

David J Anderson

List of Publications by Citations

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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.

52
papers

5,718
citations

34
h-index

62
g-index

62
ext. papers

7,748
ext. citations

24.2
avg, IF

6.15
L-index

#	Paper	IF	Citations
52	Functional identification of an aggression locus in the mouse hypothalamus. <i>Nature</i> , 2011 , 470, 221-6	50.4	604
51	Ventromedial hypothalamic neurons control a defensive emotion state. <i>ELife</i> , 2015 , 4,	8.9	399
50	NRSF/REST is required in vivo for repression of multiple neuronal target genes during embryogenesis. <i>Nature Genetics</i> , 1998 , 20, 136-42	36.3	399
49	Genetic ablation of parathyroid glands reveals another source of parathyroid hormone. <i>Nature</i> , 2000 , 406, 199-203	50.4	318
48	A framework for studying emotions across species. <i>Cell</i> , 2014 , 157, 187-200	56.2	269
47	Scalable control of mounting and attack by Esr1+ neurons in the ventromedial hypothalamus. <i>Nature</i> , 2014 , 509, 627-32	50.4	269
46	Automated monitoring and analysis of social behavior in Drosophila. <i>Nature Methods</i> , 2009 , 6, 297-303	21.6	251
45	Toward a science of computational ethology. <i>Neuron</i> , 2014 , 84, 18-31	13.9	238
44	Antagonistic control of social versus repetitive self-grooming behaviors by separable amygdala neuronal subsets. <i>Cell</i> , 2014 , 158, 1348-1361	56.2	222
43	Central amygdala PKC- α neurons mediate the influence of multiple anorexigenic signals. <i>Nature Neuroscience</i> , 2014 , 17, 1240-8	25.5	203
42	Optogenetic control of Drosophila using a red-shifted channelrhodopsin reveals experience-dependent influences on courtship. <i>Nature Methods</i> , 2014 , 11, 325-32	21.6	201
41	Tachykinin-expressing neurons control male-specific aggressive arousal in Drosophila. <i>Cell</i> , 2014 , 156, 221-35	56.2	193
40	Automated measurement of mouse social behaviors using depth sensing, video tracking, and machine learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E5351-60	11.5	171
39	Control of stress-induced persistent anxiety by an extra-amygdala septohypothalamic circuit. <i>Cell</i> , 2014 , 156, 522-36	56.2	147
38	Computational Neuroethology: A Call to Action. <i>Neuron</i> , 2019 , 104, 11-24	13.9	134
37	Circuit modules linking internal states and social behaviour in flies and mice. <i>Nature Reviews Neuroscience</i> , 2016 , 17, 692-704	13.5	128
36	P1 interneurons promote a persistent internal state that enhances inter-male aggression in Drosophila. <i>ELife</i> , 2015 , 4,	8.9	123

