Isaac Canals

List of Publications by Year
in descending order

18 papers	389 citations	1040056 9 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	656 citing authors

#	Article	IF	Citations
1	Rapid and efficient induction of functional astrocytes from human pluripotent stem cells. Nature Methods, 2018, 15, 693-696.	19.0	146
2	Therapeutic strategies based on modified U1 snRNAs and chaperones for Sanfilippo C splicing mutations. Orphanet Journal of Rare Diseases, 2014, 9, 180.	2.7	42
3	Activity and High-Order Effective Connectivity Alterations in Sanfilippo C Patient-Specific Neuronal Networks. Stem Cell Reports, 2015, 5, 546-557.	4.8	31
4	EXTL2 and EXTL3 inhibition with siRNAs as a promising substrate reduction therapy for Sanfilippo C syndrome. Scientific Reports, 2015, 5, 13654.	3.3	24
5	Sanfilippo Syndrome: Molecular Basis, Disease Models and Therapeutic Approaches. International Journal of Molecular Sciences, 2020, 21, 7819.	4.1	23
6	Molecular analysis of Sanfilippo syndrome type C in Spain: seven novel HGSNAT mutations and characterization of the mutant alleles. Clinical Genetics, 2011, 80, 367-374.	2.0	21
7	Mitochondrial Dysfunction and Calcium Dysregulation in Leigh Syndrome Induced Pluripotent Stem Cell Derived Neurons. International Journal of Molecular Sciences, 2020, 21, 3191.	4.1	19
8	Serial magnetic resonance imaging and neurophysiological studies in multiple sulphatase deficiency. European Journal of Paediatric Neurology, 2008, 12, 190-194.	1.6	11
9	In Vitro Functional Characterization of Human Neurons and Astrocytes Using Calcium Imaging and Electrophysiology. Methods in Molecular Biology, 2019, 1919, 73-88.	0.9	11
10	Neuronal and Astrocytic Differentiation from Sanfilippo C Syndrome iPSCs for Disease Modeling and Drug Development. Journal of Clinical Medicine, 2020, 9, 644.	2.4	10
11	Transcription factor-based direct conversion of human fibroblasts to functional astrocytes. Stem Cell Reports, 2022, 17, 1620-1635.	4.8	10
12	Generation of two compound heterozygous HGSNAT-mutated lines from healthy induced pluripotent stem cells using CRISPR/Cas9 to model Sanfilippo C syndrome. Stem Cell Research, 2019, 41, 101616.	0.7	9
13	Pyruvate metabolism guides definitive lineage specification during hematopoietic emergence. EMBO Reports, 2022, 23, e54384.	4.5	9
14	Transcription Factor-Based Strategies to Generate Neural Cell Types from Human Pluripotent Stem Cells. Cellular Reprogramming, 2021, 23, 206-220.	0.9	7
15	Generation of two NAGLU-mutated homozygous cell lines from healthy induced pluripotent stem cells using CRISPR/Cas9 to model Sanfilippo B syndrome. Stem Cell Research, 2020, 42, 101668.	0.7	6
16	Transcription Factor Programming of Human Pluripotent Stem Cells to Functionally Mature Astrocytes for Monocultures and Cocultures with Neurons. Methods in Molecular Biology, 2021, 2352, 133-148.	0.9	5
17	CRISPR/Cas9 Genome Engineering in Human Pluripotent Stem Cells for Modeling of Neurological Disorders. Methods in Molecular Biology, 2021, 2352, 237-251.	0.9	2
18	Genome Editing Using Cas9-gRNA Ribonucleoprotein in Human Pluripotent Stem Cells for Disease Modeling. Methods in Molecular Biology, 2021, , 1.	0.9	0