

# Julien A Muffat

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

5,577  
citations

279798

23  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

9777  
citing authors

#	ARTICLE	IF	CITATIONS
1	A three-dimensional human neural cell culture model of Alzheimer's disease. <i>Nature</i> , 2014, 515, 274-278.	27.8	950
2	Human embryonic stem cells with biological and epigenetic characteristics similar to those of mouse ESCs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9222-9227.	7.1	755
3	Efficient derivation of microglia-like cells from human pluripotent stem cells. <i>Nature Medicine</i> , 2016, 22, 1358-1367.	30.7	486
4	Identification and Rescue of $\alpha$ -Synuclein Toxicity in Parkinson Patient-Derived Neurons. <i>Science</i> , 2013, 342, 983-987.	12.6	416
5	Derivation of Pre-X Inactivation Human Embryonic Stem Cells under Physiological Oxygen Concentrations. <i>Cell</i> , 2010, 141, 872-883.	28.9	367
6	Rescue of Fragile X Syndrome Neurons by DNA Methylation Editing of the FMR1 Gene. <i>Cell</i> , 2018, 172, 979-992.e6.	28.9	351
7	Induction of Expansion and Folding in Human Cerebral Organoids. <i>Cell Stem Cell</i> , 2017, 20, 385-396.e3.	11.1	346
8	Cytosolic $\beta$ -amyloid deposition and supranuclear cataracts in lenses from people with Alzheimer's disease. <i>Lancet, The</i> , 2003, 361, 1258-1265.	13.7	323
9	Global Transcriptional and Translational Repression in Human-Embryonic-Stem-Cell-Derived Rett Syndrome Neurons. <i>Cell Stem Cell</i> , 2013, 13, 446-458.	11.1	273
10	3-Hydroxykynurenine and 3-Hydroxyanthranilic Acid Generate Hydrogen Peroxide and Promote $\alpha$ -Crystallin Cross-Linking by Metal Ion Reduction. <i>Biochemistry</i> , 2000, 39, 7266-7275.	2.5	183
11	Surface-engineered substrates for improved human pluripotent stem cell culture under fully defined conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18714-18719.	7.1	137
12	Overexpression of a Drosophila Homolog of Apolipoprotein D Leads to Increased Stress Resistance and Extended Lifespan. <i>Current Biology</i> , 2006, 16, 674-679.	3.9	115
13	Control of Metabolic Homeostasis by Stress Signaling Is Mediated by the Lipocalin NLaz. <i>PLoS Genetics</i> , 2009, 5, e1000460.	3.5	110
14	Human induced pluripotent stem cell-derived glial cells and neural progenitors display divergent responses to Zika and dengue infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7117-7122.	7.1	107
15	ZFHX4 Interacts with the NuRD Core Member CHD4 and Regulates the Glioblastoma Tumor-Initiating Cell State. <i>Cell Reports</i> , 2014, 6, 313-324.	6.4	106
16	Hypersensitivity to oxygen and shortened lifespan in a Drosophila mitochondrial complex II mutant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16382-16387.	7.1	96
17	Genome-wide CRISPR screen for Zika virus resistance in human neural cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9527-9532.	7.1	91
18	Human ApoD, an apolipoprotein up-regulated in neurodegenerative diseases, extends lifespan and increases stress resistance in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7088-7093.	7.1	89

#	ARTICLE	IF	CITATIONS
19	Human physiometric model integrating microphysiological systems of the gut, liver, and brain for studies of neurodegenerative diseases. <i>Science Advances</i> , 2021, 7, .	10.3	73
20	Apolipoprotein D: An overview of its role in aging and age-related diseases. <i>Cell Cycle</i> , 2010, 9, 269-273.	2.6	53
21	Studying Human Neurodevelopment and Diseases Using 3D Brain Organoids. <i>Journal of Neuroscience</i> , 2020, 40, 1186-1193.	3.6	37
22	Microcephaly Modeling of Kinetochore Mutation Reveals a Brain-Specific Phenotype. <i>Cell Reports</i> , 2018, 25, 368-382.e5.	6.4	34
23	Emerging technologies to study glial cells. <i>Glia</i> , 2020, 68, 1692-1728.	4.9	32
24	CNS disease models with human pluripotent stem cells in the CRISPR age. <i>Current Opinion in Cell Biology</i> , 2016, 43, 96-103.	5.4	19
25	Modeling Developmental Brain Diseases Using Human Pluripotent Stem Cells-Derived Brain Organoids – Progress and Perspective. <i>Journal of Molecular Biology</i> , 2022, 434, 167386.	4.2	15
26	Modeling PTEN overexpression-induced microcephaly in human brain organoids. <i>Molecular Brain</i> , 2021, 14, 131.	2.6	12