James H Eubanks

List of Publications by Year in Descending Order

71 papers	2,397 citations	25 h-index	47 g-index
73 ext. papers	2,691 ext. citations	4.5 avg, IF	4.59 L-index

#	Paper	IF	Citations
71	Interregulation between fragile X mental retardation protein and methyl CpG binding protein 2 in the mouse posterior cerebral cortex. *Human Molecular Genetics*, **2021**, 29, 3744-3756	5.6	3
70	Electrographic Features of Spontaneous Recurrent Seizures in a Mouse Model of Extended Hippocampal Kindling. *Cerebral Cortex Communications*, **2021**, 2, tgab004	1.9	3
69	Seizures in Mouse Models of Rare Neurodevelopmental Disorders. *Neuroscience*, **2020**, 445, 50-68	3.9	13
68	Increased Expression of Vascular Endothelial Growth Factor-D Following Brain Injury. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	12
67	Impaired Spatial Learning and Memory in Middle-Aged Mice with Kindling-Induced Spontaneous Recurrent Seizures. *Frontiers in Pharmacology*, **2019**, 10, 1077	5.6	6
66	Brain Penetrable Histone Deacetylase 6 Inhibitor SW-100 Ameliorates Memory and Learning Impairments in a Mouse Model of Fragile X Syndrome. *ACS Chemical Neuroscience*, **2019**, 10, 1679-1695	5.7	32
65	Electrographic and pharmacological characterization of a progressive epilepsy phenotype in female MeCP2-deficient mice. *Epilepsy Research*, **2018**, 140, 177-183	3	10
64	Effects of Antiepileptic Drugs on Spontaneous Recurrent Seizures in a Novel Model of Extended Hippocampal Kindling in Mice. *Frontiers in Pharmacology*, **2018**, 9, 451	5.6	17
63	The Role of SIRT3 in the Brain Under Physiological and Pathological Conditions. *Frontiers in Cellular Neuroscience*, **2018**, 12, 196	6.1	23
62	mRNA expression of transient receptor potential melastatin (TRPM) channels 2 and 7 in perinatal brain development. *International Journal of Developmental Neuroscience*, **2018**, 69, 23-31	2.7	7
61	Design and Synthesis of Mercaptoacetamides as Potent, Selective, and Brain Permeable Histone Deacetylase 6 Inhibitors. *ACS Medicinal Chemistry Letters*, **2017**, 8, 510-515	4.3	16
60	Prediction of antiepileptic drug treatment outcomes using machine learning. *Journal of Neural Engineering*, **2017**, 14, 016002	5	16
59	Susceptibility to hippocampal kindling seizures is increased in aging C57 black mice. *IBRO Reports*, **2017**, 3, 33-44	2	14
58	Telescoped continuous flow generation of a library of highly substituted 3-thio-1,2,4-triazoles. *Reaction Chemistry and Engineering*, **2017**, 2, 896-907	4.9	12
57	Sirtuin 3 rescues neurons through the stabilisation of mitochondrial biogenetics in the virally-expressing mutant □synuclein rat model of parkinsonism. *Neurobiology of Disease*, **2017**, 106, 133-146	7.5	28
56	Mitochondrial Dysfunction in the Pathogenesis of Rett Syndrome: Implications for Mitochondria-Targeted Therapies. *Frontiers in Cellular Neuroscience*, **2017**, 11, 58	6.1	50
55	ALA-PpIX mediated photodynamic therapy of malignant gliomas augmented by hypothermia. *PLoS ONE*, **2017**, 12, e0181654	3.7	22

