Christine J Didonato

List of Publications by Year
in descending order

31 papers	1,819 citations	279798 23 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	1412 citing authors

#	Article	IF	Citations
1	Neuronal SMN expression corrects spinal muscular atrophy in severe SMA mice while muscle-specific SMN expression has no phenotypic effect. Human Molecular Genetics, 2008, 17, 1063-1075.	2.9	199
2	Motor Neuron Rescue in Spinal Muscular Atrophy Mice Demonstrates That Sensory-Motor Defects Are a Consequence, Not a Cause, of Motor Neuron Dysfunction. Journal of Neuroscience, 2012, 32, 3818-3829.	3.6	168
3	Arrhythmia and cardiac defects are a feature of spinal muscular atrophy model mice. Human Molecular Genetics, 2010, 19, 3906-3918.	2.9	160
4	SRp30c-dependent stimulation of survival motor neuron (SMN) exon 7 inclusion is facilitated by a direct interaction with hTra2beta1. Human Molecular Genetics, 2002, 11, 577-587.	2.9	127
5	Cloning, Characterization, and Copy Number of the Murine Survival Motor Neuron Gene: Homolog of the Spinal Muscular Atrophy-Determiningâ€‰Gene. Genome Research, 1997, 7, 339-352.	5.5	117
6	Translational readthrough by the aminoglycoside geneticin (G418) modulates SMN stability in vitro and improves motor function in SMA mice in vivo. Human Molecular Genetics, 2009, 18, 1310-1322.	2.9	102
7	A novel cDNA detects homozygous microdeletions in greater than 50% of type I spinal muscular atrophy patients. Nature Genetics, 1995, 9, 56-62.	21.4	83
8	The DcpS inhibitor RG3039 improves survival, function and motor unit pathologies in two SMA mouse models. Human Molecular Genetics, 2013, 22, 4084-4101.	2.9	78
9	Mouse Survival Motor Neuron Alleles That Mimic SMN2 Splicing and Are Inducible Rescue Embryonic Lethality Early in Development but Not Late. PLoS ONE, 2010, 5, e15887.	2.5	71
10	A Multicopy Dinucleotide Marker That Maps Close to the Spinal Muscular Atrophy Gene. Genomics, 1994, 21, 394-402.	2.9	54
11	Regulation of murine survival motor neuron (Smn) protein levels by modifying Smn exon 7 splicing. Human Molecular Genetics, 2001, 10, 2727-2736.	2.9	53
12	Mechanistic principles of antisense targets for the treatment of spinal muscular atrophy. Future Medicinal Chemistry, 2015, 7, 1793-1808.	2.3	52
13	Animal Models of Spinal Muscular Atrophy. Journal of Child Neurology, 2007, 22, 1004-1012.	1.4	51
14	Combination molecular therapies for type 1 spinal muscular atrophy. Muscle and Nerve, 2020, 62, 550-554.	2.2	51
15	Molecular and phenotypic reassessment of an infrequently used mouse model for spinal muscular atrophy. Biochemical and Biophysical Research Communications, 2010, 391, 517-522.	2.1	50
16	A Short Antisense Oligonucleotide Ameliorates Symptoms of Severe Mouse Models of Spinal Muscular Atrophy. Molecular Therapy - Nucleic Acids, 2014, 3, e174.	5.1	47
17	A YAC Contig of the Region Containing the Spinal Muscular Atrophy Gene (SMA): Identification of an Unstable Region. Genomics, 1994, 24, 351-356.	2.9	45
18	Linkage mapping of the spinal muscular atrophy gene. Human Genetics, 1994, 93, 305-312.	3.8	43

#	Article	IF	Citations
19	Absence of <scp>UCHL</scp> 1 function leads to selective motor neuropathy. Annals of Clinical and Translational Neurology, 2016, 3, 331-345.	3.7	33
20	Development of a Gene Therapy Strategy for the Restoration of Survival Motor Neuron Protein Expression: Implications for Spinal Muscular Atrophy Therapy. Human Gene Therapy, 2003, 14, 179-188.	2.7	32
21	Characterization of a commonly used mouse model of SMA reveals increased seizure susceptibility and heightened fear response in FVB/N mice. Neurobiology of Disease, 2011, 43, 142-151.	4.4	26
22	Development of electrocardiogram intervals during growth of FVB/N neonate mice. BMC Physiology, 2010, 10, 16.	3.6	25
23	SMN Transcript Stability: Could Modulation of Messenger RNA Degradation Provide a Novel Therapy for Spinal Muscular Atrophy?. Journal of Child Neurology, 2007, 22, 1013-1018.	1.4	24
24	Genetic and physical mapping of the mouse host resistance locus Lgn1. Mammalian Genome, 1997, 8, 682-685.	2.2	21
25	Dysphagia Phenotypes in Spinal Muscular Atrophy: The Past, Present, and Promise for the Future. American Journal of Speech-Language Pathology, 2021, 30, 1008-1022.	1.8	18
26	In vitro and in vivo effects of 2,4 diaminoquinazoline inhibitors of the decapping scavenger enzyme DcpS: Context-specific modulation of SMN transcript levels. PLoS ONE, 2017, 12, e0185079.	2.5	16
27	Complete nucleotide sequence, genomic organization, and promoter analysis of the murine survival motor neuron gene (Smn). Mammalian Genome, 1999, 10, 638-641.	2.2	15
28	Spinal motor neuron loss occurs through a p53-and-p21-independent mechanism in the Smn mouse model of spinal muscular atrophy. Experimental Neurology, 2021, 337, 113587.	4.1	7
29	The mouse neuronal apoptosis inhibitory protein gene maps to a conserved syntenic region of mouse chromosome 13. Mammalian Genome, 1997, 8, 222-222.	2.2	4
30	ECG in neonate mice with spinal muscular atrophy allows assessment of drug efficacy. Frontiers in Bioscience - Elite, 2015, 7, 122-133.	1.8	4
31	Friedreichâ€™s Ataxia: Clinical Presentation of a Compound Heterozygote Child with a Rare Nonsense Mutation and Comparison with Previously Published Cases. Case Reports in Neurological Medicine, 2018, 2018, 1-5.	0.4	2