

# Ruben Boon

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

2,185  
citations

516710

16  
h-index

526287

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

4686  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for an alternative fatty acid desaturation pathway increasing cancer plasticity. <i>Nature</i> , 2019, 566, 403-406.	27.8	326
2	Proline metabolism supports metastasis formation and could be inhibited to selectively target metastasizing cancer cells. <i>Nature Communications</i> , 2017, 8, 15267.	12.8	297
3	HDAC6 inhibition reverses axonal transport defects in motor neurons derived from FUS-ALS patients. <i>Nature Communications</i> , 2017, 8, 861.	12.8	275
4	Breast cancer cells rely on environmental pyruvate to shape the metastatic niche. <i>Nature</i> , 2019, 568, 117-121.	27.8	213
5	Generation of Hepatic Stellate Cells from Human Pluripotent Stem Cells Enables In Vitro Modeling of Liver Fibrosis. <i>Cell Stem Cell</i> , 2018, 23, 101-113.e7.	11.1	170
6	Relief of hypoxia by angiogenesis promotes neural stem cell differentiation by targeting glycolysis. <i>EMBO Journal</i> , 2016, 35, 924-941.	7.8	161
7	Efficient Recombinase-Mediated Cassette Exchange in hPSCs to Study the Hepatocyte Lineage Reveals AAVS1 Locus-Mediated Transgene Inhibition. <i>Stem Cell Reports</i> , 2015, 5, 918-931.	4.8	115
8	SOX10 Single Transcription Factor-Based Fast and Efficient Generation of Oligodendrocytes from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018, 10, 655-672.	4.8	81
9	Amino acid levels determine metabolism and CYP450 function of hepatocytes and hepatoma cell lines. <i>Nature Communications</i> , 2020, 11, 1393.	12.8	79
10	Nuclear metabolism and the regulation of the epigenome. <i>Nature Metabolism</i> , 2020, 2, 1190-1203.	11.9	66
11	Dual loss of succinate dehydrogenase (SDH) and complex I activity is necessary to recapitulate the metabolic phenotype of SDH mutant tumors. <i>Metabolic Engineering</i> , 2017, 43, 187-197.	7.0	64
12	Highly proliferative primitive fetal liver hematopoietic stem cells are fueled by oxidative metabolic pathways. <i>Stem Cell Research</i> , 2015, 15, 715-721.	0.7	59
13	Human stem cell-derived monocytes and microglia-like cells reveal impaired amyloid plaque clearance upon heterozygous or homozygous loss of TREM2. <i>Alzheimer's and Dementia</i> , 2019, 15, 453-464.	0.8	55
14	Stem cell-derived hepatocytes: A novel model for hepatitis E virus replication. <i>Journal of Hepatology</i> , 2016, 64, 565-573.	3.7	51
15	HDAC6 inhibition restores TDP43 pathology and axonal transport defects in human motor neurons with TARDBP mutations. <i>EMBO Journal</i> , 2021, 40, e106177.	7.8	51
16	PU.1 drives specification of pluripotent stem cell-derived endothelial cells to LSEC-like cells. <i>Cell Death and Disease</i> , 2021, 12, 84.	6.3	25
17	A fully defined matrix to support a pluripotent stem cell derived multi-cell-liver steatohepatitis and fibrosis model. <i>Biomaterials</i> , 2021, 276, 121006.	11.4	19
18	H3K27me3 Does Not Orchestrate the Expression of Lineage-Specific Markers in hESC-Derived Hepatocytes In Vitro. <i>Stem Cell Reports</i> , 2016, 7, 192-206.	4.8	18

#	ARTICLE	IF	CITATIONS
19	Metabolic Fuel for Epigenetic: Nuclear Production Meets Local Consumption. <i>Frontiers in Genetics</i> , 2021, 12, 768996.	2.3	18
20	A unique subset of glycolytic tumour-propagating cells drives squamous cell carcinoma. <i>Nature Metabolism</i> , 2021, 3, 182-195.	11.9	17
21	Systematic transcriptome-based comparison of cellular adaptive stress response activation networks in hepatic stem cell-derived progeny and primary human hepatocytes. <i>Toxicology in Vitro</i> , 2021, 73, 105107.	2.4	9
22	A Novel UPLC-MS Metabolomic Analysis-Based Strategy to Monitor the Course and Extent of iPSC Differentiation to Hepatocytes. <i>Journal of Proteome Research</i> , 2022, , .	3.7	3
23	Dynamic regulation of EZH2 from HPSc to hepatocyte-like cell fate. <i>PLoS ONE</i> , 2017, 12, e0186884.	2.5	2
24	Metabolically Improved Stem Cell Derived Hepatocyte-Like Cells Support HBV Life Cycle and Are a Promising Tool for HBV Studies and Antiviral Drug Screenings. <i>Biomedicines</i> , 2022, 10, 268.	3.2	2
25	Directed Differentiation of IPS Cells to Hepatic Stellate Cells. <i>Journal of Hepatology</i> , 2016, 64, S710.	3.7	1
26	Rapid and Efficient Generation of Recombinant Human Pluripotent Stem Cells by Recombinase-mediated Cassette Exchange in the <i>AAVS1</i> Locus. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	1
27	Creation of a stable and highly functional pluripotent stem cell derived hepatocyte model for drug metabolisation and toxicity screening. <i>Toxicology Letters</i> , 2018, 295, S78.	0.8	0