54	Epilepsy in Models of Rett Syndrome **2017**, 1079-1090		1
53	A Role for Diminished GABA Transporter Activity in the Cortical Discharge Phenotype of MeCP2-Deficient Mice. *Neuropsychopharmacology*, **2016**, 41, 1467-76	8.7	7
52	From Function to Phenotype: Impaired DNA Binding and Clustering Correlates with Clinical Severity in Males with Missense Mutations in MECP2. *Scientific Reports*, **2016**, 6, 38590	4.9	12
51	Infantile spasms in down syndrome: Rescue by knockdown of the GIRK2 channel. *Annals of Neurology*, **2016**, 80, 511-21	9.4	16
50	Modeling early-onset post-ischemic seizures in aging mice. *Experimental Neurology*, **2015**, 271, 1-12	5.7	17
49	Gene reactivation diminishes delta-modulated high frequency oscillations during seizure-like events in Mecp2-deficient mice **2015**,		2
48	Support vector machines using EEG features of cross-frequency coupling can predict treatment outcome in Mecp2-deficient mice. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 5606-9	0.9	4
47	Effects of neonatal hypoxic-ischemic episodes on late seizure outcomes in C57 black mice. *Epilepsy Research*, **2015**, 111, 142-9	3	10
46	Early-Onset Convulsive Seizures Induced by Brain Hypoxia-Ischemia in Aging Mice: Effects of Anticonvulsive Treatments. *PLoS ONE*, **2015**, 10, e0144113	3.7	13
45	Over-expression of the Sirt3 sirtuin Protects neuronally differentiated PC12 Cells from degeneration induced by oxidative stress and trophic withdrawal. *Brain Research*, **2014**, 1587, 40-53	3.7	22
44	Differential expression of sirtuin family members in the developing, adult, and aged rat brain. *Frontiers in Aging Neuroscience*, **2014**, 6, 333	5.3	45
43	Network models predict that reduced excitatory fluctuations can give rise to hippocampal network hyper-excitability in MeCP2-null mice. *PLoS ONE*, **2014**, 9, e91148	3.7	6
42	Characterization of HFOs in short and long duration discharges recorded from in-vivo MeCP2-deficient mice. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 4603-6	0.9	6
41	Rescue of behavioral and EEG deficits in male and female Mecp2-deficient mice by delayed Mecp2 gene reactivation. *Human Molecular Genetics*, **2014**, 23, 303-18	5.6	37
40	Low frequency-modulated high frequency oscillations in seizure-like events recorded from in-vivo MeCP2-deficient mice. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2013**, 2013, 985-8	0.9	6
39	Regional MeCP2 expression levels in the female MeCP2-deficient mouse brain correlate with specific behavioral impairments. *Experimental Neurology*, **2013**, 239, 49-59	5.7	23
38	Characterization of seizure-like events recorded in vivo in a mouse model of Rett syndrome. *Neural Networks*, **2013**, 46, 109-15	9.1	17
37	Selective preservation of MeCP2 in catecholaminergic cells is sufficient to improve the behavioral phenotype of male and female Mecp2-deficient mice. *Human Molecular Genetics*, **2013**, 22, 358-71	5.6	23

36	Daily rhythmic behaviors and thermoregulatory patterns are disrupted in adult female MeCP2-deficient mice. *PLoS ONE*, **2012**, 7, e35396	3.7	37
35	Preclinical research in Rett syndrome: setting the foundation for translational success. *DMM Disease Models and Mechanisms*, **2012**, 5, 733-45	4.1	154
34	EEG analysis for estimation of duration and inter-event intervals of seizure-like events recorded in vivo from mice. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 2570-3	0.9	4
33	Alterations of cortical and hippocampal EEG activity in MeCP2-deficient mice. *Neurobiology of Disease*, **2010**, 38, 8-16	7.5	62
32	Aminoglycoside-mediated partial suppression of MECP2 nonsense mutations responsible for Rett syndrome in vitro. *Journal of Neuroscience Research*, **2010**, 88, 2316-24	4.4	31
31	Targeted delivery of an Mecp2 transgene to forebrain neurons improves the behavior of female Mecp2-deficient mice. *Human Molecular Genetics*, **2008**, 17, 1386-96	5.6	83
30	The MeCP2-null mouse hippocampus displays altered basal inhibitory rhythms and is prone to hyperexcitability. *Hippocampus*, **2008**, 18, 294-309	3.5	120
29	Intrinsic hippocampal network activity is altered in MeCP2-deficient mice. *BMC Neuroscience*, **2007**, 8,	3.2	78
28	Hippocampal synaptic plasticity is impaired in the Mecp2-null mouse model of Rett syndrome. *Neurobiology of Disease*, **2006**, 21, 217-27	7.5	259
27	Breeding and maintenance of an Mecp2-deficient mouse model of Rett syndrome. *Journal of Neuroscience Methods*, **2006**, 154, 89-95	3	23
26	Decreased expression and impaired function of muscarinic acetylcholine receptors in the rat hippocampus following transient forebrain ischemia. *Neurobiology of Disease*, **2005**, 20, 805-13	7.5	7
25	Dual neuroprotective signaling mediated by downregulating two distinct phosphatase activities of PTEN. *Journal of Neuroscience*, **2004**, 24, 4052-60	6.6	138
24	The expression of methyl CpG binding factor MeCP2 correlates with cellular differentiation in the developing rat brain and in cultured cells. *Journal of Neurobiology*, **2003**, 55, 86-96		140
23	Perforant pathway kindling transiently induces the mRNA expression of GABA-B receptor subtypes R1A and R2 in the adult rat hippocampus. *Molecular Brain Research*, **2001**, 91, 159-62		12
22	Somatostatin type 2 receptor expression in the rat hippocampus following cerebral ischemia. *NeuroReport*, **2001**, 12, 2105-9	1.7	1
21	Diazepam-potentiated [3H]phenytoin binding is associated with peripheral-type benzodiazepine receptors and not with voltage-dependent sodium channels. *Brain Research*, **2000**, 876, 131-40	3.7	2
20	Decreased hippocampal expression, but not functionality, of GABA(B) receptors after transient cerebral ischemia in rats. *Journal of Neurochemistry*, **1999**, 72, 87-94	6	26
19	Altered expression levels of SEF-2 and p112 in the rat hippocampus after transient cerebral ischemia: identification by mRNA differential display. *Journal of Cerebral Blood Flow and Metabolism*, **1999**, 19, 435-42	7.3	9

