

# Caty Casas

## List of Publications by Year in descending order

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52  
papers

10,571  
citations

201674

27  
h-index

182427

51  
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53  
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53  
docs citations

53  
times ranked

22966  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endogenous Mechanisms of Neuroprotection: To Boost or Not to Be. <i>Cells</i> , 2021, 10, 370.	4.1	10
2	GRP78 Overexpression Triggers PINK1-IP3R-Mediated Neuroprotective Mitophagy. <i>Biomedicines</i> , 2021, 9, 1039.	3.2	2
3	NeuroHeal Improves Muscle Regeneration after Injury. <i>Cells</i> , 2021, 10, 22.	4.1	2
4	Is it the time of autophagy fine-tuners for neuroprotection?. <i>Autophagy</i> , 2020, 16, 2108-2109.	9.1	4
5	Neurotrophic Properties of C-Terminal Domain of the Heavy Chain of Tetanus Toxin on Motor Neuron Disease. <i>Toxins</i> , 2020, 12, 666.	3.4	2
6	NeuroHeal Reduces Muscle Atrophy and Modulates Associated Autophagy. <i>Cells</i> , 2020, 9, 1575.	4.1	4
7	Novel neuroprotective therapy with NeuroHeal by autophagy induction for damaged neonatal motoneurons. <i>Theranostics</i> , 2020, 10, 5154-5168.	10.0	11
8	SIRT2 Inhibition Improves Functional Motor Recovery After Peripheral Nerve Injury. <i>Neurotherapeutics</i> , 2020, 17, 1197-1211.	4.4	8
9	NeuroHeal Treatment Alleviates Neuropathic Pain and Enhances Sensory Axon Regeneration. <i>Cells</i> , 2020, 9, 808.	4.1	10
10	Improved Motor Nerve Regeneration by SIRT1/Hif1a-Mediated Autophagy. <i>Cells</i> , 2019, 8, 1354.	4.1	22
11	Network-centric medicine for peripheral nerve injury: Treating the whole to boost endogenous mechanisms of neuroprotection and regeneration. <i>Neural Regeneration Research</i> , 2019, 14, 1122.	3.0	13
12	Neuroprotective Drug for Nerve Trauma Revealed Using Artificial Intelligence. <i>Scientific Reports</i> , 2018, 8, 1879.	3.3	56
13	ATG5 overexpression is neuroprotective and attenuates cytoskeletal and vesicle-trafficking alterations in axotomized motoneurons. <i>Cell Death and Disease</i> , 2018, 9, 626.	6.3	15
14	SIRT1 activation with neuroheal is neuroprotective but SIRT2 inhibition with AK7 is detrimental for disconnected motoneurons. <i>Cell Death and Disease</i> , 2018, 9, 531.	6.3	26
15	Boosted Regeneration and Reduced Denervated Muscle Atrophy by NeuroHeal in a Pre-clinical Model of Lumbar Root Avulsion with Delayed Reimplantation. <i>Scientific Reports</i> , 2017, 7, 12028.	3.3	20
16	GRP78 at the Centre of the Stage in Cancer and Neuroprotection. <i>Frontiers in Neuroscience</i> , 2017, 11, 177.	2.8	166
17	TRANSAUTOPHAGY: European network for multidisciplinary research and translation of autophagy knowledge. <i>Autophagy</i> , 2016, 12, 614-617.	9.1	2
18	Synaptic Failure: Focus in an Integrative View of ALS. <i>Brain Plasticity</i> , 2016, 1, 159-175.	3.5	40

