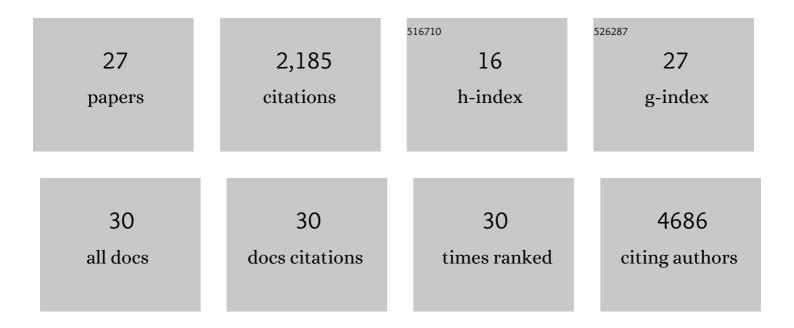
Ruben Boon

List of Publications by Year in descending order

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PUREN ROON

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

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#	Article	IF	CITATIONS
19	Metabolic Fuel for Epigenetic: Nuclear Production Meets Local Consumption. Frontiers in Genetics, 2021, 12, 768996.	2.3	18
20	A unique subset of glycolytic tumour-propagating cells drives squamous cell carcinoma. Nature Metabolism, 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. Toxicology in Vitro, 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. Journal of Proteome Research, 2022, , .	3.7	3
23	Dynamic regulation of EZH2 from HPSc to hepatocyte-like cell fate. PLoS ONE, 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. Biomedicines, 2022, 10, 268.	3.2	2
25	Directed Differentiation of IPS Cells to Hepatic Stellate Cells. Journal of Hepatology, 2016, 64, S710.	3.7	1
26	Rapid and Efficient Generation of Recombinant Human Pluripotent Stem Cells by Recombinase-mediated Cassette Exchange in the AAVS1 Locus. Journal of Visualized Experiments, 2016, , .	0.3	1
27	Creation of a stable and highly functional pluripotent stem cell derived hepatocyte model for drug metabolisation and toxicity screening. Toxicology Letters, 2018, 295, S78.	0.8	0