

# Jerome Mertens

## 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.

35  
papers

3,253  
citations

22  
h-index

39  
g-index

39  
ext. papers

4,172  
ext. citations

11.7  
avg, IF

4.91  
L-index

#	Paper	IF	Citations
35	Direct Conversion of Human Fibroblasts to Induced Neurons. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2352, 73-96	1.4	0
34	One Big Step to a Neuron, Two Small Steps for miRNAs. <i>Cell Stem Cell</i> , <b>2021</b> , 28, 1-2	18	7
33	Metabolism navigates neural cell fate in development, aging and neurodegeneration. <i>DMM Disease Models and Mechanisms</i> , <b>2021</b> , 14,	4.1	1
32	Age-dependent instability of mature neuronal fate in induced neurons from Alzheimer's patients. <i>Cell Stem Cell</i> , <b>2021</b> , 28, 1533-1548.e6	18	22
31	When function follows form: Nuclear compartment structure and the epigenetic landscape of the aging neuron. <i>Experimental Gerontology</i> , <b>2020</b> , 133, 110876	4.5	6
30	Take the shortcut - direct conversion of somatic cells into induced neural stem cells and their biomedical applications. <i>FEBS Letters</i> , <b>2019</b> , 593, 3353-3369	3.8	13
29	Next-generation disease modeling with direct conversion: a new path to old neurons. <i>FEBS Letters</i> , <b>2019</b> , 593, 3316-3337	3.8	18
28	Chemical modulation of transcriptionally enriched signaling pathways to optimize the conversion of fibroblasts into neurons. <i>ELife</i> , <b>2019</b> , 8,	8.9	23
27	Author response: Chemical modulation of transcriptionally enriched signaling pathways to optimize the conversion of fibroblasts into neurons <b>2019</b> ,		2
26	Pathological priming causes developmental gene network heterochronicity in autistic subject-derived neurons. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 243-255	25.5	122
25	Human neurons to model aging: A dish best served old. <i>Drug Discovery Today: Disease Models</i> , <b>2018</b> , 27, 43-49	1.3	10
24	Tau Protein Disrupts Nucleocytoplasmic Transport in Alzheimer's Disease. <i>Neuron</i> , <b>2018</b> , 99, 925-940.e7	13.9	169
23	Aging in a Dish: iPSC-Derived and Directly Induced Neurons for Studying Brain Aging and Age-Related Neurodegenerative Diseases. <i>Annual Review of Genetics</i> , <b>2018</b> , 52, 271-293	14.5	113
22	Mitochondrial Aging Defects Emerge in Directly Reprogrammed Human Neurons due to Their Metabolic Profile. <i>Cell Reports</i> , <b>2018</b> , 23, 2550-2558	10.6	55
21	Nup153 Interacts with Sox2 to Enable Bimodal Gene Regulation and Maintenance of Neural Progenitor Cells. <i>Cell Stem Cell</i> , <b>2017</b> , 21, 618-634.e7	18	61
20	The different moods of human serotonergic neurons. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 3	15.1	1
19	Generation of functional human serotonergic neurons from fibroblasts. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 49-61	15.1	83

18	Metabolic reprogramming during neuronal differentiation from aerobic glycolysis to neuronal oxidative phosphorylation. <i>ELife</i> , <b>2016</b> , 5,	8.9	264
17	Author response: Metabolic reprogramming during neuronal differentiation from aerobic glycolysis to neuronal oxidative phosphorylation <b>2016</b> ,		4
16	Evaluating cell reprogramming, differentiation and conversion technologies in neuroscience. <i>Nature Reviews Neuroscience</i> , <b>2016</b> , 17, 424-37	13.5	169
15	The Pharmacogenomics of Bipolar Disorder study (PGBD): identification of genes for lithium response in a prospective sample. <i>BMC Psychiatry</i> , <b>2016</b> , 16, 129	4.2	42
14	Generating human serotonergic neurons in vitro: Methodological advances. <i>BioEssays</i> , <b>2016</b> , 38, 1123-1129	4.9	13
13	Alzheimer's disease: distinct stages in neurogenic decline?. <i>Biological Psychiatry</i> , <b>2015</b> , 77, 680-2	7.9	2
12	Neuronal medium that supports basic synaptic functions and activity of human neurons in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E2725-34	11.5	199
11	Differential responses to lithium in hyperexcitable neurons from patients with bipolar disorder. <i>Nature</i> , <b>2015</b> , 527, 95-9	50.4	315
10	Directly Reprogrammed Human Neurons Retain Aging-Associated Transcriptomic Signatures and Reveal Age-Related Nucleocytoplasmic Defects. <i>Cell Stem Cell</i> , <b>2015</b> , 17, 705-718	18	388
9	Modifiers of C9orf72 dipeptide repeat toxicity connect nucleocytoplasmic transport defects to FTD/ALS. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1226-9	25.5	411
8	Co-existence of intact stemness and priming of neural differentiation programs in mES cells lacking Trim71. <i>Scientific Reports</i> , <b>2015</b> , 5, 11126	4.9	24
7	Embryonic stem cell-based modeling of tau pathology in human neurons. <i>American Journal of Pathology</i> , <b>2013</b> , 182, 1769-79	5.8	28
6	APP processing in human pluripotent stem cell-derived neurons is resistant to NSAID-based $\beta$ -secretase modulation. <i>Stem Cell Reports</i> , <b>2013</b> , 1, 491-8	8	53
5	Human Pluripotent and Multipotent Stem Cells as Tools for Modeling Neurodegeneration. <i>Research and Perspectives in Neurosciences</i> , <b>2013</b> , 57-66		
4	Targeting the cytosolic innate immune receptors RIG-I and MDA5 effectively counteracts cancer cell heterogeneity in glioblastoma. <i>Stem Cells</i> , <b>2013</b> , 31, 1064-74	5.8	55
3	Small molecules enable highly efficient neuronal conversion of human fibroblasts. <i>Nature Methods</i> , <b>2012</b> , 9, 575-8	21.6	251
2	Presenilin-1 L166P mutant human pluripotent stem cell-derived neurons exhibit partial loss of $\beta$ -secretase activity in endogenous amyloid- $\beta$ generation. <i>American Journal of Pathology</i> , <b>2012</b> , 180, 2404-16	5.8	84
1	Excitation-induced ataxin-3 aggregation in neurons from patients with Machado-Joseph disease. <i>Nature</i> , <b>2011</b> , 480, 543-6	50.4	240