18	Reversible attenuation of glutamatergic transmission in hippocampal CA1 neurons of rat brain slices following transient cerebral ischemia. *Brain Research*, **1999**, 832, 31-9	3.7	10
17	Decreased expression and functionality of NMDA receptor complexes persist in the CA1, but not in the dentate gyrus after transient cerebral ischemia. *Journal of Cerebral Blood Flow and Metabolism*, **1998**, 18, 768-75	7.3	52
16	Amygdala-kindled and electroconvulsive seizures alter hippocampal expression of the m1 and m3 muscarinic cholinergic receptor genes. *Brain Research*, **1998**, 810, 9-15	3.7	24
15	Kainic acid-induced generalized seizures alter the regional hippocampal expression of the rat Kv4.2 potassium channel gene. *Neuroscience Letters*, **1997**, 232, 91-4	3.3	30
14	Kainic acid-induced generalized seizures alter the regional hippocampal expression of the rat m1 and m3 muscarinic acetylcholine receptor genes. *Epilepsy Research*, **1997**, 29, 71-9	3	18
13	Transient ischemia induces an early decrease of synaptic transmission in CA1 neurons of rat hippocampus: electrophysiologic study in brain slices. *Journal of Cerebral Blood Flow and Metabolism*, **1997**, 17, 955-66	7.3	51
12	Transient global ischemia alters NMDA receptor expression in rat hippocampus: correlation with decreased immunoreactive protein levels of the NR2A/2B subunits, and an altered NMDA receptor functionality. *Journal of Neurochemistry*, **1997**, 69, 1983-94	6	67
11	Three distinct neuronal phenotypes exist in embryonic rat hippocampal neurons cultured in basic fibroblast growth factor. *Neuroscience Letters*, **1996**, 204, 5-8	3.3	4
10	Cerebral ischemia alters the regional hippocampal expression of the rat m1 muscarinic acetylcholine receptor gene. *Neuroscience Letters*, **1996**, 219, 87-90	3.3	15
9	Long-term bFGF neuronal culture: reintroduction into serum medium yields neurons and non-neuronal cells with neuronal characteristics. *Neuroscience Letters*, **1995**, 194, 65-8	3.3	2
8	Chromosomal localization of gene for human glutamate receptor subunit-7. *Somatic Cell and Molecular Genetics*, **1993**, 19, 581-8		14
7	Structure and linkage of the D2 dopamine receptor and neural cell adhesion molecule genes on human chromosome 11q23. *Genomics*, **1992**, 14, 1010-8	4.3	63
6	Localization of the D5 dopamine receptor gene to human chromosome 4p15.1-p15.3, centromeric to the Huntington's disease locus. *Genomics*, **1992**, 12, 510-6	4.3	30
5	Detection and characterization of "chimeric" yeast artificial chromosome clones by fluorescent in situ suppression hybridization. *Genomics*, **1992**, 14, 536-41	4.3	44
4	Regional localization of the highly polymorphic locus D11S533 on the linkage map of human chromosome 11q. *Genomics*, **1992**, 14, 820	4.3	5
3	Chromosomal in situ hybridization using yeast artificial chromosomes. *Genetic Analysis, Techniques and Applications*, **1991**, 8, 59-66		25
2	Detection and characterization of additional DNA polymorphisms in the dopamine D2 receptor gene. *Genomics*, **1991**, 10, 527-30	4.3	172
1	Isolation, localization, and physical mapping of a highly polymorphic locus on human chromosome 11q13. *Genomics*, **1991**, 11, 720-9	4.3	34