Julien A Muffat

List of Publications by Year
in descending order

26 papers	5,577 citations	279487 23 h-index	552369 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 Alzheimerâ€™s disease. Nature, 2014, 515, 274-278.	13.7	950
2	Human embryonic stem cells with biological and epigenetic characteristics similar to those of mouse ESCs. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9222-9227.	3.3	755
3	Efficient derivation of microglia-like cells from human pluripotent stem cells. Nature Medicine, 2016, 22, 1358-1367.	15.2	486
4	Identification and Rescue of Î±-Synuclein Toxicity in Parkinson Patientâ€“Derived Neurons. Science, 2013, 342, 983-987.	6.0	416
5	Derivation of Pre-X Inactivation Human Embryonic Stem Cells under Physiological Oxygen Concentrations. Cell, 2010, 141, 872-883.	13.5	367
6	Rescue of Fragile X Syndrome Neurons by DNA Methylation Editing of the FMR1 Gene. Cell, 2018, 172, 979-992.e6.	13.5	351
7	Induction of Expansion and Folding in Human Cerebral Organoids. Cell Stem Cell, 2017, 20, 385-396.e3.	5.2	346
8	Cytosolic Î²-amyloid deposition and supranuclear cataracts in lenses from people with Alzheimer's disease. Lancet, The, 2003, 361, 1258-1265.	6.3	323
9	Global Transcriptional and Translational Repression in Human-Embryonic-Stem-Cell-Derived Rett Syndrome Neurons. Cell Stem Cell, 2013, 13, 446-458.	5.2	273
10	3-Hydroxykynurenine and 3-Hydroxyanthranilic Acid Generate Hydrogen Peroxide and Promote Î±-Crystallin Cross-Linking by Metal Ion Reductionâ€. Biochemistry, 2000, 39, 7266-7275.	1.2	183
11	Surface-engineered substrates for improved human pluripotent stem cell culture under fully defined conditions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18714-18719.	3.3	137
12	Overexpression of a Drosophila Homolog of Apolipoprotein D Leads to Increased Stress Resistance and Extended Lifespan. Current Biology, 2006, 16, 674-679.	1.8	115
13	Control of Metabolic Homeostasis by Stress Signaling Is Mediated by the Lipocalin NLaz. PLoS Genetics, 2009, 5, e1000460.	1.5	110
14	Human induced pluripotent stem cell-derived glial cells and neural progenitors display divergent responses to Zika and dengue infections. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7117-7122.	3.3	107
15	ZFHX4 Interacts with the NuRD Core Member CHD4 and Regulates the Glioblastoma Tumor-Initiating Cell State. Cell Reports, 2014, 6, 313-324.	2.9	106
16	Hypersensitivity to oxygen and shortened lifespan in a Drosophila mitochondrial complex II mutant. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16382-16387.	3.3	96
17	Genome-wide CRISPR screen for Zika virus resistance in human neural cells. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9527-9532.	3.3	91
18	Human ApoD, an apolipoprotein up-regulated in neurodegenerative diseases, extends lifespan and increases stress resistance in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7088-7093.	3.3	89

#	Article	IF	Citations
19	Human physiomimetic model integrating microphysiological systems of the gut, liver, and brain for studies of neurodegenerative diseases. Science Advances, 2021, 7, .	4.7	73
20	Apolipoprotein D: An overview of its role in aging and age-related diseases. Cell Cycle, 2010, 9, 269-273.	1.3	53
21	Studying Human Neurodevelopment and Diseases Using 3D Brain Organoids. Journal of Neuroscience, 2020, 40, 1186-1193.	1.7	37
22	Microcephaly Modeling of Kinetochore Mutation Reveals a Brain-Specific Phenotype. Cell Reports, 2018, 25, 368-382.e5.	2.9	34
23	Emerging technologies to study glial cells. Glia, 2020, 68, 1692-1728.	2.5	32
24	CNS disease models with human pluripotent stem cells in the CRISPR age. Current Opinion in Cell Biology, 2016, 43, 96-103.	2.6	19
25	Modeling Developmental Brain Diseases Using Human Pluripotent Stem Cells-Derived Brain Organoids â€“ Progress and Perspective. Journal of Molecular Biology, 2022, 434, 167386.	2.0	15
26	Modeling PTEN overexpression-induced microcephaly in human brain organoids. Molecular Brain, 2021, 14, 131.	1.3	12