

Joseph D Dougherty

List of Publications by Year in descending order

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95
papers

5,692
citations

109137

35
h-index

95083

68
g-index

129
all docs

129
docs citations

129
times ranked

10493
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of a Translational Profiling Approach for the Comparative Analysis of CNS Cell Types. <i>Cell</i> , 2008, 135, 749-762.	13.5	807
2	Analytical approaches to RNA profiling data for the identification of genes enriched in specific cells. <i>Nucleic Acids Research</i> , 2010, 38, 4218-4230.	6.5	294
3	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> , 2006, 103, 111-116.	3.3	281
4	Homologues of the <i>Caenorhabditis elegans</i> Fox-1 Protein Are Neuronal Splicing Regulators in Mammals. <i>Molecular and Cellular Biology</i> , 2005, 25, 10005-10016.	1.1	268
5	Cell Type-Specific Expression Analysis to Identify Putative Cellular Mechanisms for Neurogenetic Disorders. <i>Journal of Neuroscience</i> , 2014, 34, 1420-1431.	1.7	261
6	A Genetic Analysis of Neural Progenitor Differentiation. <i>Neuron</i> , 2001, 29, 325-339.	3.8	243
7	Neurodevelopmental disease genes implicated by de novo mutation and copy number variation morbidity. <i>Nature Genetics</i> , 2019, 51, 106-116.	9.4	231
8	Astrocytes locally translate transcripts in their peripheral processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3830-E3838.	3.3	151
9	Maternal embryonic leucine zipper kinase (MELK) regulates multipotent neural progenitor proliferation. <i>Journal of Cell Biology</i> , 2005, 170, 413-427.	2.3	136
10	<i>Pcdh1c2</i> is required for axonal tiling and assembly of serotonergic circuitries in mice. <i>Science</i> , 2017, 356, 406-411.	6.0	121
11	Regulated temporal-spatial astrocyte precursor cell proliferation involves BRAF signalling in mammalian spinal cord. <i>Development (Cambridge)</i> , 2012, 139, 2477-2487.	1.2	112
12	MicroRNAs Induce a Permissive Chromatin Environment that Enables Neuronal Subtype-Specific Reprogramming of Adult Human Fibroblasts. <i>Cell Stem Cell</i> , 2017, 21, 332-348.e9.	5.2	112
13	FoxP1 orchestration of ASD-relevant signaling pathways in the striatum. <i>Genes and Development</i> , 2015, 29, 2081-2096.	2.7	91
14	PBK/TOPK, a Proliferating Neural Progenitor-Specific Mitogen-Activated Protein Kinase Kinase. <i>Journal of Neuroscience</i> , 2005, 25, 10773-10785.	1.7	90
15	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> , 2013, 110, 17077-17082.	3.3	89
16	The Disruption of <i>Celf6</i> , a Gene Identified by Translational Profiling of Serotonergic Neurons, Results in Autism-Related Behaviors. <i>Journal of Neuroscience</i> , 2013, 33, 2732-2753.	1.7	88
17	Translational profiling of hypocretin neurons identifies candidate molecules for sleep regulation. <i>Genes and Development</i> , 2013, 27, 565-578.	2.7	87
18	A Paranigral VTA Nociceptin Circuit that Constrains Motivation for Reward. <i>Cell</i> , 2019, 178, 653-671.e19.	13.5	76