35	The BRAIN Initiative: developing technology to catalyse neuroscience discovery. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	119
34	The Neuropeptide Tac2 Controls a Distributed Brain State Induced by Chronic Social Isolation Stress. <i>Cell</i> , 2018 , 173, 1265-1279.e19	56.2	110
33	Social behaviour shapes hypothalamic neural ensemble representations of conspecific sex. <i>Nature</i> , 2017 , 550, 388-392	50.4	103
32	Independent, reciprocal neuromodulatory control of sweet and bitter taste sensitivity during starvation in <i>Drosophila</i> . <i>Neuron</i> , 2014 , 84, 806-20	13.9	99
31	Immortalization and controlled in vitro differentiation of murine multipotent neural crest stem cells. <i>Journal of Neurobiology</i> , 1997 , 32, 722-46		95
30	Optogenetics, sex, and violence in the brain: implications for psychiatry. <i>Biological Psychiatry</i> , 2012 , 71, 1081-9	7.9	93
29	Neural correlates of competing fear behaviors evoked by an innately aversive stimulus. <i>Journal of Neuroscience</i> , 2003 , 23, 3855-68	6.6	93
28	Multimodal Analysis of Cell Types in a Hypothalamic Node Controlling Social Behavior. <i>Cell</i> , 2019 , 179, 713-728.e17	56.2	84
27	Behavioral responses to a repetitive visual threat stimulus express a persistent state of defensive arousal in <i>Drosophila</i> . <i>Current Biology</i> , 2015 , 25, 1401-15	6.3	65
26	Connectional architecture of a mouse hypothalamic circuit node controlling social behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7503-7512	11.5	57
25	Cell fate determination in the peripheral nervous system: the sympathoadrenal progenitor. <i>Journal of Neurobiology</i> , 1993 , 24, 185-98		57
24	A Circuit Node that Integrates Convergent Input from Neuromodulatory and Social Behavior-Promoting Neurons to Control Aggression in <i>Drosophila</i> . <i>Neuron</i> , 2017 , 95, 1112-1128.e7	13.9	50
23	Temporally compartmentalized expression of ephrin-B2 during renal glomerular development. <i>Journal of the American Society of Nephrology: JASN</i> , 2001 , 12, 2673-2682	12.7	50
22	RPTP delta and the novel protein tyrosine phosphatase RPTP psi are expressed in restricted regions of the developing central nervous system. <i>Developmental Dynamics</i> , 1997 , 208, 48-61	2.9	49
21	Stem cells and transcription factors in the development of the mammalian neural crest. <i>FASEB Journal</i> , 1994 , 8, 707-13	0.9	46
20	Internal States and Behavioral Decision-Making: Toward an Integration of Emotion and Cognition. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2014 , 79, 199-210	3.9	40
19	How food controls aggression in <i>Drosophila</i> . <i>PLoS ONE</i> , 2014 , 9, e105626	3.7	36
18	Neurons that Function within an Integrator to Promote a Persistent Behavioral State in <i>Drosophila</i> . <i>Neuron</i> , 2020 , 105, 322-333.e5	13.9	31

17	Distinct hypothalamic control of same- and opposite-sex mounting behaviour in mice. <i>Nature</i> , 2021 , 589, 258-263	50.4	29
16	A Brain Module for Scalable Control of Complex, Multi-motor Threat Displays. <i>Neuron</i> , 2018 , 100, 1474-1490.e4	13.9	24
15	Stimulus-specific hypothalamic encoding of a persistent defensive state. <i>Nature</i> , 2020 , 586, 730-734	50.4	17
14	Imaging neuropeptide release at synapses with a genetically engineered reporter. <i>ELife</i> , 2019 , 8,	8.9	16
13	The Mouse Action Recognition System (MARS): a software pipeline for automated analysis of social behaviors in mice		12
12	Experience-dependent plasticity in an innate social behavior is mediated by hypothalamic LTP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25789-25799	11.5	12
11	The Mouse Action Recognition System (MARS) software pipeline for automated analysis of social behaviors in mice. <i>ELife</i> , 2021 , 10,	8.9	10
10	Identification of a cell type-specific silencer in the first exon of the His-1 gene. <i>Journal of Cellular Biochemistry</i> , 2000 , 76, 615-624	4.7	8
9	A circuit logic for sexually shared and dimorphic aggressive behaviors in Drosophila. <i>Cell</i> , 2021 , 184, 507-520.e16	52.0	16
8	Neuropeptidergic Control of an Internal Brain State Produced by Prolonged Social Isolation Stress. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2018 , 83, 97-103	3.9	7
7	Whole-animal multiplexed single-cell RNA-seq reveals transcriptional shifts across medusa cell types. <i>Science Advances</i> , 2021 , 7, eabh1683	14.3	6
6	Author response: Ventromedial hypothalamic neurons control a defensive emotion state 2015 ,		6
5	Make war not love: The neural substrate underlying a state-dependent switch in female social behavior.. <i>Neuron</i> , 2021 ,	13.9	5
4	Whole Animal Multiplexed Single-Cell RNA-Seq Reveals Plasticity of Clytia Medusa Cell Types		5
3	Author response: P1 interneurons promote a persistent internal state that enhances inter-male aggression in Drosophila 2015 ,		3
2	A genetically tractable jellyfish model for systems and evolutionary neuroscience. <i>Cell</i> , 2021 , 184, 5854-5868.e20	58.6	20
1	Functional modules within a distributed neural network control feeding in a model medusa		2