Michelle E Ehrlich

List of Publications by Year
in descending order

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68 papers	4,589 citations	147801 31 h-index	118850 62 g-index
82 all docs	82 docs citations	82 times ranked	6264 citing authors

#	Article	IF	Citations
1	Transformative Network Modeling of Multi-omics Data Reveals Detailed Circuits, Key Regulators, and Potential Therapeutics for Alzheimerâ€™s Disease. Neuron, 2021, 109, 257-272.e14.	8.1	108
2	Reactive or transgenic increase in microglial TYROBP reveals a TREM2â€independent TYROBPâ€“APOE link in wildâ€type and Alzheimer'sâ€related mice. Alzheimer's and Dementia, 2021, 17, 149-163.	0.8	30
3	Striatal Dopamine Induced <scp>ERK</scp> Phosphorylation Is Altered in Mouse Models of Monogenic Dystonia. Movement Disorders, 2021, 36, 1147-1157.	3.9	7
4	Molecular subtyping of Alzheimerâ€™s disease using RNA sequencing data reveals novel mechanisms and targets. Science Advances, 2021, 7, .	10.3	137
5	Abnormal cerebellar function and tremor in a mouse model for nonâ€manifesting partially penetrant dystonia type 6. Journal of Physiology, 2021, 599, 2037-2054.	2.9	17
6	Alzheimer mutant speeds APP transport. Journal of Experimental Medicine, 2021, 218, .	8.5	2
7	Modulating FKBP5/FKBP51 and autophagy lowers HTT (huntingtin) levels. Autophagy, 2021, 17, 4119-4140.	9.1	27
8	Neuronal intranuclear inclusion disease: Polyglycine protein is the culprit. Neuron, 2021, 109, 1757-1760.	8.1	6
9	The dystonia gene THAP1 controls DNA double-strand break repair choice. Molecular Cell, 2021, 81, 2611-2624.e10.	9.7	16
10	Striatal Cholinergic Dysregulation after Neonatal Decrease in Xâ€Linked Dystonia Parkinsonismâ€Related TAF1 Isoforms. Movement Disorders, 2021, 36, 2780.	3.9	11
11	Dystonia-specific mutations in THAP1 alter transcription of genes associated with neurodevelopment and myelin. American Journal of Human Genetics, 2021, 108, 2145-2158.	6.2	13
12	Unbiased identification of novel transcription factors in striatal compartmentation and striosome maturation. ELife, 2021, 10, .	6.0	9
13	Transcriptomic Changes Highly Similar to Alzheimerâ€™s Disease Are Observed in a Subpopulation of Individuals During Normal Brain Aging. Frontiers in Aging Neuroscience, 2021, 13, 711524.	3.4	12
14	Neurobehavioral effects of neonatal opioid exposure in mice: Influence of the OPRM1 SNP. Addiction Biology, 2020, 25, e12806.	2.6	22
15	miR155 regulation of behavior, neuropathology, and cortical transcriptomics in Alzheimer's disease. Acta Neuropathologica, 2020, 140, 295-315.	7.7	23
16	Meta-Analysis of the Alzheimerâ€™s Disease Human Brain Transcriptome and Functional Dissection in Mouse Models. Cell Reports, 2020, 32, 107908.	6.4	199
17	Multiscale causal networks identify VGF as a key regulator of Alzheimerâ€™s disease. Nature Communications, 2020, 11, 3942.	12.8	94
18	Common schizophrenia risk variants are enriched in open chromatin regions of human glutamatergic neurons. Nature Communications, 2020, 11, 5581.	12.8	53

