

# Natalia Rodrguez-Muela

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21  
papers

5,232  
citations

14  
h-index

21  
g-index

21  
ext. papers

6,068  
ext. citations

9.6  
avg, IF

4.41  
L-index

#	Paper	IF	Citations
21	Correction of a Factor VIII genomic inversion with designer-recombinases.. <i>Nature Communications</i> , <b>2022</b> , 13, 422	17.4	2
20	The -QC Reporter for Quantitative Mitophagy Assessment in Primary Retinal Ganglion Cells and Experimental Glaucoma Models. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	9
19	Autophagy in motor neuron diseases. <i>Progress in Molecular Biology and Translational Science</i> , <b>2020</b> , 172, 157-202	4	2
18	Age related retinal Ganglion cell susceptibility in context of autophagy deficiency. <i>Cell Death Discovery</i> , <b>2020</b> , 6, 21	6.9	8
17	Genetic modifiers ameliorate endocytic and neuromuscular defects in a model of spinal muscular atrophy. <i>BMC Biology</i> , <b>2020</b> , 18, 127	7.3	6
16	Autophagy in stem cells: repair, remodelling and metabolic reprogramming. <i>Development (Cambridge)</i> , <b>2018</b> , 145,	6.6	98
15	Blocking p62-dependent SMN degradation ameliorates spinal muscular atrophy disease phenotypes. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 3008-3023	15.9	16
14	Single-Cell Analysis of SMN Reveals Its Broader Role in Neuromuscular Disease. <i>Cell Reports</i> , <b>2017</b> , 18, 1484-1498	10.6	29
13	Subtly Modulating Glycogen Synthase Kinase 3 $\beta$ Allosteric Inhibitor Development and Their Potential for the Treatment of Chronic Diseases. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 4983-5001	8.3	36
12	Reactive Astrocytes Promote ALS-like Degeneration and Intracellular Protein Aggregation in Human Motor Neurons by Disrupting Autophagy through TGF- $\beta$ . <i>Stem Cell Reports</i> , <b>2017</b> , 9, 667-680	8	61
11	Standard Assays for the Study of Autophagy in the Ex Vivo Retina. <i>Cells</i> , <b>2017</b> , 6,	7.9	10
10	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
9	Genome-wide RNA-Seq of Human Motor Neurons Implicates Selective ER Stress Activation in Spinal Muscular Atrophy. <i>Cell Stem Cell</i> , <b>2015</b> , 17, 569-84	18	79
8	Lysosomal membrane permeabilization and autophagy blockade contribute to photoreceptor cell death in a mouse model of retinitis pigmentosa. <i>Cell Death and Differentiation</i> , <b>2015</b> , 22, 476-87	12.7	89
7	Balance between autophagic pathways preserves retinal homeostasis. <i>Aging Cell</i> , <b>2013</b> , 12, 478-88	9.9	113
6	Autophagy promotes survival of retinal ganglion cells after optic nerve axotomy in mice. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 162-9	12.7	146
5	Axonal damage, autophagy and neuronal survival. <i>Autophagy</i> , <b>2012</b> , 8, 286-8	10.2	42

4	Lysosomal membrane permeabilization in Parkinson disease. <i>Autophagy</i> , <b>2011</b> , 7, 98-100	10.2	52
3	Pathogenic lysosomal depletion in Parkinson's disease. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 12535-44	6.6	551
2	Attenuation of vision loss and delay in apoptosis of photoreceptors induced by proinsulin in a mouse model of retinitis pigmentosa <b>2008</b> , 49, 4188-94		42
1	Correction of a Factor VIII genomic inversion with designer-recombinases		3