Stuart Forbes

List of Publications by Year
in descending order

135 papers	15,499 citations	23500 58 h-index	17546 121 g-index
152 all docs	152 docs citations	152 times ranked	16906 citing authors

#	Article	IF	Citations
1	Selective depletion of macrophages reveals distinct, opposing roles during liver injury and repair. Journal of Clinical Investigation, 2005, 115, 56-65.	3.9	1,237
2	Cholangiocarcinoma: current knowledge and future perspectives consensus statement from the European Network for the Study of Cholangiocarcinoma (ENS-CCA). Nature Reviews Gastroenterology and Hepatology, 2016, 13, 261-280.	8.2	964
3	Selective depletion of macrophages reveals distinct, opposing roles during liver injury and repair. Journal of Clinical Investigation, 2005, 115, 56-65.	3.9	845
4	Differential Ly-6C expression identifies the recruited macrophage phenotype, which orchestrates the regression of murine liver fibrosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3186-95.	3.3	793
5	Macrophage-derived Wnt opposes Notch signaling to specify hepatic progenitor cell fate in chronic liver disease. Nature Medicine, 2012, 18, 572-579.	15.2	624
6	The Bone Marrow Functionally Contributes to Liver Fibrosis. Gastroenterology, 2006, 130, 1807-1821.	0.6	467
7	Preparing the ground for tissue regeneration: from mechanism to therapy. Nature Medicine, 2014, 20, 857-869.	15.2	461
8	A significant proportion of myofibroblasts are of bone marrow origin in human liver fibrosisâ˜†. Gastroenterology, 2004, 126, 955-963.	0.6	405
9	Cholangiocytes act as facultative liver stem cells during impaired hepatocyte regeneration. Nature, 2017, 547, 350-354.	13.7	405
10	Highly efficient differentiation of hESCs to functional hepatic endoderm requires ActivinA and Wnt3a signaling. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12301-12306.	3.3	392
11	Generation of functional human hepatic endoderm from human induced pluripotent stem cells. Hepatology, 2010, 51, 329-335.	3.6	389
12	Ly6C^{hi}Monocytes Direct Alternatively Activated Profibrotic Macrophage Regulation of Lung Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 569-581.	2.5	383
13	Hepatic progenitor cells of biliary origin with liver repopulation capacity. Nature Cell Biology, 2015, 17, 971-983.	4.6	374
14	Macrophage therapy for murine liver fibrosis recruits host effector cells improving fibrosis, regeneration, and function. Hepatology, 2011, 53, 2003-2015.	3.6	278
15	Liver regeneration â€” mechanisms and models to clinical application. Nature Reviews Gastroenterology and Hepatology, 2016, 13, 473-485.	8.2	278
16	Links Between Hepatic Fibrosis, Ductular Reaction, and Progenitor Cell Expansion. Gastroenterology, 2014, 146, 349-356.	0.6	256
17	The RSPOâ€“LGR4/5â€“ZNRF3/RNF43 module controls liver zonation and size. Nature Cell Biology, 2016, 18, 467-479.	4.6	253
18	Cell therapy for liver disease: From liver transplantation to cell factory. Journal of Hepatology, 2015, 62, S157-S169.	1.8	242

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19	Multiple Organ Engraftment by Bone-Marrow-Derived Myofibroblasts and Fibroblasts in Bone-Marrow-Transplanted Mice. Stem Cells, 2003, 21, 514-520.	1.4	232
20	Bone marrow derivation of pericryptal myofibroblasts in the mouse and human small intestine and colon. Gut, 2002, 50, 752-757.	6.1	223
21	WNT signaling drives cholangiocarcinoma growth and can be pharmacologically inhibited. Journal of Clinical Investigation, 2015, 125, 1269-1285.	3.9	215
22	An introduction to stem cells. Journal of Pathology, 2002, 197, 419-423.	2.1	209
23	Hepatic stem cells. Journal of Pathology, 2002, 197, 510-518.	2.1	166
24	TGFÎ² inhibition restores a regenerative response in acute liver injury by suppressing paracrine senescence. Science Translational Medicine, 2018, 10, .	5.8	161
25	Elastin accumulation is regulated at the level of degradation by macrophage metalloelastase (MMP-12) during experimental liver fibrosis. Hepatology, 2012, 55, 1965-1975.	3.6	158
26	CSF1 Restores Innate Immunity After Liver Injury in Mice andÂSerum Levels Indicate Outcomes of Patients With AcuteÂLiver Failure. Gastroenterology, 2015, 149, 1896-1909.e14.	0.6	156
27	Activation of stem cells in hepatic diseases. Cell and Tissue Research, 2008, 331, 283-300.	1.5	155
28	Characterisation of a stereotypical cellular and extracellular adult liver progenitor cell niche in rodents and diseased human liver. Gut, 2010, 59, 645-654.	6.1	151
29	Raman spectroscopy and regenerative medicine: a review. Npj Regenerative Medicine, 2017, 2, 12.	2.5	147
30	Bone marrow injection stimulates hepatic ductular reactions in the absence of injury via macrophage-mediated TWEAK signaling. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6542-6547.	3.3	140
31	Building consensus on definition and nomenclature of hepatic, pancreatic, and biliary organoids. Cell Stem Cell, 2021, 28, 816-832.	5.2	133
32	The sources of parenchymal regeneration after chronic hepatocellular liver injury in mice. Hepatology, 2006, 43, 316-324.	3.6	132
33	Bone marrow stem cells and liver disease. Gut, 2007, 56, 716-724.	6.1	126
34	Recombinant Laminins Drive the Differentiation and Self-Organization of hESC-Derived Hepatocytes. Stem Cell Reports, 2015, 5, 1250-1262.	2.3	123
35	Liver regeneration and inflammation: from fundamental science to clinical applications. Nature Reviews Molecular Cell Biology, 2021, 22, 608-624.	16.1	122
36	Safety profile of autologous macrophage therapy for liver cirrhosis. Nature Medicine, 2019, 25, 1560-1565.	15.2	121

