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List of Publications by Year
in descending order

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55 papers	13,268 citations	87888 38 h-index	155660 55 g-index
61 all docs	61 docs citations	61 times ranked	16095 citing authors

#	Article	IF	Citations
1	Organoid Models of Human and Mouse Ductal Pancreatic Cancer. Cell, 2015, 160, 324-338.	28.9	1,584
2	Lgr5+ve Stem Cells Drive Self-Renewal in the Stomach and Build Long-Lived Gastric Units In Vitro. Cell Stem Cell, 2010, 6, 25-36.	11.1	1,315
3	In vitro expansion of single Lgr5+ liver stem cells induced by Wnt-driven regeneration. Nature, 2013, 494, 247-250.	27.8	1,239
4	Long-Term Culture of Genome-Stable Bipotent Stem Cells from Adult Human Liver. Cell, 2015, 160, 299-312.	28.9	1,166
5	Human primary liver cancerâ€“derived organoid cultures for disease modeling and drug screening. Nature Medicine, 2017, 23, 1424-1435.	30.7	905
6	Tissue-specific mutation accumulation in human adult stem cells during life. Nature, 2016, 538, 260-264.	27.8	759
7	InÂVitro Expansion of Human Gastric Epithelial Stem Cells and Their Responses to Bacterial Infection. Gastroenterology, 2015, 148, 126-136.e6.	1.3	595
8	Unlimited in vitro expansion of adult bi-potent pancreas progenitors through the Lgr5/R-spondin axis. EMBO Journal, 2013, 32, 2708-2721.	7.8	562
9	Culture and establishment of self-renewing human and mouse adult liver and pancreas 3D organoids and their genetic manipulation. Nature Protocols, 2016, 11, 1724-1743.	12.0	527
10	Differentiated Troy+ Chief Cells Act as Reserve Stem Cells to Generate All Lineages of the Stomach Epithelium. Cell, 2013, 155, 357-368.	28.9	445
11	Modeling mouse and human development using organoid cultures. Development (Cambridge), 2015, 142, 3113-3125.	2.5	386
12	Genome sequencing of normal cells reveals developmental lineages and mutational processes. Nature, 2014, 513, 422-425.	27.8	315
13	The hope and the hype of organoid research. Development (Cambridge), 2017, 144, 938-941.	2.5	303
14	Controlled gene expression in primary Lgr5 organoid cultures. Nature Methods, 2012, 9, 81-83.	19.0	295
15	Disease modelling in human organoids. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	254
16	Liver organoids: from basic research to therapeutic applications. Gut, 2019, 68, 2228-2237.	12.1	222
17	Diabetes Risk Gene and Wnt Effector Tcf7l2/TCF4 Controls Hepatic Response to Perinatal and Adult Metabolic Demand. Cell, 2012, 151, 1595-1607.	28.9	202
18	Lgr5+ve Stem/Progenitor Cells Contribute to Nephron Formation during Kidney Development. Cell Reports, 2012, 2, 540-552.	6.4	196

