

# Joseph D Dougherty

## List of Publications by Citations

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108  
papers

3,944  
citations

30  
h-index

61  
g-index

129  
ext. papers

4,980  
ext. citations

10.4  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
108	Application of a translational profiling approach for the comparative analysis of CNS cell types. <i>Cell</i> , <b>2008</b> , 135, 749-62	56.2	663
107	PTEN negatively regulates neural stem cell self-renewal by modulating G0-G1 cell cycle entry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 111-6	11.5	258
106	A genetic analysis of neural progenitor differentiation. <i>Neuron</i> , <b>2001</b> , 29, 325-39	13.9	226
105	Homologues of the <i>Caenorhabditis elegans</i> Fox-1 protein are neuronal splicing regulators in mammals. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 10005-16	4.8	219
104	Analytical approaches to RNA profiling data for the identification of genes enriched in specific cells. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 4218-30	20.1	188
103	Cell type-specific expression analysis to identify putative cellular mechanisms for neurogenetic disorders. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 1420-31	6.6	174
102	Neurodevelopmental disease genes implicated by de novo mutation and copy number variation morbidity. <i>Nature Genetics</i> , <b>2019</b> , 51, 106-116	36.3	135
101	Maternal embryonic leucine zipper kinase (MELK) regulates multipotent neural progenitor proliferation. <i>Journal of Cell Biology</i> , <b>2005</b> , 170, 413-27	7.3	122
100	Astrocytes locally translate transcripts in their peripheral processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E3830-E3838	11.5	97
99	Regulated temporal-spatial astrocyte precursor cell proliferation involves BRAF signalling in mammalian spinal cord. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 2477-87	6.6	90
98	The disruption of Celf6, a gene identified by translational profiling of serotonergic neurons, results in autism-related behaviors. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 2732-53	6.6	77
97	MicroRNAs Induce a Permissive Chromatin Environment that Enables Neuronal Subtype-Specific Reprogramming of Adult Human Fibroblasts. <i>Cell Stem Cell</i> , <b>2017</b> , 21, 332-348.e9	18	76
96	PBK/TOPK, a proliferating neural progenitor-specific mitogen-activated protein kinase kinase. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 10773-85	6.6	76
95	Reexposure to nicotine during withdrawal increases the pacemaking activity of cholinergic habenular neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 17077-82	11.5	74
94	Pcdh $\beta$ 2 is required for axonal tiling and assembly of serotonergic circuitries in mice. <i>Science</i> , <b>2017</b> , 356, 406-411	33.3	73
93	Translational profiling of hypocretin neurons identifies candidate molecules for sleep regulation. <i>Genes and Development</i> , <b>2013</b> , 27, 565-78	12.6	73
92	Recruited cells can become transformed and overtake PDGF-induced murine gliomas in vivo during tumor progression. <i>PLoS ONE</i> , <b>2011</b> , 6, e20605	3.7	66

91	Neural progenitor genes. Germinal zone expression and analysis of genetic overlap in stem cell populations. <i>Developmental Biology</i> , <b>2003</b> , 264, 309-22	3.1	55
90	FoxP1 orchestration of ASD-relevant signaling pathways in the striatum. <i>Genes and Development</i> , <b>2015</b> , 29, 2081-96	12.6	53
89	Candidate pathways for promoting differentiation or quiescence of oligodendrocyte progenitor-like cells in glioma. <i>Cancer Research</i> , <b>2012</b> , 72, 4856-68	10.1	49
88	MicroRNA Profiling Reveals Marker of Motor Neuron Disease in ALS Models. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 5574-5586	6.6	45
87	Aldh1L1 is expressed by postnatal neural stem cells in vivo. <i>Glia</i> , <b>2013</b> , 61, 1533-41	9	45
86	Muscularis macrophage development in the absence of an enteric nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 4696-4701	11.5	41
85	A Paranigral VTA Nociceptin Circuit that Constrains Motivation for Reward. <i>Cell</i> , <b>2019</b> , 178, 653-671.e19	56.2	37
84	Transcriptomic Analysis of Ribosome-Bound mRNA in Cortical Neurites. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 8688-8705	6.6	36
83	A genome-integrated massively parallel reporter assay reveals DNA sequence determinants of cis-regulatory activity in neural cells. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, e16	20.1	36
82	A Comprehensive Analysis of Cell Type-Specific Nuclear RNA From Neurons and Glia of the Brain. <i>Biological Psychiatry</i> , <b>2017</b> , 81, 252-264	7.9	34
81	The female protective effect in autism spectrum disorder is not mediated by a single genetic locus. <i>Molecular Autism</i> , <b>2015</b> , 6, 25	6.5	34
80	Motor neuron-derived microRNAs cause astrocyte dysfunction in amyotrophic lateral sclerosis. <i>Brain</i> , <b>2018</b> , 141, 2561-2575	11.2	33
79	Molecular and Functional Sex Differences of Noradrenergic Neurons in the Mouse Locus Coeruleus. <i>Cell Reports</i> , <b>2018</b> , 23, 2225-2235	10.6	31
78	Development of translating ribosome affinity purification for zebrafish. <i>Genesis</i> , <b>2013</b> , 51, 187-92	1.9	29
77	Cell-Type-Specific Profiling of Alternative Translation Identifies Regulated Protein Isoform Variation in the Mouse Brain. <i>Cell Reports</i> , <b>2019</b> , 26, 594-607.e7	10.6	29
76	Phosphoserine phosphatase is expressed in the neural stem cell niche and regulates neural stem and progenitor cell proliferation. <i>Stem Cells</i> , <b>2007</b> , 25, 1975-84	5.8	28
75	Developmental expression of glial fibrillary acidic protein mRNA in mouse forebrain germinal zones--implications for stem cell biology. <i>Developmental Brain Research</i> , <b>2004</b> , 153, 121-5		28
74	Genetic variants associated with Alzheimer's disease confer different cerebral cortex cell-type population structure. <i>Genome Medicine</i> , <b>2018</b> , 10, 43	14.4	26

