

Catherine Dulac

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11781/publications.pdf>

Version: 2024-02-01

36
papers

7,257
citations

186265
28
h-index

345221
36
g-index

44
all docs

44
docs citations

44
times ranked

8669
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular, spatial, and functional single-cell profiling of the hypothalamic preoptic region. <i>Science</i> , 2018, 362, .	12.6	812
2	Loss of Sex Discrimination and Male-Male Aggression in Mice Deficient for TRP2. <i>Science</i> , 2002, 295, 1493-1500.	12.6	774
3	Mapping of Brain Activity by Automated Volume Analysis of Immediate Early Genes. <i>Cell</i> , 2016, 165, 1789-1802.	28.9	641
4	Molecular detection of pheromone signals in mammals: from genes to behaviour. <i>Nature Reviews Neuroscience</i> , 2003, 4, 551-562.	10.2	570
5	High-Resolution Analysis of Parent-of-Origin Allelic Expression in the Mouse Brain. <i>Science</i> , 2010, 329, 643-648.	12.6	509
6	Olfactory Inputs to Hypothalamic Neurons Controlling Reproduction and Fertility. <i>Cell</i> , 2005, 123, 669-682.	28.9	403
7	A functional circuit underlying male sexual behaviour in the female mouse brain. <i>Nature</i> , 2007, 448, 1009-1014.	27.8	376
8	Neural control of maternal and paternal behaviors. <i>Science</i> , 2014, 345, 765-770.	12.6	336
9	Functional circuit architecture underlying parental behaviour. <i>Nature</i> , 2018, 556, 326-331.	27.8	290
10	Molecular organization of vomeronasal chemoreception. <i>Nature</i> , 2011, 478, 241-245.	27.8	286
11	Brain function and chromatin plasticity. <i>Nature</i> , 2010, 465, 728-735.	27.8	240
12	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.	7.1	224
13	The genetic basis of parental care evolution in monogamous mice. <i>Nature</i> , 2017, 544, 434-439.	27.8	205
14	Neuronal Representation of Social Information in the Medial Amygdala of Awake Behaving Mice. <i>Cell</i> , 2017, 171, 1176-1190.e17.	28.9	197
15	Sex-specific processing of social cues in the medial amygdala. <i>ELife</i> , 2014, 3, e02743.	6.0	179
16	The Mind of a Mouse. <i>Cell</i> , 2020, 182, 1372-1376.	28.9	127
17	Oxytocin signaling in the medial amygdala is required for sex discrimination of social cues. <i>ELife</i> , 2017, 6, .	6.0	104
18	The neurobiology of parenting: A neural circuit perspective. <i>BioEssays</i> , 2017, 39, 1-11.	2.5	96

#	ARTICLE	IF	CITATIONS
19	Mapping ecologically relevant social behaviours by gene knockout in wild mice. <i>Nature Communications</i> , 2014, 5, 4569.	12.8	88
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> , 2016, 39, 347-384.	10.7	86
21	Neural control of parental behaviors. <i>Current Opinion in Neurobiology</i> , 2018, 49, 116-122.	4.2	81
22	Neural mechanisms underlying sex-specific behaviors in vertebrates. <i>Current Opinion in Neurobiology</i> , 2007, 17, 675-683.	4.2	79
23	Characterizing spatial gene expression heterogeneity in spatially resolved single-cell transcriptomic data with nonuniform cellular densities. <i>Genome Research</i> , 2021, 31, 1843-1855.	5.5	79
24	Quantitative and functional interrogation of parent-of-origin allelic expression biases in the brain. <i>ELife</i> , 2015, 4, e07860.	6.0	75
25	Multisensory Logic of Infant-Directed Aggression by Males. <i>Cell</i> , 2018, 175, 1827-1841.e17.	28.9	73
26	Neural coding of sex-specific social information in the mouse brain. <i>Current Opinion in Neurobiology</i> , 2018, 53, 120-130.	4.2	62
27	A preoptic neuronal population controls fever and appetite during sickness. <i>Nature</i> , 2022, 606, 937-944.	27.8	52
28	Evaluating single-cell cluster stability using the Jaccard similarity index. <i>Bioinformatics</i> , 2021, 37, 2212-2214.	4.1	49
29	Sex separation induces differences in the olfactory sensory receptor repertoires of male and female mice. <i>Nature Communications</i> , 2018, 9, 5081.	12.8	36
30	Urocortin-3 neurons in the mouse perifornical area promote infant-directed neglect and aggression. <i>ELife</i> , 2021, 10, .	6.0	30
31	Histone variants and cellular plasticity. <i>Trends in Genetics</i> , 2015, 31, 516-527.	6.7	28
32	Sparse Encoding of Natural Scents. <i>Neuron</i> , 2006, 50, 816-818.	8.1	11
33	Optimized Protocol for Imaging Cleared Neural Tissues Using Light Microscopy. <i>Methods in Molecular Biology</i> , 2017, 1538, 137-153.	0.9	11
34	Sex and the Single Splice. <i>Cell</i> , 2005, 121, 664-666.	28.9	9
35	NEUROSCIENCE: Charting Olfactory Maps. <i>Science</i> , 2006, 314, 606-607.	12.6	3
36	Molecular architecture of pheromone sensing in mammals. <i>Novartis Foundation Symposium</i> , 2008, 268, 100-110.	1.1	3