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19	Molecular and Functional Sex Differences of Noradrenergic Neurons in the Mouse Locus Coeruleus. <i>Cell Reports</i> , 2018, 23, 2225-2235.	2.9	74
20	Recruited Cells Can Become Transformed and Overtake PDGF-Induced Murine Gliomas In Vivo during Tumor Progression. <i>PLoS ONE</i> , 2011, 6, e20605.	1.1	72
21	Candidate Pathways for Promoting Differentiation or Quiescence of Oligodendrocyte Progenitor-like Cells in Glioma. <i>Cancer Research</i> , 2012, 72, 4856-4868.	0.4	68
22	MicroRNA Profiling Reveals Marker of Motor Neuron Disease in ALS Models. <i>Journal of Neuroscience</i> , 2017, 37, 5574-5586.	1.7	66
23	Weaving New Insights for the Genetic Regulation of Human Cognitive Phenotypes. <i>Cell</i> , 2018, 172, 10-13.	13.5	63
24	Neural progenitor genes. <i>Developmental Biology</i> , 2003, 264, 309-322.	0.9	62
25	Genetic variants associated with Alzheimer's disease confer different cerebral cortex cell-type population structure. <i>Genome Medicine</i> , 2018, 10, 43.	3.6	62
26	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> , 2018, 115, 4696-4701.	3.3	61
27	Cell-Type-Specific Profiling of Alternative Translation Identifies Regulated Protein Isoform Variation in the Mouse Brain. <i>Cell Reports</i> , 2019, 26, 594-607.e7.	2.9	61
28	Aldh1L1 is expressed by postnatal neural stem cells <i>in vivo</i> . <i>Glia</i> , 2013, 61, 1533-1541.	2.5	58
29	Self-Reporting Transposons Enable Simultaneous Readout of Gene Expression and Transcription Factor Binding in Single Cells. <i>Cell</i> , 2020, 182, 992-1008.e21.	13.5	54
30	The TMEM106B FTL-protective variant, rs1990621, is also associated with increased neuronal proportion. <i>Acta Neuropathologica</i> , 2020, 139, 45-61.	3.9	51
31	The female protective effect in autism spectrum disorder is not mediated by a single genetic locus. <i>Molecular Autism</i> , 2015, 6, 25.	2.6	50
32	Motor neuron-derived microRNAs cause astrocyte dysfunction in amyotrophic lateral sclerosis. <i>Brain</i> , 2018, 141, 2561-2575.	3.7	50
33	High-throughput single-cell functional elucidation of neurodevelopmental disease-associated genes reveals convergent mechanisms altering neuronal differentiation. <i>Genome Research</i> , 2020, 30, 1317-1331.	2.4	50
34	Transcriptomic Analysis of Ribosome-Bound mRNA in Cortical Neurites <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2017, 37, 8688-8705.	1.7	49
35	A genome-integrated massively parallel reporter assay reveals DNA sequence determinants of cis-regulatory activity in neural cells. <i>Nucleic Acids Research</i> , 2017, 45, gkw942.	6.5	48
36	Human iPSC-Derived Neurons and Cerebral Organoids Establish Differential Effects of Germline NF1 Gene Mutations. <i>Stem Cell Reports</i> , 2020, 14, 541-550.	2.3	48

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37	A Comprehensive Analysis of Cell Type-Specific Nuclear RNA From Neurons and Glia of the Brain. <i>Biological Psychiatry</i> , 2017, 81, 252-264.	0.7	47
38	Sumoylation of FOXP2 Regulates Motor Function and Vocal Communication Through Purkinje Cell Development. <i>Biological Psychiatry</i> , 2017, 81, 220-230.	0.7	43
39	Development of translating ribosome affinity purification for zebrafish. <i>Genesis</i> , 2013, 51, 187-192.	0.8	41
40	The anatomical distribution of genetic associations. <i>Nucleic Acids Research</i> , 2015, 43, 10804-10820.	6.5	37
41	DNMT3A Haploinsufficiency Results in Behavioral Deficits and Global Epigenomic Dysregulation Shared across Neurodevelopmental Disorders. <i>Cell Reports</i> , 2020, 33, 108416.	2.9	37
42	Extended amygdala-parabrachial circuits alter threat assessment and regulate feeding. <i>Science Advances</i> , 2021, 7, .	4.7	36
43	Massively Parallel Reporter Assays: Defining Functional Psychiatric Genetic Variants Across Biological Contexts. <i>Biological Psychiatry</i> , 2021, 89, 76-89.	0.7	34
44	A MYT1L syndrome mouse model recapitulates patient phenotypes and reveals altered brain development due to disrupted neuronal maturation. <i>Neuron</i> , 2021, 109, 3775-3792.e14.	3.8	34
45	Characterization of early communicative behavior in mouse models of neurofibromatosis type 1. <i>Autism Research</i> , 2018, 11, 44-58.	2.1	32
46	Developmental expression of glial fibrillary acidic protein mRNA in mouse forebrain germinal zones—implications for stem cell biology. <i>Developmental Brain Research</i> , 2004, 153, 121-125.	2.1	31
47	Phosphoserine Phosphatase Is Expressed in the Neural Stem Cell Niche and Regulates Neural Stem and Progenitor Cell Proliferation. <i>Stem Cells</i> , 2007, 25, 1975-1984.	1.4	31
48	Analysis of within Subjects Variability in Mouse Ultrasonic Vocalization: Pups Exhibit Inconsistent, State-Like Patterns of Call Production. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 182.	1.0	31
49	Altered social behavior in mice carrying a cortical <i>Foxp2</i> deletion. <i>Human Molecular Genetics</i> , 2019, 28, 701-717.	1.4	31
50	The Expanding Toolkit of Translating Ribosome Affinity Purification. <i>Journal of Neuroscience</i> , 2017, 37, 12079-12087.	1.7	28
51	Examining the Reversibility of Long-Term Behavioral Disruptions in Progeny of Maternal SSRI Exposure. <i>ENeuro</i> , 2018, 5, ENEURO.0120-18.2018.	0.9	26
52	Testing the role of preBötzing Complex somatostatin neurons in respiratory and vocal behaviors. <i>European Journal of Neuroscience</i> , 2014, 40, 3067-3077.	1.2	25
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> , 2019, 28, 3443-3465.	1.4	23
54	The trajectory of gait development in mice. <i>Brain and Behavior</i> , 2020, 10, e01636.	1.0	23

