

Anne Grapin-Botton

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,315
citations

201674

27
h-index

189892

50
g-index

54
all docs

54
docs citations

54
times ranked

4222
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Differentiation of hESC-Derived Pancreatic Progenitors by Using Human Fetal Pancreatic Mesenchymal Cells in a Microâ€scalable Three-Dimensional Co-culture System. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 360-377.	3.8	8
2	Epithelial morphogenesis in organoids. <i>Current Opinion in Genetics and Development</i> , 2022, 72, 30-37.	3.3	10
3	Stem cell-derived Î² cells go in monkeys. <i>Cell Stem Cell</i> , 2022, 29, 500-502.	11.1	2
4	Mapping and exploring the organoid state space using synthetic biology. <i>Seminars in Cell and Developmental Biology</i> , 2022, , .	5.0	3
5	Long-term feeder-free culture of human pancreatic progenitors on fibronectin or matrix-free polymer potentiates Î² cell differentiation. <i>Stem Cell Reports</i> , 2022, 17, 1215-1228.	4.8	11
6	Organoid Imaging: Seeing Development and Function. <i>Annual Review of Cell and Developmental Biology</i> , 2022, 38, 447-466.	9.4	11
7	Self-organization of organoids from endoderm-derived cells. <i>Journal of Molecular Medicine</i> , 2021, 99, 449-462.	3.9	11
8	Pancreas morphogenesis: Branching in and then out. <i>Current Topics in Developmental Biology</i> , 2021, 143, 75-110.	2.2	6
9	A 3D system to model human pancreas development and its reference single-cell transcriptome atlas identify signaling pathways required for progenitor expansion. <i>Nature Communications</i> , 2021, 12, 3144.	12.8	51
10	Nutrients men-TOR Î²-Cells to Adulthood. <i>Developmental Cell</i> , 2020, 54, 140-141.	7.0	2
11	Quantification of Visco-Elastic Properties of a Matrigel for Organoid Development as a Function of Polymer Concentration. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	18
12	Regeneration of the pancreas: proliferation and cellular conversion of surviving cells. <i>Current Opinion in Genetics and Development</i> , 2020, 64, 84-93.	3.3	4
13	Apical Restriction of the Planar Cell Polarity Component VANGL in Pancreatic Ducts Is Required to Maintain Epithelial Integrity. <i>Cell Reports</i> , 2020, 31, 107677.	6.4	16
14	Bromodomain and Extra Terminal Proteins Inhibitors Promote Pancreatic Endocrine Cell Fate. <i>Diabetes</i> , 2019, 68, db180224.	0.6	13
15	The EndoC-Î²H1 cell line is a valid model of human beta cells and applicable for screenings to identify novel drug target candidates. <i>Molecular Metabolism</i> , 2018, 8, 144-157.	6.5	110
16	Inhibiting RHOA Signaling in Mice Increases Glucose Tolerance and Numbers of Enteroendocrine and Other Secretory Cells in the Intestine. <i>Gastroenterology</i> , 2018, 155, 1164-1176.e2.	1.3	41
17	Deconstructing the principles of ductal network formation in the pancreas. <i>PLoS Biology</i> , 2018, 16, e2002842.	5.6	29
18	Understanding human fetal pancreas development using subpopulation sorting, RNA sequencing and single-cell profiling. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	78