73	The anatomical distribution of genetic associations. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 10804-20	20.1	26
72	Sumoylation of FOXP2 Regulates Motor Function and Vocal Communication Through Purkinje Cell Development. <i>Biological Psychiatry</i> , <b>2017</b> , 81, 220-230	7.9	25
71	Human iPSC-Derived Neurons and Cerebral Organoids Establish Differential Effects of Germline NF1 Gene Mutations. <i>Stem Cell Reports</i> , <b>2020</b> , 14, 541-550	8	21
70	Characterization of early communicative behavior in mouse models of neurofibromatosis type 1. <i>Autism Research</i> , <b>2018</b> , 11, 44-58	5.1	21
69	Self-Reporting Transposons Enable Simultaneous Readout of Gene Expression and Transcription Factor Binding in Single Cells. <i>Cell</i> , <b>2020</b> , 182, 992-1008.e21	56.2	21
68	Analysis of within Subjects Variability in Mouse Ultrasonic Vocalization: Pups Exhibit Inconsistent, State-Like Patterns of Call Production. <i>Frontiers in Behavioral Neuroscience</i> , <b>2016</b> , 10, 182	3.5	21
67	The TMEM106B FTLN-protective variant, rs1990621, is also associated with increased neuronal proportion. <i>Acta Neuropathologica</i> , <b>2020</b> , 139, 45-61	14.3	21
66	Testing the role of preBötzing Complex somatostatin neurons in respiratory and vocal behaviors. <i>European Journal of Neuroscience</i> , <b>2014</b> , 40, 3067-77	3.5	20
65	The Expanding Toolkit of Translating Ribosome Affinity Purification. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 12079-12087	6.6	19
64	Progress in realizing the promise of microarrays in systems neurobiology. <i>Neuron</i> , <b>2005</b> , 45, 183-5	13.9	19
63	Altered social behavior in mice carrying a cortical Foxp2 deletion. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 701-717	5.6	19
62	Subtraction-coupled custom microarray analysis for gene discovery and gene expression studies in the CNS. <i>Chemical Senses</i> , <b>2002</b> , 27, 293-8	4.8	18
61	High-throughput single-cell functional elucidation of neurodevelopmental disease-associated genes reveals convergent mechanisms altering neuronal differentiation. <i>Genome Research</i> , <b>2020</b> , 30, 1317-1331	9.7	18
60	Examining the Reversibility of Long-Term Behavioral Disruptions in Progeny of Maternal SSRI Exposure. <i>ENeuro</i> , <b>2018</b> , 5,	3.9	17
59	Lithium protects against glucocorticoid induced neural progenitor cell apoptosis in the developing cerebellum. <i>Brain Research</i> , <b>2014</b> , 1545, 54-63	3.7	16
58	Identifying essential cell types and circuits in autism spectrum disorders. <i>International Review of Neurobiology</i> , <b>2013</b> , 113, 61-96	4.4	16
57	Erroneous inference based on a lack of preference within one group: Autism, mice, and the social approach task. <i>Autism Research</i> , <b>2019</b> , 12, 1171-1183	5.1	15
56	Moving from capstones toward cornerstones: successes and challenges in applying systems biology to identify mechanisms of autism spectrum disorders. <i>Frontiers in Genetics</i> , <b>2015</b> , 6, 301	4.5	12

