

Matthew E Thornton

List of Publications by Year in descending order

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38
papers

1,584
citations

394421

19
h-index

395702

33
g-index

38
all docs

38
docs citations

38
times ranked

2403
citing authors

#	ARTICLE	IF	CITATIONS
1	Conserved and Divergent Features of Mesenchymal Progenitor Cell Types within the Cortical Nephrogenic Niche of the Human and Mouse Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 806-824.	6.1	168
2	Conserved and Divergent Features of Human and Mouse Kidney Organogenesis. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 785-805.	6.1	165
3	Progressive Recruitment of Mesenchymal Progenitors Reveals a Time-Dependent Process of Cell Fate Acquisition in Mouse and Human Nephrogenesis. <i>Developmental Cell</i> , 2018, 45, 651-660.e4.	7.0	163
4	Conserved and Divergent Molecular and Anatomic Features of Human and Mouse Nephron Patterning. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 825-840.	6.1	107
5	Human lung branching morphogenesis is orchestrated by the spatiotemporal distribution of ACTA2, SOX2, and SOX9. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L144-L149.	2.9	105
6	Evidence for the involvement of Fibroblast Growth Factor 10 in lipofibroblast formation during embryonic lung development. <i>Development (Cambridge)</i> , 2015, 142, 4139-50.	2.5	100
7	Neural Crest Cell Implantation Restores Enteric Nervous System Function and Alters the Gastrointestinal Transcriptome in Human Tissue-Engineered Small Intestine. <i>Stem Cell Reports</i> , 2017, 9, 883-896.	4.8	100
8	Single-Cell Gene Expression Profiles Define Self-Renewing, Pluripotent, and Lineage Primed States of Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2014, 2, 881-895.	4.8	78
9	In Vivo Developmental Trajectories of Human Podocyte Inform In Vitro Differentiation of Pluripotent Stem Cell-Derived Podocytes. <i>Developmental Cell</i> , 2019, 50, 102-116.e6.	7.0	60
10	Discordant roles for FGF ligands in lung branching morphogenesis between human and mouse. <i>Journal of Pathology</i> , 2019, 247, 254-265.	4.5	55
11	Developmental stage-specific proliferation and retinoblastoma genesis in RB-deficient human but not mouse cone precursors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9391-E9400.	7.1	55
12	Generation of patterned kidney organoids that recapitulate the adult kidney collecting duct system from expandable ureteric bud progenitors. <i>Nature Communications</i> , 2021, 12, 3641.	12.8	54
13	Spatial transcriptional mapping of the human nephrogenic program. <i>Developmental Cell</i> , 2021, 56, 2381-2398.e6.	7.0	44
14	Zika Virus Infects Intermediate Progenitor Cells and Post-mitotic Committed Neurons in Human Fetal Brain Tissues. <i>Scientific Reports</i> , 2017, 7, 14883.	3.3	42
15	Structural Basis for Enhanced HIV-1 Neutralization by a Dimeric Immunoglobulin G Form of the Glycan-Recognizing Antibody 2G12. <i>Cell Reports</i> , 2013, 5, 1443-1455.	6.4	36
16	Rational Selection of CRISPR-Cas9 Guide RNAs for Homology-Directed Genome Editing. <i>Molecular Therapy</i> , 2021, 29, 1057-1069.	8.2	29
17	Functional Characterization of Friedreich Ataxia iPS-Derived Neuronal Progenitors and Their Integration in the Adult Brain. <i>PLoS ONE</i> , 2014, 9, e101718.	2.5	27
18	Short bowel syndrome results in increased gene expression associated with proliferation, inflammation, bile acid synthesis and immune system activation: RNA sequencing a zebrafish SBS model. <i>BMC Genomics</i> , 2017, 18, 23.	2.8	27

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19	Prolonged Absence of Mechanoluminal Stimulation in Human Intestine Alters the Transcriptome and Intestinal Stem Cell Niche. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017, 3, 367-388.e1.	4.5	22
20	Direct Isolation and Characterization of Human Nephron Progenitors. <i>Stem Cells Translational Medicine</i> , 2017, 6, 419-433.	3.3	22
21	SOX9+/PTF1A+ Cells Define the Tip Progenitor Cells of the Human Fetal Pancreas of the Second Trimester. <i>Stem Cells Translational Medicine</i> , 2019, 8, 1249-1264.	3.3	19
22	Rac1 modulates mammalian lung branching morphogenesis in part through canonical Wnt signaling. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L1036-L1049.	2.9	17
23	Cartilage rings contribute to the proper embryonic tracheal epithelial differentiation, metabolism, and expression of inflammatory genes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L196-L207.	2.9	12
24	Cellular Recruitment by Podocyte-Derived Pro-migratory Factors in Assembly of the Human Renal Filter. <i>IScience</i> , 2019, 20, 402-414.	4.1	11
25	Glomerular endothelial cell heterogeneity in Alport syndrome. <i>Scientific Reports</i> , 2020, 10, 11414.	3.3	9
26	Reciprocal Induction of MDM2 and MYCN in Neural and Neuroendocrine Cancers. <i>Frontiers in Oncology</i> , 2020, 10, 563156.	2.8	9
27	Abrogation of mesenchyme-specific TGF- β 2 signaling results in lung malformation with prenatal pulmonary cysts in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L1158-L1168.	2.9	9
28	Characterization and staging of outer plexiform layer development in human retina and retinal organoids. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	9
29	An immature, dedifferentiated, and lineage-deconstrained cone precursor origin of N-Myc-initiated retinoblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	8
30	Differential epithelial growth in tissue-engineered larynx and trachea generated from postnatal and fetal progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 510, 205-210.	2.1	7
31	Amniotic fluid levels of phospholipase A2 in fetal rats with retinoic acid induced myelomeningocele: the potential for second hit in neurologic damage. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016, 29, 3003-3008.	1.5	6
32	Robust RNA-Seq of aRNA-amplified single cell material collected by patch clamp. <i>Scientific Reports</i> , 2020, 10, 1979.	3.3	6
33	Amylase concentration and activity in the amniotic fluid of fetal rats with retinoic acid induced myelomeningocele. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, , 1-8.	1.5	3
34	Mechanoluminal Stimulation Upregulates Genes Involved in Inflammatory and Proliferative Processes in Human Intestine. <i>Journal of the American College of Surgeons</i> , 2016, 223, S88.	0.5	0
35	Short Bowel Syndrome Has Widespread Effects Beyond Altering Nutrient Absorption: RNA Sequencing a Zebrafish Short Bowel Syndrome Model. <i>Journal of the American College of Surgeons</i> , 2016, 223, e160.	0.5	0
36	PD35-02 ISOLATION OF NEPHRON PROGENITORS CELLS EXPRESSING SIX2/CITED1+ FROM HUMAN FETAL KIDNEYS AND AMNIOTIC FLUID. <i>Journal of Urology</i> , 2016, 195, .	0.4	0

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37	MP81-01 EFFECT OF INTEGRIN SIGNALING BLOCKADE ON SELF-RENEWAL AND DIFFERENTIATION OF HUMAN NEPHROGENIC PROGENITORS IN VITRO. <i>Journal of Urology</i> , 2018, 199, .	0.4	0
38	MP16-17 NOVEL INSIGHTS IN CANCER STEM CELL BIOLOGY: WILMS TUMOR AND HUMAN FETAL NEPHRON PROGENITORS. <i>Journal of Urology</i> , 2019, 201, .	0.4	0