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19	VGF-derived peptide TLQP-21 modulates microglial function through C3aR1 signaling pathways and reduces neuropathology in 5xFAD mice. Molecular Neurodegeneration, 2020, 15, 4.	10.8	52
20	A Novel Transgenic Mouse Model to Investigate the Cell-Autonomous Effects of torsinA(Î”E) Expression in Striatal Output Neurons. Neuroscience, 2019, 422, 1-11.	2.3	1
21	Cell-Autonomous and Non-cell-Autonomous Pathogenic Mechanisms in Huntington's Disease: Insights from In Vitro and In Vivo Models. Neurotherapeutics, 2019, 16, 957-978.	4.4	37
22	Diverse Mechanisms Lead to Common Dysfunction of Striatal Cholinergic Interneurons in Distinct Genetic Mouse Models of Dystonia. Journal of Neuroscience, 2019, 39, 7195-7205.	3.6	38
23	Relationship of traumatic brain injury to chronic mental health problems and dementia in military veterans. Neuroscience Letters, 2019, 707, 134294.	2.1	42
24	Clarifying the Potential Role of Microbes in Alzheimerâ€™s Disease. Neuron, 2019, 104, 1036-1037.	8.1	10
25	Efficient RNA interference-based knockdown of mutant torsinA reveals reversibility of PERK-eIF2Î± pathway dysregulation in DYT1 transgenic rats in vivo. Brain Research, 2019, 1706, 24-31.	2.2	11
26	Integrative approach to sporadic Alzheimerâ€™s disease:Âdeficiency of TYROBPÂin cerebral AÎ² amyloidosis mouse normalizes clinical phenotype and complement subnetwork molecular pathology without reducing AÎ² burden. Molecular Psychiatry, 2019, 24, 431-446.	7.9	67
27	Integrative approach to sporadic Alzheimerâ€™s disease: deficiency of TYROBP in a tauopathy mouse model reduces C1q and normalizes clinical phenotype while increasing spread and state of phosphorylation of tau. Molecular Psychiatry, 2019, 24, 1383-1397.	7.9	46
28	Nuclear Receptor Nr4a1 Regulates Striatal Striosome Development and Dopamine D₁Receptor Signaling. ENeuro, 2019, 6, ENEURO.0305-19.2019.	1.9	17
29	Exploring the Interaction Between eIF2Î± Dysregulation, Acute Endoplasmic Reticulum Stress and DYT1 Dystonia in the Mammalian Brain. Neuroscience, 2018, 371, 455-468.	2.3	32
30	Integrated biology approach reveals molecular and pathological interactions among Alzheimerâ€™s AÎ²42, Tau, TREM2, and TYROBP in Drosophila models. Genome Medicine, 2018, 10, 26.	8.2	23
31	Multiscale Analysis of Independent Alzheimerâ€™s Cohorts Finds Disruption of Molecular, Genetic, and Clinical Networks by Human Herpesvirus. Neuron, 2018, 99, 64-82.e7.	8.1	558
32	An atlas of chromatin accessibility in the adult human brain. Genome Research, 2018, 28, 1243-1252.	5.5	170
33	Mutations in THAP1/DYT6 reveal that diverse dystonia genes disrupt similar neuronal pathways and functions. PLoS Genetics, 2018, 14, e1007169.	3.5	61
34	The Mount Sinai cohort of large-scale genomic, transcriptomic and proteomic data in Alzheimer's disease. Scientific Data, 2018, 5, 180185.	5.3	320
35	Buprenorphine for the Treatment of the Neonatal Abstinence Syndrome. New England Journal of Medicine, 2017, 376, 2341-2348.	27.0	110
36	Deficiency of TYROBP, an adapter protein for TREM2 and CR3 receptors, is neuroprotective in a mouse model of early Alzheimerâ€™s pathology. Acta Neuropathologica, 2017, 134, 769-788.	7.7	85

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37	THAP1: Role in Mouse Embryonic Stem Cell Survival and Differentiation. Stem Cell Reports, 2017, 9, 92-107.	4.8	27
38	Buprenorphine for the Neonatal Abstinence Syndrome. New England Journal of Medicine, 2017, 377, 996-998.	27.0	11
39	CRISPR/Cas9-Correctable mutation-related molecular and physiological phenotypes in iPSC-derived Alzheimerâ€™s PSEN2 N141I neurons. Acta Neuropathologica Communications, 2017, 5, 77.	5.2	102
40	P4â€278: Characterization of Basal Forebrain Cholinergic Neurons From Induced Pluripotent Stem Cells Harboring Familial Alzheimerâ€™S MUTATION PSEN2^{N141I}. Alzheimer's and Dementia, 2016, 12, P1139.	0.8	0
41	Unexpected partial correction of metabolic and behavioral phenotypes of Alzheimerâ€™s APP/PSEN1 mice by gene targeting of diabetes/Alzheimerâ€™s-related Sorcs1. Acta Neuropathologica Communications, 2016, 4, 16.	5.2	24
42	Effective anti-Alzheimer AÎ² therapy involves depletion of specific AÎ² oligomer subtypes. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e237.	6.0	39
43	Disruption of Protein Processing in the Endoplasmic Reticulum of DYT1 Knock-in Mice Implicates Novel Pathways in Dystonia Pathogenesis. Journal of Neuroscience, 2016, 36, 10245-10256.	3.6	36
44	Integrative network analysis of nineteen brain regions identifies molecular signatures and networks underlying selective regional vulnerability to Alzheimerâ€™s disease. Genome Medicine, 2016, 8, 104.	8.2	224
45	Increased susceptibility to metabolic dysregulation in a mouse model of Alzheimer's disease is associated with impaired hypothalamic insulin signaling and elevated BCAA levels. Alzheimer's and Dementia, 2016, 12, 851-861.	0.8	85
46	Protection by dietary restriction in the YAC128 mouse model of Huntington's disease: Relation to genes regulating histone acetylation and HTT. Neurobiology of Disease, 2016, 85, 25-34.	4.4	27
47	Stable G protein-effector complexes in striatal neurons: mechanism of assembly and role in neurotransmitter signaling. ELife, 2015, 4, .	6.0	27
48	Motor and behavioral phenotype in conditional mutants with targeted ablation of cortical D1 dopamine receptor-expressing cells. Neurobiology of Disease, 2015, 76, 137-158.	4.4	9
49	Abnormalities of motor function, transcription and cerebellar structure in mouse models of THAP1 dystonia. Human Molecular Genetics, 2015, 24, 7159-7170.	2.9	48
50	Physiologically generated presenilin 1 lacking exon 8 fails to rescue brain PS1â^'/â^' phenotype and forms complexes with wildtype PS1 and nicastrin. Scientific Reports, 2015, 5, 17042.	3.3	4
51	Dystonia type 6 gene product Thap1: identification of a 50 kDa DNA-binding species in neuronal nuclear fractions. Acta Neuropathologica Communications, 2014, 2, 139.	5.2	9
52	Resolving pathobiological mechanisms relating to Huntington disease: Gait, balance, and involuntary movements in mice with targeted ablation of striatal D1 dopamine receptor cells. Neurobiology of Disease, 2014, 62, 323-337.	4.4	14
53	Behavioral and transcriptome alterations in male and female mice with postnatal deletion of TrkB in dorsal striatal medium spiny neurons. Molecular Neurodegeneration, 2013, 8, 47.	10.8	11
54	Mutations in GNAL cause primary torsion dystonia. Nature Genetics, 2013, 45, 88-92.	21.4	281