55	Massively Parallel Reporter Assays: Defining Functional Psychiatric Genetic Variants Across Biological Contexts. <i>Biological Psychiatry</i> , <b>2021</b> , 89, 76-89	7.9	12
54	Extended amygdala-parabrachial circuits alter threat assessment and regulate feeding. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	12
53	Gtf2i and Gtf2ird1 mutation do not account for the full phenotypic effect of the Williams syndrome critical region in mouse models. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 3443-3465	5.6	11
52	Group and Individual Variability in Mouse Pup Isolation Calls Recorded on the Same Day Show Stability. <i>Frontiers in Behavioral Neuroscience</i> , <b>2017</b> , 11, 243	3.5	11
51	Cell Type Specific Analysis of Human Brain Transcriptome Data to Predict Alterations in Cellular Composition. <i>Systems Biomedicine (Austin, Tex.)</i> , <b>2013</b> , 1, 151-160		11
50	Characterization of a Mouse Model of Bñeson-Forsman-Lehmann Syndrome. <i>Cell Reports</i> , <b>2018</b> , 25, 1404-1414.e6	10.6	11
49	The trajectory of gait development in mice. <i>Brain and Behavior</i> , <b>2020</b> , 10, e01636	3.4	10
48	CNS microRNA profiles: a database for cell type enriched microRNA expression across the mouse central nervous system. <i>Scientific Reports</i> , <b>2020</b> , 10, 4921	4.9	10
47	Mouse transgenesis in a single locus with independent regulation for multiple fluorophores. <i>PLoS ONE</i> , <b>2012</b> , 7, e40511	3.7	10
46	DNMT3A Haploinsufficiency Results in Behavioral Deficits and Global Epigenomic Dysregulation Shared across Neurodevelopmental Disorders. <i>Cell Reports</i> , <b>2020</b> , 33, 108416	10.6	10
45	The RNA-binding protein Celf6 is highly expressed in diencephalic nuclei and neuromodulatory cell populations of the mouse brain. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 1809-31	4	9
44	Exome sequencing of 85 Williams-Beuren syndrome cases rules out coding variation as a major contributor to remaining variance in social behavior. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2018</b> , 6, 749-765	2.3	9
43	Chitinase-3-like 1 protein (CHI3L1) locus influences cerebrospinal fluid levels of YKL-40. <i>BMC Neurology</i> , <b>2016</b> , 16, 217	3.1	9
42	Quantitative Nucleotide Level Analysis of Regulation of Translation in Response to Depolarization of Cultured Neural Cells. <i>Frontiers in Molecular Neuroscience</i> , <b>2017</b> , 10, 9	6.1	7
41	A viral toolkit for recording transcription factor-DNA interactions in live mouse tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 10003-10014	11.5	7
40	Loss of CELF6 RNA binding protein impairs cocaine conditioned place preference and contextual fear conditioning. <i>Genes, Brain and Behavior</i> , <b>2019</b> , 18, e12593	3.6	6
39	The Differences in Local Translatome across Distinct Neuron Types Is Mediated by Both Baseline Cellular Differences and Post-transcriptional Mechanisms. <i>ENeuro</i> , <b>2018</b> , 5,	3.9	6
38	CLIP and Massively Parallel Functional Analysis of CELF6 Reveal a Role in Destabilizing Synaptic Gene mRNAs through Interaction with 3' UTR Elements. <i>Cell Reports</i> , <b>2020</b> , 33, 108531	10.6	6