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55	CNS microRNA profiles: a database for cell type enriched microRNA expression across the mouse central nervous system. <i>Scientific Reports</i> , 2020, 10, 4921.	1.6	23
56	Lithium protects against glucocorticoid induced neural progenitor cell apoptosis in the developing cerebellum. <i>Brain Research</i> , 2014, 1545, 54-63.	1.1	22
57	Group and Individual Variability in Mouse Pup Isolation Calls Recorded on the Same Day Show Stability. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 243.	1.0	22
58	Erroneous inference based on a lack of preference within one group: Autism, mice, and the social approach task. <i>Autism Research</i> , 2019, 12, 1171-1183.	2.1	22
59	Subtraction-coupled Custom Microarray Analysis for Gene Discovery and Gene Expression Studies in the CNS. <i>Chemical Senses</i> , 2002, 27, 293-298.	1.1	21
60	Progress in Realizing the Promise of Microarrays in Systems Neurobiology. <i>Neuron</i> , 2005, 45, 183-185.	3.8	21
61	Cell type-specific analysis of human brain transcriptome data to predict alterations in cellular composition. <i>Systems Biomedicine (Austin, Tex)</i> , 2013, 1, 151-160.	0.7	19
62	Characterization of a Mouse Model of BÃ¶rjeson-Forsman-Lehmann Syndrome. <i>Cell Reports</i> , 2018, 25, 1404-1414.e6.	2.9	19
63	Loss of Quaking RNA binding protein disrupts the expression of genes associated with astrocyte maturation in mouse brain. <i>Nature Communications</i> , 2021, 12, 1537.	5.8	19
64	Functions of <i>Gtf2i</i> and <i>Gtf2ird1</i> in the developing brain: transcription, DNA binding and long-term behavioral consequences. <i>Human Molecular Genetics</i> , 2020, 29, 1498-1519.	1.4	18
65	Identifying Essential Cell Types and Circuits in Autism Spectrum Disorders. <i>International Review of Neurobiology</i> , 2013, 113, 61-96.	0.9	17
66	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> , 2020, 117, 10003-10014.	3.3	17
67	Loss of CELF6 RNA binding protein impairs cocaine conditioned place preference and contextual fear conditioning. <i>Genes, Brain and Behavior</i> , 2019, 18, e12593.	1.1	15
68	The Differences in Local Translatome across Distinct Neuron Types Is Mediated by Both Baseline Cellular Differences and Post-transcriptional Mechanisms. <i>ENeuro</i> , 2018, 5, ENEURO.0320-18.2018.	0.9	15
69	Moving from capstones toward cornerstones: successes and challenges in applying systems biology to identify mechanisms of autism spectrum disorders. <i>Frontiers in Genetics</i> , 2015, 6, 301.	1.1	14
70	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> , 2020, 33, 108531.	2.9	14
71	Chitinase-3-like 1 protein (CHI3L1) locus influences cerebrospinal fluid levels of YKL-40. <i>BMC Neurology</i> , 2016, 16, 217.	0.8	12
72	Quantitative Nucleotide Level Analysis of Regulation of Translation in Response to Depolarization of Cultured Neural Cells. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 9.	1.4	12

