hierarchy 2