Monica Nizzardo

List of Publications by Year
in descending order

63	3,224	136950 32	155660 55
papers	citations	h-index	g-index

63	63	63	4973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cell-penetrating peptide-conjugated Morpholino rescues SMA in a symptomatic preclinical model. Molecular Therapy, 2022, 30, 1288-1299.	8.2	12
2	Molecular analysis of SMARD1 patient-derived cells demonstrates that nonsense-mediated mRNA decay is impaired. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 908-910.	1.9	3
3	Targeting PTB for Glia-to-Neuron Reprogramming In Vitro and In Vivo for Therapeutic Development in Neurological Diseases. Biomedicines, 2022, 10, 399.	3.2	6
4	Insights into the identification of a molecular signature for amyotrophic lateral sclerosis exploiting integrated microRNA profiling of iPSC-derived motor neurons and exosomes. Cellular and Molecular Life Sciences, 2022, 79, 189.	5.4	12
5	Stathmins and Motor Neuron Diseases: Pathophysiology and Therapeutic Targets. Biomedicines, 2022, 10, 711.	3.2	9
6	Generation of two hiPSC lines (UMILi027-A and UMILi028-A) from early and late-onset Congenital Central hypoventilation Syndrome (CCHS) patients carrying a polyalanine expansion mutation in the PHOX2B gene. Stem Cell Research, 2022, 61, 102781.	0.7	0
7	Dysregulation of Muscle-Specific MicroRNAs as Common Pathogenic Feature Associated with Muscle Atrophy in ALS, SMA and SBMA: Evidence from Animal Models and Human Patients. International Journal of Molecular Sciences, 2021, 22, 5673.	4.1	14
8	Spinal muscular atrophy with respiratory distress type 1: Clinical phenotypes, molecular pathogenesis and therapeutic insights. Journal of Cellular and Molecular Medicine, 2020, 24, 1169-1178.	3.6	21
9	Animal Models of CMT2A: State-of-art and Therapeutic Implications. Molecular Neurobiology, 2020, 57, 5121-5129.	4.0	6
10	Systematic elucidation of neuron-astrocyte interaction in models of amyotrophic lateral sclerosis using multi-modal integrated bioinformatics workflow. Nature Communications, 2020, 11, 5579.	12.8	28
11	Current understanding of and emerging treatment options for spinal muscular atrophy with respiratory distress type 1 (SMARD1). Cellular and Molecular Life Sciences, 2020, 77, 3351-3367.	5.4	11
12	Neural Stem Cell Transplantation for Neurodegenerative Diseases. International Journal of Molecular Sciences, 2020, 21, 3103.	4.1	105
13	miR-129-5p: A key factor and therapeutic target in amyotrophic lateral sclerosis. Progress in Neurobiology, 2020, 190, 101803.	5.7	31
14	TDP-43 promotes the formation of neuromuscular synapses through the regulation of Disc-large expression in Drosophila skeletal muscles. BMC Biology, 2020, 18, 34.	3.8	20
15	CSF transplantation of a specific iPSC-derived neural stem cell subpopulation ameliorates the disease phenotype in a mouse model of spinal muscular atrophy with respiratory distress type 1. Experimental Neurology, 2019, 321, 113041.	4.1	8
16	Key role of SMN/SYNCRIP and RNA-Motif 7 in spinal muscular atrophy: RNA-Seq and motif analysis of human motor neurons. Brain, 2019, 142, 276-294.	7.6	31
17	Downregulation of glutamic acid decarboxylase in Drosophila TDP-43-null brains provokes paralysis by affecting the organization of the neuromuscular synapses. Scientific Reports, 2018, 8, 1809.	3.3	17
18	Mitochondrial Dysregulation and Impaired Autophagy in iPSC-Derived Dopaminergic Neurons of Multiple System Atrophy. Stem Cell Reports, 2018, 11, 1185-1198.	4.8	46