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19	Recapitulating and Deciphering Human Pancreas Development From Human Pluripotent Stem Cells in a Dish. <i>Current Topics in Developmental Biology</i> , 2018, 129, 143-190.	2.2	41
20	The molecular and morphogenetic basis of pancreas organogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2017, 66, 51-68.	5.0	119
21	Parsing the Pancreas. <i>New England Journal of Medicine</i> , 2017, 376, 886-888.	27.0	3
22	The physics of organoids: a biophysical approach to understanding organogenesis. <i>Development (Cambridge)</i> , 2017, 144, 946-951.	2.5	55
23	Single-Cell Gene Expression Analysis of a Human ESC Model of Pancreatic Endocrine Development Reveals Different Paths to β -Cell Differentiation. <i>Stem Cell Reports</i> , 2017, 9, 1246-1261.	4.8	98
24	Stochastic priming and spatial cues orchestrate heterogeneous clonal contribution to mouse pancreas organogenesis. <i>Nature Communications</i> , 2017, 8, 605.	12.8	38
25	The Importance of REST for Development and Function of Beta Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 12.	3.7	22
26	Short-range growth inhibitory signals from the epithelium can drive non-stereotypic branching in the pancreas. <i>Physical Biology</i> , 2016, 13, 016007.	1.8	14
27	Bicaudal C1 promotes pancreatic NEUROG3+ endocrine progenitor differentiation and ductal morphogenesis. <i>Development (Cambridge)</i> , 2015, 142, 858-870.	2.5	20
28	REST represses a subset of the pancreatic endocrine differentiation program. <i>Developmental Biology</i> , 2015, 405, 316-327.	2.0	23
29	Cell Cycle-Dependent Differentiation Dynamics Balances Growth and Endocrine Differentiation in the Pancreas. <i>PLoS Biology</i> , 2015, 13, e1002111.	5.6	53
30	Pairing-up SOX to kick-start beta cell genesis. <i>Diabetologia</i> , 2015, 58, 859-861.	6.3	3
31	Concise Reviews: In Vitro-Produced Pancreas Organogenesis Models in Three Dimensions: Self-Organization From Few Stem Cells or Progenitors. <i>Stem Cells</i> , 2015, 33, 8-14.	3.2	14
32	Dominant and context-specific control of endodermal organ allocation by Ptf1a. <i>Development (Cambridge)</i> , 2014, 141, 4385-4394.	2.5	21
33	In Vitro Pancreas Organogenesis from Dispersed Mouse Embryonic Progenitors. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	20
34	Artificial three-dimensional niches deconstruct pancreas development <i>in vitro</i> . <i>Development (Cambridge)</i> , 2013, 140, 4452-4462.	2.5	233
35	Notch-mediated post-translational control of Ngn3 protein stability regulates pancreatic patterning and cell fate commitment. <i>Developmental Biology</i> , 2013, 376, 1-12.	2.0	47
36	The histone demethylase Jmjd3 sequentially associates with the transcription factors Tbx3 and Eomes to drive endoderm differentiation. <i>EMBO Journal</i> , 2013, 32, 1393-1408.	7.8	94

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37	A Notch-dependent molecular circuitry initiates pancreatic endocrine and ductal cell differentiation. <i>Development (Cambridge)</i> , 2012, 139, 2488-2499.	2.5	200
38	Planar Cell Polarity Controls Pancreatic Beta Cell Differentiation and Glucose Homeostasis. <i>Cell Reports</i> , 2012, 2, 1593-1606.	6.4	82
39	RNA Profiling and Chromatin Immunoprecipitation-Sequencing Reveal that PTF1a Stabilizes Pancreas Progenitor Identity via the Control of MNX1/HLXB9 and a Network of Other Transcription Factors. <i>Molecular and Cellular Biology</i> , 2012, 32, 1189-1199.	2.3	51
40	Two mutations in human BICC1 resulting in Wnt pathway hyperactivity associated with cystic renal dysplasia. <i>Human Mutation</i> , 2012, 33, 86-90.	2.5	63
41	Neurogenin3 initiates stepwise delamination of differentiating endocrine cells during pancreas development. <i>Developmental Dynamics</i> , 2011, 240, 589-604.	1.8	131
42	Retinoic Acid Signaling Organizes Endodermal Organ Specification along the Entire Antero-Posterior Axis. <i>PLoS ONE</i> , 2009, 4, e5845.	2.5	99
43	Temporal Control of Neurogenin3 Activity in Pancreas Progenitors Reveals Competence Windows for the Generation of Different Endocrine Cell Types. <i>Developmental Cell</i> , 2007, 12, 457-465.	7.0	300
44	Evolution of the mechanisms and molecular control of endoderm formation. <i>Mechanisms of Development</i> , 2007, 124, 253-278.	1.7	75
45	FGF signaling is necessary for establishing gut tube domains along the anterior-posterior axis in vivo. <i>Mechanisms of Development</i> , 2006, 123, 42-55.	1.7	162
46	Pancreas-Specific Deletion of β -Catenin Reveals Wnt-Dependent and Wnt-Independent Functions during Development. <i>Current Biology</i> , 2005, 15, 1677-1683.	3.9	156
47	Ductal cells of the pancreas. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 504-510.	2.8	77
48	Signals from lateral plate mesoderm instruct endoderm toward a pancreatic fate. <i>Developmental Biology</i> , 2003, 259, 109-122.	2.0	222
49	Endoderm development: from patterning to organogenesis. <i>Trends in Genetics</i> , 2000, 16, 124-130.	6.7	237
50	The expression pattern of the <i>mafB/kr</i> gene in birds and mice reveals that the kreisler phenotype does not represent a null mutant. <i>Mechanisms of Development</i> , 1997, 65, 111-122.	1.7	104