

# Catherine Dulac

## List of Publications by Year in Descending Order

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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	Evaluating single-cell cluster stability using the Jaccard similarity index. <i>Bioinformatics</i> , <b>2021</b> , 37, 2212-2214	7.14	9
37	Characterizing spatial gene expression heterogeneity in spatially resolved single-cell transcriptomic data with nonuniform cellular densities. <i>Genome Research</i> , <b>2021</b> , 31, 1843-1855	9.7	7
36	neurons in the mouse perifornical area promote infant-directed neglect and aggression. <i>ELife</i> , <b>2021</b> , 10,	8.9	5
35	The Mind of a Mouse. <i>Cell</i> , <b>2020</b> , 182, 1372-1376	56.2	49
34	Neural control of parental behaviors. <i>Current Opinion in Neurobiology</i> , <b>2018</b> , 49, 116-122	7.6	40
33	Functional circuit architecture underlying parental behaviour. <i>Nature</i> , <b>2018</b> , 556, 326-331	50.4	163
32	Neural coding of sex-specific social information in the mouse brain. <i>Current Opinion in Neurobiology</i> , <b>2018</b> , 53, 120-130	7.6	33
31	Multisensory Logic of Infant-Directed Aggression by Males. <i>Cell</i> , <b>2018</b> , 175, 1827-1841.e17	56.2	47
30	Sex separation induces differences in the olfactory sensory receptor repertoires of male and female mice. <i>Nature Communications</i> , <b>2018</b> , 9, 5081	17.4	17
29	Molecular, spatial, and functional single-cell profiling of the hypothalamic preoptic region. <i>Science</i> , <b>2018</b> , 362,	33.3	411
28	The genetic basis of parental care evolution in monogamous mice. <i>Nature</i> , <b>2017</b> , 544, 434-439	50.4	121
27	The neurobiology of parenting: A neural circuit perspective. <i>BioEssays</i> , <b>2017</b> , 39, 1-11	4.1	58
26	Optimized Protocol for Imaging Cleared Neural Tissues Using Light Microscopy. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1538, 137-153	1.4	7
25	Neuronal Representation of Social Information in the Medial Amygdala of Awake Behaving Mice. <i>Cell</i> , <b>2017</b> , 171, 1176-1190.e17	56.2	121
24	Oxytocin signaling in the medial amygdala is required for sex discrimination of social cues. <i>ELife</i> , <b>2017</b> , 6,	8.9	69
23	Author response: Oxytocin signaling in the medial amygdala is required for sex discrimination of social cues <b>2017</b> ,		2
22	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> , <b>2016</b> , 113, 14456-14461	11.5	155

21	Mapping of Brain Activity by Automated Volume Analysis of Immediate Early Genes. <i>Cell</i> , <b>2016</b> , 165, 1789-1802	391
20	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> , <b>2016</b> , 39, 347-84	17 53
19	Histone variants and cellular plasticity. <i>Trends in Genetics</i> , <b>2015</b> , 31, 516-27	8.5 21
18	Quantitative and functional interrogation of parent-of-origin allelic expression biases in the brain. <i>ELife</i> , <b>2015</b> , 4, e07860	8.9 53
17	Mapping ecologically relevant social behaviours by gene knockout in wild mice. <i>Nature Communications</i> , <b>2014</b> , 5, 4569	17.4 58
16	Neural control of maternal and paternal behaviors. <i>Science</i> , <b>2014</b> , 345, 765-70	33.3 241
15	Sex-specific processing of social cues in the medial amygdala. <i>ELife</i> , <b>2014</b> , 3, e02743	8.9 133
14	Molecular organization of vomeronasal chemoreception. <i>Nature</i> , <b>2011</b> , 478, 241-5	50.4 227
13	Brain function and chromatin plasticity. <i>Nature</i> , <b>2010</b> , 465, 728-35	50.4 209
12	High-resolution analysis of parent-of-origin allelic expression in the mouse brain. <i>Science</i> , <b>2010</b> , 329, 643-8	33.3 435
11	A functional circuit underlying male sexual behaviour in the female mouse brain. <i>Nature</i> , <b>2007</b> , 448, 1009-14	50.4 318
10	Neural mechanisms underlying sex-specific behaviors in vertebrates. <i>Current Opinion in Neurobiology</i> , <b>2007</b> , 17, 675-83	7.6 61
9	Neuroscience. Charting olfactory maps. <i>Science</i> , <b>2006</b> , 314, 606-7	33.3 2
8	Sparse encoding of natural scents. <i>Neuron</i> , <b>2006</b> , 50, 816-8	13.9 8
7	Molecular architecture of pheromone sensing in mammals. <i>Novartis Foundation Symposium</i> , <b>2005</b> , 268, 100-7; discussion 107-10, 167-70	3
6	Sex and the single splice. <i>Cell</i> , <b>2005</b> , 121, 664-6	56.2 9
5	Olfactory inputs to hypothalamic neurons controlling reproduction and fertility. <i>Cell</i> , <b>2005</b> , 123, 669-82	56.2 339
4	Molecular detection of pheromone signals in mammals: from genes to behaviour. <i>Nature Reviews Neuroscience</i> , <b>2003</b> , 4, 551-62	13.5 485

- 3 Loss of sex discrimination and male-male aggression in mice deficient for TRP2. *Science*, **2002**, 295, 1493-500 665
- 2 Perifornical Area Urocortin-3 Neurons Promote Infant-directed Neglect and Aggression 3
- 1 Molecular and Circuit Architecture of Social Hierarchy 2