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19	MicroRNA expression analysis identifies a subset of downregulated miRNAs in ALS motor neuron progenitors. Scientific Reports, 2018, 8, 10105.	3.3	53
20	Investigation of New Morpholino Oligomers to Increase Survival Motor Neuron Protein Levels in Spinal Muscular Atrophy. International Journal of Molecular Sciences, 2018, 19, 167.	4.1	8
21	Genome-wide RNA-seq of iPSC-derived motor neurons indicates selective cytoskeletal perturbation in Brownâ€“Vialetto disease that is partially rescued by riboflavin. Scientific Reports, 2017, 7, 46271.	3.3	22
22	Differential neuronal vulnerability identifies IGF-2 as a protective factor in ALS. Scientific Reports, 2016, 6, 25960.	3.3	80
23	Selective mitochondrial depletion, apoptosis resistance, and increased mitophagy in human Charcot-Marie-Tooth 2A motor neurons. Human Molecular Genetics, 2016, 25, 4266-4281.	2.9	41
24	iPSC-derived LewisX+CXCR4+Î²1-integrin+ neural stem cells improve the amyotrophic lateral sclerosis phenotype by preserving motor neurons and muscle innervation in human and rodent models. Human Molecular Genetics, 2016, 25, 3152-3163.	2.9	27
25	Experimental Advances Towards Neural Regeneration from Induced Stem Cells to Direct In Vivo Reprogramming. Molecular Neurobiology, 2016, 53, 2124-2131.	4.0	11
26	Spinal muscular atrophy phenotype is ameliorated in human motor neurons by SMN increase via different novel RNA therapeutic approaches. Scientific Reports, 2015, 5, 11746.	3.3	37
27	Spinal muscular atrophyâ€”recent therapeutic advances for an old challenge. Nature Reviews Neurology, 2015, 11, 351-359.	10.1	119
28	Motor neurons with differential vulnerability to degeneration show distinct protein signatures in health and ALS. Neuroscience, 2015, 291, 216-229.	2.3	62
29	Gene therapy rescues disease phenotype in a spinal muscular atrophy with respiratory distress type 1 (SMARD1) mouse model. Science Advances, 2015, 1, e1500078.	10.3	33
30	Therapeutic Development in Amyotrophic Lateral Sclerosis. Clinical Therapeutics, 2015, 37, 668-680.	2.5	71
31	MFN2-related neuropathies: Clinical features, molecular pathogenesis and therapeutic perspectives. Journal of the Neurological Sciences, 2015, 356, 7-18.	0.6	112
32	Pluripotent stem cell-based models of spinal muscular atrophy. Molecular and Cellular Neurosciences, 2015, 64, 44-50.	2.2	28
33	Therapeutic applications of the cell-penetrating HIV-1 Tat peptide. Drug Discovery Today, 2015, 20, 76-85.	6.4	173
34	iPSC-Based Models to Unravel Key Pathogenetic Processes Underlying Motor Neuron Disease Development. Journal of Clinical Medicine, 2014, 3, 1124-1145.	2.4	6
35	Minimally invasive transplantation of iPSC-derived ALDHhiSSCloVLA4+ neural stem cells effectively improves the phenotype of an amyotrophic lateral sclerosis model. Human Molecular Genetics, 2014, 23, 342-354.	2.9	97
36	In vitro neurogenesis: development and functional implications of iPSC technology. Cellular and Molecular Life Sciences, 2014, 71, 1623-1639.	5.4	39