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37	Granulocyte colony-stimulating factor and autologous CD133-positive stem-cell therapy in liver cirrhosis (REALISTIC): an open-label, randomised, controlled phase 2 trial. The Lancet Gastroenterology and Hepatology, 2018, 3, 25-36.	3.7	113
38	Cell Lineage Tracing Reveals a Biliary Origin of Intrahepatic Cholangiocarcinoma. Cancer Research, 2014, 74, 1005-1010.	0.4	106
39	Paracrine cellular senescence exacerbates biliary injury and impairs regeneration. Nature Communications, 2018, 9, 1020.	5.8	105
40	Epigenetic remodelling licences adult cholangiocytes for organoid formation and liver regeneration. Nature Cell Biology, 2019, 21, 1321-1333.	4.6	102
41	Hepatocyteâ€Specific Î²â€Catenin Deletion During Severe Liver Injury Provokes Cholangiocytes to Differentiate Into Hepatocytes. Hepatology, 2019, 69, 742-759.	3.6	102
42	Mesenchymal Stem Cells and Induced Bone Marrow-Derived Macrophages Synergistically Improve Liver Fibrosis in Mice. Stem Cells Translational Medicine, 2019, 8, 271-284.	1.6	102
43	Differentiation of progenitors in the liver: a matter of local choice. Journal of Clinical Investigation, 2013, 123, 1867-1873.	3.9	100
44	Liver fibrogenic cells. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2011, 25, 207-217.	1.0	99
45	Interleukin-13 Activates Distinct Cellular Pathways Leading to Ductular Reaction, Steatosis, and Fibrosis. Immunity, 2016, 45, 145-158.	6.6	98
46	Alternatively activated macrophages promote resolution of necrosis following acute liver injury. Journal of Hepatology, 2020, 73, 349-360.	1.8	97
47	Unbiased screening of polymer libraries to define novel substrates for functional hepatocytes with inducible drug metabolism. Stem Cell Research, 2011, 6, 92-102.	0.3	95
48	Remodelling of extracellular matrix is a requirement for the hepatic progenitor cell response. Gut, 2011, 60, 525-533.	6.1	91
49	3D human liver tissue from pluripotent stem cells displays stable phenotype in vitro and supports compromised liver function in vivo. Archives of Toxicology, 2018, 92, 3117-3129.	1.9	89
50	New horizons for stem cell therapy in liver disease. Journal of Hepatology, 2012, 56, 496-499.	1.8	88
51	An Orally Active Galectin-3 Antagonist Inhibits Lung Adenocarcinoma Growth and Augments Response to PD-L1 Blockade. Cancer Research, 2019, 79, 1480-1492.	0.4	87
52	Cellular senescence inhibits renal regeneration after injury in mice, with senolytic treatment promoting repair. Science Translational Medicine, 2021, 13, .	5.8	83
53	Wnt signalling modulates transcribed-ultraconserved regions in hepatobiliary cancers. Gut, 2017, 66, 1268-1277.	6.1	75
54	The STAT3â€"IL-10â€"IL-6 Pathway Is a Novel Regulator of Macrophage Efferocytosis and Phenotypic Conversion in Sterile Liver Injury. Journal of Immunology, 2018, 200, 1169-1187.	0.4	74