#	ARTICLE	IF	CITATIONS
19	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
20	Novel Neuroprotective Multicomponent Therapy for Amyotrophic Lateral Sclerosis Designed by Networked Systems. <i>PLoS ONE</i> , 2016, 11, e0147626.	2.5	29
21	Changes of voltage-gated sodium channels in sensory nerve regeneration and neuropathic pain models. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 321-334.	0.7	14
22	Network-based proteomic approaches reveal the neurodegenerative, neuroprotective and pain-related mechanisms involved after retrograde axonal damage. <i>Scientific Reports</i> , 2015, 5, 9185.	3.3	29
23	Neonatal finasteride administration alters hippocampal $\delta$ and $\gamma$ GABAAR subunits expression and behavioural responses to progesterone in adult rats. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 259-273.	2.1	17
24	Neonatal allopregnanolone levels alteration: Effects on behavior and role of the hippocampus. <i>Progress in Neurobiology</i> , 2014, 113, 95-105.	5.7	20
25	Neonatal allopregnanolone or finasteride administration modifies hippocampal K <sup>+</sup> Cl <sup>-</sup> co-transporter expression during early development in male rats. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 143, 343-347.	2.5	11
26	Intrathecal administration of IGF-I by AAVrh10 improves sensory and motor deficits in a mouse model of diabetic neuropathy. <i>Molecular Therapy - Methods and Clinical Development</i> , 2014, 1, 7.	4.1	31
27	Early presymptomatic cholinergic dysfunction in a murine model of amyotrophic lateral sclerosis. <i>Brain and Behavior</i> , 2013, 3, 145-158.	2.2	69
28	The C-terminal domain of tetanus toxin protects motoneurons against acute excitotoxic damage on spinal cord organotypic cultures. <i>Journal of Neurochemistry</i> , 2013, 124, 36-44.	3.9	23
29	Early presymptomatic cholinergic dysfunction in a murine model of amyotrophic lateral sclerosis. <i>Brain and Behavior</i> , 2013, 3, 328-328.	2.2	0
30	Sigma-1R Agonist Improves Motor Function and Motoneuron Survival in ALS Mice. <i>Neurotherapeutics</i> , 2012, 9, 814-826.	4.4	143
31	Effect of genetic background on onset and disease progression in the SOD1-G93A model of amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2012, 13, 302-310.	2.1	42
32	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
33	Induction of ER stress in response to oxygen-glucose deprivation of cortical cultures involves the activation of the PERK and IRE-1 pathways and of caspase-12. <i>Cell Death and Disease</i> , 2011, 2, e149-e149.	6.3	137
34	Sigma Receptor Agonist 2-(4-Morpholinethyl)1 Phenylcyclohexanecarboxylate (Pre084) Increases GDNF and BiP Expression and Promotes Neuroprotection after Root Avulsion Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 831-840.	3.4	53
35	Valproate reduces CHOP levels and preserves oligodendrocytes and axons after spinal cord injury. <i>Neuroscience</i> , 2011, 178, 33-44.	2.3	67
36	Autophagy, and BiP level decrease are early key events in retrograde degeneration of motoneurons. <i>Cell Death and Differentiation</i> , 2011, 18, 1617-1627.	11.2	48

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37	Effects of Schwann cell transplants in an experimental nerve amputee model. <i>Restorative Neurology and Neuroscience</i> , 2009, 27, 67-78.	0.7	9
38	Selective sigma receptor agonist 2-(4-morpholinethyl)1-phenylcyclohexanecarboxylate (PRE084) promotes neuroprotection and neurite elongation through protein kinase C (PKC) signaling on motoneurons. <i>Neuroscience</i> , 2009, 162, 31-38.	2.3	53
39	Cytoskeletal and Activity-Related Changes in Spinal Motoneurons after Root Avulsion. <i>Journal of Neurotrauma</i> , 2009, 26, 763-779.	3.4	40
40	Drug screening of neuroprotective agents on an organotypic-based model of spinal cord excitotoxic damage. <i>Restorative Neurology and Neuroscience</i> , 2009, 27, 335-349.	0.7	24
41	Analysis of FK506-mediated protection in an organotypic model of spinal cord damage: Heat shock protein 70 levels are modulated in microglial cells. <i>Neuroscience</i> , 2008, 155, 104-113.	2.3	29
42	Influence of the substrate's hydrophilicity on their <i>in vitro</i> Schwann cells viability. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 83A, 463-470.	4.0	39
43	Spinal cord injury induces endoplasmic reticulum stress with different cell-type dependent response. <i>Journal of Neurochemistry</i> , 2007, 102, 1242-1255.	3.9	143
44	Effects of COX-2 and iNOS Inhibitors Alone or in Combination With Olfactory Ensheathing Cell Grafts After Spinal Cord Injury. <i>Spine</i> , 2006, 31, 1100-1106.	2.0	19
45	Massive CA1/2 Neuronal Loss with Intraneuronal and N-Terminal Truncated A $\beta$ 42 Accumulation in a Novel Alzheimer Transgenic Model. <i>American Journal of Pathology</i> , 2004, 165, 1289-1300.	3.8	375
46	<i>Dyrk1A</i> Haploinsufficiency Affects Viability and Causes Developmental Delay and Abnormal Brain Morphology in Mice. <i>Molecular and Cellular Biology</i> , 2002, 22, 6636-6647.	2.3	306
47	<i>Dscr1</i> , a novel endogenous inhibitor of calcineurin signaling, is expressed in the primitive ventricle of the heart and during neurogenesis. <i>Mechanisms of Development</i> , 2001, 101, 289-292.	1.7	58
48	The human intersectin genes and their spliced variants are differentially expressed. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2001, 1521, 1-11.	2.4	56
49	Alu-splice cloning of human Intersectin (ITSN), a putative multivalent binding protein expressed in proliferating and differentiating neurons and overexpressed in Down syndrome. <i>European Journal of Human Genetics</i> , 1999, 7, 704-712.	2.8	74
50	Human Minibrain Homologue (MNBH/DYRK1): Characterization, Alternative Splicing, Differential Tissue Expression, and Overexpression in Down Syndrome. <i>Genomics</i> , 1999, 57, 407-418.	2.9	169
51	Cosmid Contig and Transcriptional Map of Three Regions of Human Chromosome 21q22: Identification of 37 Novel Transcripts by Direct Selection. <i>Genomics</i> , 1997, 45, 59-67.	2.9	11
52	A human homologue of <i>Drosophila</i> minibrain (MNB) is expressed in the neuronal regions affected in Down syndrome and maps to the critical region. <i>Human Molecular Genetics</i> , 1996, 5, 1305-1310.	2.9	197