37	Systems biology in the central nervous system: a brief perspective on essential recent advancements. <i>Current Opinion in Systems Biology</i> , <b>2017</b> , 3, 67-76	3.2	5
36	Different Mixed Astrocyte Populations Derived from Embryonic Stem Cells Have Variable Neuronal Growth Support Capacities. <i>Stem Cells and Development</i> , <b>2017</b> , 26, 1597-1611	4.4	5
35	Investigation of maternal genotype effects in autism by genome-wide association. <i>Autism Research</i> , <b>2014</b> , 7, 245-53	5.1	5
34	A MYT1L syndrome mouse model recapitulates patient phenotypes and reveals altered brain development due to disrupted neuronal maturation. <i>Neuron</i> , <b>2021</b> , 109, 3775-3792.e14	13.9	5
33	Functions of Gtf2i and Gtf2ird1 in the developing brain: transcription, DNA binding and long-term behavioral consequences. <i>Human Molecular Genetics</i> , <b>2020</b> , 29, 1498-1519	5.6	5
32	Generation and characterization of a mouse line for monitoring translation in dopaminergic neurons. <i>Scientific Reports</i> , <b>2017</b> , 7, 8117	4.9	4
31	Loss of Quaking RNA binding protein disrupts the expression of genes associated with astrocyte maturation in mouse brain. <i>Nature Communications</i> , <b>2021</b> , 12, 1537	17.4	4
30	Extended amygdala-parabrachial circuits alter threat assessment to regulate feeding		3
29	CLIP-Seq and massively parallel functional analysis of the CELF6 RNA binding protein reveals a role in destabilizing synaptic gene mRNAs through interaction with 3'UTR elements in vivo		3
28	DeepH&M: Estimating single-CpG hydroxymethylation and methylation levels from enrichment and restriction enzyme sequencing methods. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	2
27	An inducible Cre mouse line to sparsely target nervous system cells, including Remak Schwann cells. <i>Neural Development</i> , <b>2020</b> , 15, 2	3.9	2
26	Weaving New Insights for the Genetic Regulation of Human Cognitive Phenotypes. <i>Cell</i> , <b>2018</b> , 172, 10-13	36.2	2
25	Dexmedetomidine protects against glucocorticoid induced progenitor cell apoptosis in neonatal mouse cerebellum. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2017</b> , 30, 2156-2162	2	2
24	Application of a Translational Profiling Approach for the Comparative Analysis of CNS Cell Types. <i>Cell</i> , <b>2009</b> , 139, 1022	56.2	2
23	The Oft-Overlooked Massively Parallel Reporter Assay: Where, When, and Which Psychiatric Genetic Variants are Functional?		2
22	Erroneous inference based on a lack of preference within one group: autism, mice, and the Social Approach Task		2
21	Self-reporting transposons enable simultaneous readout of gene expression and transcription factor binding in single cells		2
20	Regulated temporal-spatial astrocyte precursor cell proliferation involves BRAF signalling in mammalian spinal cord.. <i>Journal of Cell Science</i> , <b>2012</b> , 125, e1-e1	5.3	2

19	Sex Differences in the Role of CNH3 on Spatial Memory and Synaptic Plasticity. <i>Biological Psychiatry</i> , <b>2021</b> , 90, 766-780	7.9	2
18	The TMEM106B rs1990621 protective variant is also associated with increased neuronal proportion		1
17	The trajectory of gait development in mice		1
16	Maternal Fluoxetine Exposure Alters Cortical Hemodynamic and Calcium Response of Offspring to Somatosensory Stimuli. <i>ENeuro</i> , <b>2019</b> , 6,	3.9	1
15	CRISPR-TRAPSeq identifies the QKI RNA binding protein as important for astrocytic maturation and control of thalamocortical synapses		1
14	Ontogenetic Oxycodone Exposure Affects Early-Life Communicative Behaviors, Sensorimotor Reflexes, and Weight Trajectory in Mice		1
13	Shared developmental gait disruptions across two mouse models of neurodevelopmental disorders		1
12	Gtf2i and Gtf2ird1 mutation are not sufficient to reproduce mouse phenotypes caused by the Williams Syndrome critical region		1
11	An inducible Cre mouse line to sparsely target nervous system cells, including Remak Schwann cells		1
10	High-throughput single-cell functional elucidation of neurodevelopmental disease-associated genes reveals convergent mechanisms altering neuronal differentiation		1
9	Shared developmental gait disruptions across two mouse models of neurodevelopmental disorders. <i>Journal of Neurodevelopmental Disorders</i> , <b>2021</b> , 13, 10	4.6	1
8	A Cre-dependent massively parallel reporter assay allows for cell-type specific assessment of the functional effects of genetic variants in vivo		1
7	Oxytocin receptor activation does not mediate associative fear deficits in a Williams Syndrome model. <i>Genes, Brain and Behavior</i> , <b>2021</b> , e12750	3.6	1
6	Transcriptional-regulatory convergence across functional MDD risk variants identified by massively parallel reporter assays. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 403	8.6	1
5	Ontogenetic Oxycodone Exposure Affects Early Life Communicative Behaviors, Sensorimotor Reflexes, and Weight Trajectory in Mice. <i>Frontiers in Behavioral Neuroscience</i> , <b>2021</b> , 15, 615798	3.5	1
4	Functional Connectivity of the Developing Mouse Cortex. <i>Cerebral Cortex</i> , <b>2021</b> ,	5.1	1
3	Microglia perform local protein synthesis at perisynaptic and phagocytic structures		1
2	A Proposed Role for Interactions between Argonautes, miRISC, and RNA Binding Proteins in the Regulation of Local Translation in Neurons and Glia.. <i>Journal of Neuroscience</i> , <b>2022</b> , 42, 3291-3301	6.6	0

1 Fluoxetine exposure throughout neurodevelopment differentially influences basilar dendritic morphology in the motor and prefrontal cortices.. *Scientific Reports*, **2022**, 12, 7605

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