# Isaac Canals

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3683312/publications.pdf

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| 18 | 389 | 1040056 | 839539 |
|---|---|---|---|
| papers | citations | 9 | 18 |
| | | h-index | g-index |

| 19 | 19 | 19 | 656 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pyruvate metabolism guides definitive lineage specification during hematopoietic emergence. EMBO Reports, 2022, 23, e54384. | 4.5 | 9 |
| 2 | Transcription factor-based direct conversion of human fibroblasts to functional astrocytes. Stem Cell Reports, 2022, 17, 1620-1635. | 4.8 | 10 |
| 3 | 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 |
| 4 | 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 |
| 5 | Transcription Factor-Based Strategies to Generate Neural Cell Types from Human Pluripotent Stem Cells. Cellular Reprogramming, 2021, 23, 206-220. | 0.9 | 7 |
| 6 | Genome Editing Using Cas9-gRNA Ribonucleoprotein in Human Pluripotent Stem Cells for Disease Modeling. Methods in Molecular Biology, 2021, , 1. | 0.9 | 0 |
| 7 | 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 |
| 8 | Sanfilippo Syndrome: Molecular Basis, Disease Models and Therapeutic Approaches. International Journal of Molecular Sciences, 2020, 21, 7819. | 4.1 | 23 |
| 9 | 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 |
| 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 | 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 |
| 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 | Rapid and efficient induction of functional astrocytes from human pluripotent stem cells. Nature Methods, 2018, 15, 693-696. | 19.0 | 146 |
| 14 | EXTL2 and EXTL3 inhibition with siRNAs as a promising substrate reduction therapy for Sanfilippo C syndrome. Scientific Reports, 2015, 5, 13654. | 3.3 | 24 |
| 15 | Activity and High-Order Effective Connectivity Alterations in Sanfilippo C Patient-Specific Neuronal Networks. Stem Cell Reports, 2015, 5, 546-557. | 4.8 | 31 |
| 16 | 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 |
| 17 | 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 |
| 18 | Serial magnetic resonance imaging and neurophysiological studies in multiple sulphatase deficiency. European Journal of Paediatric Neurology, 2008, 12, 190-194. | 1.6 | 11 |