

Mark E Hester

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,015
citations

430874

18
h-index

501196

28
g-index

36
all docs

36
docs citations

36
times ranked

3442
citing authors

#	ARTICLE	IF	CITATIONS
1	Astrocytes from familial and sporadic ALS patients are toxic to motor neurons. <i>Nature Biotechnology</i> , 2011, 29, 824-828.	17.5	696
2	Rapid and Efficient Generation of Functional Motor Neurons From Human Pluripotent Stem Cells Using Gene Delivered Transcription Factor Codes. <i>Molecular Therapy</i> , 2011, 19, 1905-1912.	8.2	168
3	Delivery of AAV-IGF-1 to the CNS Extends Survival in ALS Mice Through Modification of Aberrant Glial Cell Activity. <i>Molecular Therapy</i> , 2008, 16, 1056-1064.	8.2	146
4	Gene transfer demonstrates that muscle is not a primary target for non-cell-autonomous toxicity in familial amyotrophic lateral sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 19546-19551.	7.1	140
5	Ageing brain microenvironment decreases hippocampal neurogenesis through Wnt-mediated survivin signaling. <i>Ageing Cell</i> , 2012, 11, 542-552.	6.7	133
6	AAV4-mediated Expression of IGF-1 and VEGF Within Cellular Components of the Ventricular System Improves Survival Outcome in Familial ALS Mice. <i>Molecular Therapy</i> , 2010, 18, 2075-2084.	8.2	111
7	Electrophysiological Maturation of Cerebral Organoids Correlates with Dynamic Morphological and Cellular Development. <i>Stem Cell Reports</i> , 2020, 15, 855-868.	4.8	94
8	Maternal high fat diet exposure is associated with increased hepcidin levels, decreased myelination, and neurobehavioral changes in male offspring. <i>Brain, Behavior, and Immunity</i> , 2016, 58, 369-378.	4.1	69
9	Two Factor Reprogramming of Human Neural Stem Cells into Pluripotency. <i>PLoS ONE</i> , 2009, 4, e7044.	2.5	60
10	AAV as a Gene Transfer Vector for the Treatment of Neurological Disorders: Novel Treatment Thoughts for ALS. <i>Current Gene Therapy</i> , 2009, 9, 428-433.	2.0	49
11	Smad2 and Smad3 coordinately regulate craniofacial and endodermal development. <i>Developmental Biology</i> , 2004, 270, 411-426.	2.0	46
12	Acetylcholine negatively regulates development of the neuromuscular junction through distinct cellular mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10702-10707.	7.1	36
13	Short-read, high-throughput sequencing technology for STR genotyping. <i>BioTechniques</i> , 2012, , .	1.8	30
14	Generation of novel conditional and hypomorphic alleles of the Smad2 gene. <i>Genesis</i> , 2004, 40, 118-123.	1.6	29
15	Modeling neurodegenerative diseases with cerebral organoids and other three-dimensional culture systems: focus on Alzheimer's disease. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 696-717.	3.8	28
16	Smad1 and Smad8 Function Similarly in Mammalian Central Nervous System Development. <i>Molecular and Cellular Biology</i> , 2005, 25, 4683-4692.	2.3	24
17	iPhemap: an atlas of phenotype to genotype relationships of human iPSC models of neurological diseases. <i>EMBO Molecular Medicine</i> , 2017, 9, 1742-1762.	6.9	24
18	PTEN somatic mutations contribute to spectrum of cerebral overgrowth. <i>Brain</i> , 2021, 144, 2971-2978.	7.6	23

#	ARTICLE	IF	CITATIONS
19	Modeling Human Brain Circuitry Using Pluripotent Stem Cell Platforms. <i>Frontiers in Pediatrics</i> , 2019, 7, 57.	1.9	20
20	AUTS2 Syndrome: Molecular Mechanisms and Model Systems. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 858582.	2.9	14
21	Gabapentin Use for Hospitalized Neonates. <i>Pediatric Neurology</i> , 2019, 97, 64-70.	2.1	11
22	Cerebral organoids containing an <i>AUTS2</i> missense variant model microcephaly. <i>Brain</i> , 2023, 146, 387-404.	7.6	11
23	Next-generation sequencing approach to epigenetic-based tissue source attribution. <i>Electrophoresis</i> , 2014, 35, 3096-3101.	2.4	10
24	Stability Characterization of a Polysorbate 80-Dimethyl Trisulfide Formulation, a Cyanide Antidote Candidate. <i>Drugs in R and D</i> , 2016, 16, 109-127.	2.2	10
25	Brd2 haploinsufficiency extends lifespan and healthspan in C57B6/J mice. <i>PLoS ONE</i> , 2020, 15, e0234910.	2.5	6
26	Generation of Neurosphere-Derived Organoid-Like Aggregates (NEDAS) from Neural Stem Cells. <i>Current Protocols</i> , 2021, 1, e15.	2.9	6
27	Intrauterine drug exposure as a risk factor for cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2022, 64, 453-461.	2.1	3
28	648: Human induced pluripotent stem cells (iPSCs) derived 3D model for early placental HCMV infections. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 220, S430-S431.	1.3	0
29	Spatially Resolved Transcriptomics Reveals Gene Signatures Underlying the Vulnerability of Human Middle Temporal Gyus in Alzheimer's Disease. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
30	Assessment of Beta-2 Microglobulin Gene Edited Airway Epithelial Stem Cells as a treatment for Sulfur Mustard Inhalation. <i>Frontiers in Genome Editing</i> , 2022, 4, 781531.	5.2	0
31	LGG-47. Single-cell RNA Sequencing Reveals Immunosuppressive Myeloid Cell Diversity During Malignant Progression in Glioma. <i>Neuro-Oncology</i> , 2022, 24, i99-i99.	1.2	0