Julien A Muffat

List of Publications by Year in descending order

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ΙΠΠΕΝ Δ ΜΠΕΕΛΤ

#	Article	IF	CITATIONS
1	Modeling Developmental Brain Diseases Using Human Pluripotent Stem Cells-Derived Brain Organoids – Progress and Perspective. Journal of Molecular Biology, 2022, 434, 167386.	4.2	15
2	Human physiomimetic model integrating microphysiological systems of the gut, liver, and brain for studies of neurodegenerative diseases. Science Advances, 2021, 7, .	10.3	73
3	Modeling PTEN overexpression-induced microcephaly in human brain organoids. Molecular Brain, 2021, 14, 131.	2.6	12
4	Emerging technologies to study glial cells. Glia, 2020, 68, 1692-1728.	4.9	32
5	Studying Human Neurodevelopment and Diseases Using 3D Brain Organoids. Journal of Neuroscience, 2020, 40, 1186-1193.	3.6	37
6	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.	7.1	91
7	Rescue of Fragile X Syndrome Neurons by DNA Methylation Editing of the FMR1 Gene. Cell, 2018, 172, 979-992.e6.	28.9	351
8	Microcephaly Modeling of Kinetochore Mutation Reveals a Brain-Specific Phenotype. Cell Reports, 2018, 25, 368-382.e5.	6.4	34
9	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.	7.1	107
10	Induction of Expansion and Folding in Human Cerebral Organoids. Cell Stem Cell, 2017, 20, 385-396.e3.	11.1	346
11	Efficient derivation of microglia-like cells from human pluripotent stem cells. Nature Medicine, 2016, 22, 1358-1367.	30.7	486
12	CNS disease models with human pluripotent stem cells in the CRISPR age. Current Opinion in Cell Biology, 2016, 43, 96-103.	5.4	19
13	A three-dimensional human neural cell culture model of Alzheimer's disease. Nature, 2014, 515, 274-278.	27.8	950
14	ZFHX4 Interacts with the NuRD Core Member CHD4 and Regulates the Glioblastoma Tumor-Initiating Cell State. Cell Reports, 2014, 6, 313-324.	6.4	106
15	Global Transcriptional and Translational Repression in Human-Embryonic-Stem-Cell-Derived Rett Syndrome Neurons. Cell Stem Cell, 2013, 13, 446-458.	11.1	273
16	Identification and Rescue of α-Synuclein Toxicity in Parkinson Patient–Derived Neurons. Science, 2013, 342, 983-987.	12.6	416
17	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.	7.1	137
18	Apolipoprotein D: An overview of its role in aging and age-related diseases. Cell Cycle, 2010, 9, 269-273.	2.6	53

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19	Derivation of Pre-X Inactivation Human Embryonic Stem Cells under Physiological Oxygen Concentrations. Cell, 2010, 141, 872-883.	28.9	367
20	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.	7.1	755
21	Control of Metabolic Homeostasis by Stress Signaling Is Mediated by the Lipocalin NLaz. PLoS Genetics, 2009, 5, e1000460.	3.5	110
22	Human ApoD, an apolipoprotein up-regulated in neurodegenerative diseases, extends lifespan and increases stress resistance in <i>Drosophila</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7088-7093.	7.1	89
23	Overexpression of a Drosophila Homolog of Apolipoprotein D Leads to Increased Stress Resistance and Extended Lifespan. Current Biology, 2006, 16, 674-679.	3.9	115
24	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.	7.1	96
25	Cytosolic β-amyloid deposition and supranuclear cataracts in lenses from people with Alzheimer's disease. Lancet, The, 2003, 361, 1258-1265.	13.7	323
26	3-Hydroxykynurenine and 3-Hydroxyanthranilic Acid Generate Hydrogen Peroxide and Promote α-Crystallin Cross-Linking by Metal Ion Reductionâ€. Biochemistry, 2000, 39, 7266-7275.	2.5	183