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55	Induction of DARPP-32 by Brain-Derived Neurotrophic Factor in Striatal Neurons In Vitro Is Modified by Histone Deacetylase Inhibitors and Nab2. PLoS ONE, 2013, 8, e76842.	2.5	14
56	Egr-1 Induces DARPP-32 Expression in Striatal Medium Spiny Neurons via a Conserved Intragenic Element. Journal of Neuroscience, 2012, 32, 6808-6818.	3.6	21
57	Huntington's Disease and the Striatal Medium Spiny Neuron: Cell-Autonomous and Non-Cell-Autonomous Mechanisms of Disease. Neurotherapeutics, 2012, 9, 270-284.	4.4	111
58	Forebrain Striatal-Specific Expression of Mutant Huntingtin Protein in Vivo Induces Cell-Autonomous Age-Dependent Alterations in Sensitivity to Excitotoxicity and Mitochondrial Function. ASN Neuro, 2011, 3, AN20110009.	2.7	25
59	In vivo cell-autonomous transcriptional abnormalities revealed in mice expressing mutant huntingtin in striatal but not cortical neurons. Human Molecular Genetics, 2011, 20, 1049-1060.	2.9	56
60	Cell-autonomous alteration of dopaminergic transmission by wild type and mutant (Î”E) TorsinA in transgenic mice. Neurobiology of Disease, 2010, 39, 318-326.	4.4	70
61	Direct interaction between causative genes of DYT1 and DYT6 primary dystonia. Annals of Neurology, 2010, 68, 549-553.	5.3	84
62	Mutations in the THAP1 gene are responsible for DYT6 primary torsion dystonia. Nature Genetics, 2009, 41, 286-288.	21.4	384
63	Role of phosphatidylinositide 3-kinase in brain-derived neurotrophic factor-induced DARPP-32 expression in medium size spiny neurons in vitro. Journal of Neurochemistry, 2008, 79, 1027-1032.	3.9	32
64	Neocortical expression of mutant huntingtin is not required for alterations in striatal gene expression or motor dysfunction in a transgenic mouse. Human Molecular Genetics, 2008, 17, 3095-3104.	2.9	41
65	AKT and CDK5/p35 Mediate Brain-derived Neurotrophic Factor Induction of DARPP-32 in Medium Size Spiny Neurons in Vitro. Journal of Biological Chemistry, 2007, 282, 7352-7359.	3.4	51
66	DARPP-32 genomic fragments drive Cre expression in postnatal striatum. Genesis, 2005, 42, 37-46.	1.6	27
67	ST14A Cells Have Properties of a Medium-Size Spiny Neuron. Experimental Neurology, 2001, 167, 215-226.	4.1	69
68	Expression of the Striatal DARPP-32/ARPP-21 Phenotype in GABAergic Neurons Requires NeurotrophinsIn VivoandIn Vitro. Journal of Neuroscience, 1999, 19, 5409-5419.	3.6	141