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37	Stem cell transplantation for amyotrophic lateral sclerosis: therapeutic potential and perspectives on clinical translation. Cellular and Molecular Life Sciences, 2014, 71, 3257-3268.	5.4	32
38	Cellular therapy to target neuroinflammation in amyotrophic lateral sclerosis. Cellular and Molecular Life Sciences, 2014, 71, 999-1015.	5.4	89
39	Effect of Combined Systemic and Local Morpholino Treatment on the Spinal Muscular Atrophy Î”7 Mouse Model Phenotype. Clinical Therapeutics, 2014, 36, 340-356.e5.	2.5	44
40	Molecular, genetic and stem cellâ€mediated therapeutic strategies for spinal muscular atrophy (<scp>SMA</scp>). Journal of Cellular and Molecular Medicine, 2014, 18, 187-196.	3.6	20
41	Antisense Oligonucleotide Therapy for the Treatment of C9ORF72 ALS/FTD Diseases. Molecular Neurobiology, 2014, 50, 721-732.	4.0	48
42	Molecular Therapeutic Strategies for Spinal Muscular Atrophies: Current and Future Clinical Trials. Clinical Therapeutics, 2014, 36, 128-140.	2.5	74
43	The wide spectrum of clinical phenotypes of spinal muscular atrophy with respiratory distress type 1: A systematic review. Journal of the Neurological Sciences, 2014, 346, 35-42.	0.6	30
44	Motor neuron derivation from human embryonic and induced pluripotent stem cells: experimental approaches and clinical perspectives. Stem Cell Research and Therapy, 2014, 5, 87.	5.5	52
45	Glycogen storage disease type III: A novel Agl knockout mouse model. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2318-2328.	3.8	28
46	iPSC-Derived Neural Stem Cells Act via Kinase Inhibition to Exert Neuroprotective Effects in Spinal Muscular Atrophy with Respiratory DistressÂType 1. Stem Cell Reports, 2014, 3, 297-311.	4.8	34
47	Direct Reprogramming of Adult Somatic Cells into other Lineages: Past Evidence and Future Perspectives. Cell Transplantation, 2013, 22, 921-944.	2.5	20
48	Riboflavin transporter 3 involvement in infantile Brown-Vialetto-Van Laere disease: two novel mutations. Journal of Medical Genetics, 2013, 50, 104-107.	3.2	31
49	Genetic Correction of Human Induced Pluripotent Stem Cells from Patients with Spinal Muscular Atrophy. Science Translational Medicine, 2012, 4, 165ra162.	12.4	180
50	Research advances in gene therapy approaches for the treatment of amyotrophic lateral sclerosis. Cellular and Molecular Life Sciences, 2012, 69, 1641-1650.	5.4	19
51	Direct reprogramming of human astrocytes into neural stem cells and neurons. Experimental Cell Research, 2012, 318, 1528-1541.	2.6	143
52	ALS genetic modifiers that increase survival of SOD1 mice and are suitable for therapeutic development. Progress in Neurobiology, 2011, 95, 133-148.	5.7	26
53	Beta-lactam antibiotic offers neuroprotection in a spinal muscular atrophy model by multiple mechanisms. Experimental Neurology, 2011, 229, 214-225.	4.1	51
54	Human motor neuron generation from embryonic stem cells and induced pluripotent stem cells. Cellular and Molecular Life Sciences, 2010, 67, 3837-3847.	5.4	71

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55	Systemic transplantation of c-kit+ cells exerts a therapeutic effect in a model of amyotrophic lateral sclerosis. Human Molecular Genetics, 2010, 19, 3782-3796.	2.9	66
56	Embryonic stem cell-derived neural stem cells improve spinal muscular atrophy phenotype in mice. Brain, 2010, 133, 465-481.	7.6	98
57	Motoneuron Transplantation Rescues the Phenotype of SMARD1 (Spinal Muscular Atrophy with) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.6	34
58	The Mitochondrial Disulfide Relay System Protein GFER Is Mutated in Autosomal-Recessive Myopathy with Cataract and Combined Respiratory-Chain Deficiency. American Journal of Human Genetics, 2009, 84, 594-604.	6.2	121
59	Neural stem cell transplantation can ameliorate the phenotype of a mouse model of spinal muscular atrophy. Journal of Clinical Investigation, 2008, 118, 3316-3330.	8.2	119
60	Neural stem cells LewisX + CXCR4 + modify disease progression in an amyotrophic lateral sclerosis model. Brain, 2007, 130, 1289-1305.	7.6	127
61	Isolation and characterization of murine neural stem/progenitor cells based on Prominin-1 expression. Experimental Neurology, 2007, 205, 547-562.	4.1	104
62	Fas small interfering RNA reduces motoneuron death in amyotrophic lateral sclerosis mice. Annals of Neurology, 2007, 62, 81-92.	5.3	47
63	Resveratrol-induced apoptosis in human T-cell acute lymphoblastic leukaemia MOLT-4 cells. Biochemical Pharmacology, 2007, 74, 1568-1574.	4.4	117