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73	Mouse Transgenesis in a Single Locus with Independent Regulation for Multiple Fluorophores. PLoS ONE, 2012, 7, e40511.	1.1	12
74	Different Mixed Astrocyte Populations Derived from Embryonic Stem Cells Have Variable Neuronal Growth Support Capacities. Stem Cells and Development, 2017, 26, 1597-1611.	1.1	11
75	Transcriptional-regulatory convergence across functional MDD risk variants identified by massively parallel reporter assays. Translational Psychiatry, 2021, 11, 403.	2.4	11
76	Ontogenetic Oxycodone Exposure Affects Early Life Communicative Behaviors, Sensorimotor Reflexes, and Weight Trajectory in Mice. Frontiers in Behavioral Neuroscience, 2021, 15, 615798.	1.0	10
77	Sex Differences in the Role of CNH3 on Spatial Memory and Synaptic Plasticity. Biological Psychiatry, 2021, 90, 766-780.	0.7	10
78	The RNA-binding protein Celf6 is highly expressed in diencephalic nuclei and neuromodulatory cell populations of the mouse brain. Brain Structure and Function, 2016, 221, 1809-1831.	1.2	9
79	Exome sequencing of 85 Williams-Beuren syndrome cases rules out coding variation as a major contributor to remaining variance in social behavior. Molecular Genetics & Genomic Medicine, 2018, 6, 749-765.	0.6	9
80	Systems biology in the central nervous system: A brief perspective on essential recent advancements. Current Opinion in Systems Biology, 2017, 3, 67-76.	1.3	8
81	DeepH&M: Estimating single-CpG hydroxymethylation and methylation levels from enrichment and restriction enzyme sequencing methods. Science Advances, 2020, 6, .	4.7	8
82	Functional Connectivity of the Developing Mouse Cortex. Cerebral Cortex, 2022, 32, 1755-1768.	1.6	7
83	Investigation of Maternal Genotype Effects in Autism by Genome-Wide Association. Autism Research, 2014, 7, 245-253.	2.1	6
84	Oxytocin receptor activation does not mediate associative fear deficits in a Williams Syndrome model. Genes, Brain and Behavior, 2022, 21, e12750.	1.1	6
85	Application of a Translational Profiling Approach for the Comparative Analysis of CNS Cell Types. Cell, 2009, 139, 1022.	13.5	5
86	Generation and characterization of a mouse line for monitoring translation in dopaminergic neurons. Scientific Reports, 2017, 7, 8117.	1.6	5
87	Shared developmental gait disruptions across two mouse models of neurodevelopmental disorders. Journal of Neurodevelopmental Disorders, 2021, 13, 10.	1.5	5
88	Maternal Fluoxetine Exposure Alters Cortical Hemodynamic and Calcium Response of Offspring to Somatosensory Stimuli. ENeuro, 2019, 6, ENEURO.0238-19.2019.	0.9	5
89	A Proposed Role for Interactions between Argonautes, miRISC, and RNA Binding Proteins in the Regulation of Local Translation in Neurons and Glia. Journal of Neuroscience, 2022, 42, 3291-3301.	1.7	5
90	An inducible Cre mouse line to sparsely target nervous system cells, including Remak Schwann cells. Neural Development, 2020, 15, 2.	1.1	4

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91	Fluoxetine exposure throughout neurodevelopment differentially influences basilar dendritic morphology in the motor and prefrontal cortices. <i>Scientific Reports</i> , 2022, 12, 7605.	1.6	3
92	Dexmedetomidine protects against glucocorticoid induced progenitor cell apoptosis in neonatal mouse cerebellum. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2017, 30, 2156-2162.	0.7	2
93	utr.annotation: a tool for annotating genomic variants that could influence post-transcriptional regulation. <i>Bioinformatics</i> , 2021, 37, 3926-3928.	1.8	2
94	Regulated temporal-spatial astrocyte precursor cell proliferation involves BRAF signalling in mammalian spinal cord.. <i>Journal of Cell Science</i> , 2012, 125, e1-e1.	1.2	2
95	Optical Imaging of Functional Connectivity Across Development in the Mouse Cortex. , 2018, , .		0