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19	The balancing act of the liver: tissue regeneration versus fibrosis. Journal of Clinical Investigation, 2018, 128, 85-96.	8.2	148
20	Building consensus on definition and nomenclature of hepatic, pancreatic, and biliary organoids. Cell Stem Cell, 2021, 28, 816-832.	11.1	133
21	Over-expression of Plk4 induces centrosome amplification, loss of primary cilia and associated tissue hyperplasia in the mouse. Open Biology, 2015, 5, 150209.	3.6	130
22	Liver regeneration and inflammation: from fundamental science to clinical applications. Nature Reviews Molecular Cell Biology, 2021, 22, 608-624.	37.0	122
23	Expansion of Adult Human Pancreatic Tissue Yields Organoids Harboring Progenitor Cells with Endocrine Differentiation Potential. Stem Cell Reports, 2018, 10, 712-724.	4.8	106
24	Stem cells and cancer of the stomach and intestine. Molecular Oncology, 2010, 4, 373-384.	4.6	105
25	Epigenetic remodelling licences adult cholangiocytes for organoid formation and liver regeneration. Nature Cell Biology, 2019, 21, 1321-1333.	10.3	102
26	Mouse Model of Alagille Syndrome and Mechanisms of Jagged1 Missense Mutations. Gastroenterology, 2018, 154, 1080-1095.	1.3	92
27	Disease Modeling and Gene Therapy of Copper Storage Disease in Canine Hepatic Organoids. Stem Cell Reports, 2015, 5, 895-907.	4.8	84
28	Long-Term Adult Feline Liver Organoid Cultures for Disease Modeling ofÂHepatic Steatosis. Stem Cell Reports, 2017, 8, 822-830.	4.8	82
29	Lgr5⁺ liver stem cells, hepatic organoids and regenerative medicine. Regenerative Medicine, 2013, 8, 385-387.	1.7	77
30	Multi-site Neurogenin3 Phosphorylation Controls Pancreatic Endocrine Differentiation. Developmental Cell, 2017, 41, 274-286.e5.	7.0	67
31	Long-term expansion, genomic stability and in vivo safety of adult human pancreas organoids. BMC Developmental Biology, 2020, 20, 4.	2.1	67
32	Organoids from adult liver and pancreas: Stem cell biology and biomedical utility. Developmental Biology, 2016, 420, 251-261.	2.0	55
33	Long-term live imaging and multiscale analysis identify heterogeneity and core principles of epithelial organoid morphogenesis. BMC Biology, 2021, 19, 37.	3.8	54
34	Lgr5+ stem/progenitor cells reside at the apex of a heterogeneous embryonic hepatoblast pool. Development (Cambridge), 2019, 146, .	2.5	51
35	Application of human liver organoids as a patient-derived primary model for HBV infection and related hepatocellular carcinoma. ELife, 2021, 10, .	6.0	51
36	Generation and characterization of rat liver stem cell lines and their engraftment in a rat model of liver failure. Scientific Reports, 2016, 6, 22154.	3.3	50

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37	Liver organoids reproduce alpha-1 antitrypsin deficiency-related liver disease. Hepatology International, 2020, 14, 127-137.	4.2	44
38	The plastic cellular states of liver cells: Are EpCAM and Lgr5 fit for purpose?. Hepatology, 2016, 64, 652-662.	7.3	40
39	Universality of clone dynamics during tissue development. Nature Physics, 2018, 14, 469-474.	16.7	37
40	Fasting improves therapeutic response in hepatocellular carcinoma through p53-dependent metabolic synergism. Science Advances, 2022, 8, eabh2635.	10.3	35
41	Urokinase-Type Plasminogen Activator Receptor Transcriptionally Controlled Adenoviruses Eradicate Pancreatic Tumors and Liver Metastasis in Mouse Models. Neoplasia, 2009, 11, 518-IN6.	5.3	31
42	Dynamic cell contacts between periportal mesenchyme and ductal epithelium act as a rheostat for liver cell proliferation. Cell Stem Cell, 2021, 28, 1907-1921.e8.	11.1	30
43	RNF43/ZNRF3 loss predisposes to hepatocellular-carcinoma by impairing liver regeneration and altering theÂliver lipid metabolic ground-state. Nature Communications, 2022, 13, 334.	12.8	28
44	Dual Targeting of G9a and DNA Methyltransferaseâ€1 for the Treatment of Experimental Cholangiocarcinoma. Hepatology, 2021, 73, 2380-2396.	7.3	26
45	The plastic liver: differentiated cells, stem cells, every cell?. Journal of Clinical Investigation, 2014, 124, 5099-5102.	8.2	24
46	Neurogenin3 phosphorylation controls reprogramming efficiency of pancreatic ductal organoids into endocrine cells. Scientific Reports, 2018, 8, 15374.	3.3	18
47	Cellular plasticity in the adult liver and stomach. Journal of Physiology, 2016, 594, 4815-4825.	2.9	17
48	Chromosomal abnormalities in hepatic cysts point to novel polycystic liver disease genes. European Journal of Human Genetics, 2016, 24, 1707-1714.	2.8	14
49	Organoids, Where We Stand and Where We Go. Trends in Molecular Medicine, 2021, 27, 416-418.	6.7	14
50	Tumours build their niche. Nature, 2017, 545, 292-293.	27.8	12
51	The versatile and plastic liver. Nature, 2015, 517, 155-156.	27.8	10
52	Organoids: A new in vitro model system for biomedical science and disease modelling and promising source for cell-based transplantation. Developmental Biology, 2016, 420, 197-198.	2.0	10
53	Hepatobiliary tumor organoids for personalized medicine: a multicenter view on establishment, limitations, and future directions. Cancer Cell, 2022, 40, 226-230.	16.8	10
54	Building stomach in a dish. Nature Cell Biology, 2015, 17, 966-967.	10.3	4

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55	Voices of biotech research. Nature Biotechnology, 2021, 39, 281-286.	17.5	3