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55	Epithelial Plasticity during Liver Injury and Regeneration. Cell Stem Cell, 2020, 27, 557-573.	5.2	72
56	Blended electrospinning with human liver extracellular matrix for engineering new hepatic microenvironments. Scientific Reports, 2019, 9, 6293.	1.6	71
57	Notch3 drives development and progression of cholangiocarcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12250-12255.	3.3	68
58	Cell therapy for advanced liver diseases: Repair or rebuild. Journal of Hepatology, 2021, 74, 185-199.	1.8	63
59	Regional Differences in Human Biliary Tissues and Corresponding In Vitroâ€"Derived Organoids. Hepatology, 2021, 73, 247-267.	3.6	61
60	Recruited macrophages that colonize the post-inflammatory peritoneal niche convert into functionally divergent resident cells. Nature Communications, 2021, 12, 1770.	5.8	58
61	Liver Development, Regeneration, and Carcinogenesis. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-8.	3.0	57
62	Systematic review: the effects of autologous stem cell therapy for patients with liver disease. Alimentary Pharmacology and Therapeutics, 2014, 39, 673-685.	1.9	56
63	Stem cells and liver repair. Current Opinion in Biotechnology, 2009, 20, 568-574.	3.3	52
64	Downregulation of TGR5 (GPBAR1) in biliary epithelial cells contributes to the pathogenesis of sclerosing cholangitis. Journal of Hepatology, 2021, 75, 634-646.	1.8	51
65	Phenotypic and functional characterization of macrophages with therapeutic potential generated from human cirrhotic monocytes in a cohort study. Cytotherapy, 2015, 17, 1604-1616.	0.3	50
66	Galectin-3 regulates hepatic progenitor cell expansion during liver injury. Gut, 2015, 64, 312-321.	6.1	48
67	Vasopressin Regulates Extracellular Vesicle Uptake by Kidney Collecting Duct Cells. Journal of the American Society of Nephrology: JASN, 2016, 27, 3345-3355.	3.0	48
68	Functionalized superparamagnetic iron oxide nanoparticles provide highly efficient iron-labeling in macrophages for magnetic resonanceâ€"based detection in vivo. Cytotherapy, 2017, 19, 555-569.	0.3	44
69	Expansion, in vivoâ€"ex vivo cycling, and genetic manipulation of primary human hepatocytes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1678-1688.	3.3	41
70	Polysialic acid/neural cell adhesion molecule modulates the formation of ductular reactions in liver injury. Hepatology, 2014, 60, 1727-1740.	3.6	40
71	Peribiliary Gland Niche Participates in Biliary Tree Regeneration in Mouse and in Human Primary Sclerosing Cholangitis. Hepatology, 2020, 71, 972-989.	3.6	40
72	TWEAK/Fn14 signalling promotes cholangiocarcinoma niche formation and progression. Journal of Hepatology, 2021, 74, 860-872.	1.8	40

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73	Injection of embryonic stem cell derived macrophages ameliorates fibrosis in a murine model of liver injury. Npj Regenerative Medicine, 2017, 2, 14.	2.5	39
74	Reducing Hepatocyte Injury and Necrosis in Response to Paracetamol Using Noncoding RNAs. Stem Cells Translational Medicine, 2016, 5, 764-772.	1.6	36
75	GADD45Î² Loss Ablates Innate Immunosuppression in Cancer. Cancer Research, 2018, 78, 1275-1292.	0.4	33
76	Development, functional characterization and validation of methodology for GMP-compliant manufacture of phagocytic macrophages: A novel cellular therapeutic for liver cirrhosis. Cytotherapy, 2017, 19, 1113-1124.	0.3	32
77	TFEB regulates murine liver cell fate during development and regeneration. Nature Communications, 2020, 11, 2461.	5.8	32
78	Combination of G-CSF and a TLR4 inhibitor reduce inflammation and promote regeneration in a mouse model of ACLF. Journal of Hepatology, 2022, 77, 1325-1338.	1.8	31
79	Retroviral gene transfer to the liver in vivo during tri-iodothyronine induced hyperplasia. Gene Therapy, 1998, 5, 552-555.	2.3	30
80	Modulation of Biliary Cancer Chemoâ€Resistance Through MicroRNAâ€Mediated Rewiring of the Expansion of CD133+ Cells. Hepatology, 2020, 72, 982-996.	3.6	30
81	Pharmacological Activation of Nrf2 Enhances Functional Liver Regeneration. Hepatology, 2021, 74, 973-986.	3.6	29
82	REpeated AutoLogous Infusions of STem cells In Cirrhosis (REALISTIC): a multicentre, phase II, open-label, randomised controlled trial of repeated autologous infusions of granulocyte colony-stimulating factor (GCSF) mobilised CD133+ bone marrow stem cells in patients with cirrhosis. A study protocol for a randomised controlled trial. BMJ Open, 2015, 5, e007700-e007700.	0.8	28
83	Macrophages as a Cell-Based Therapy for Liver Disease. Seminars in Liver Disease, 2019, 39, 442-451.	1.8	27
84	Stem cell therapy for chronic liver disease choosing the right tools for the job. Gut, 2008, 57, 153-155.	6.1	26
85	Cellular Senescence in Liver Disease and Regeneration. Seminars in Liver Disease, 2021, 41, 050-066.	1.8	26
86	Proteinase Activated Receptor 1 Mediated Fibrosis in a Mouse Model of Liver Injury: A Role for Bone Marrow Derived Macrophages. PLoS ONE, 2014, 9, e86241.	1.1	25
87	A blueprint for translational regenerative medicine. Science Translational Medicine, 2020, 12, .	5.8	24
88	Synergistic growth factors enhance rat liver proliferation and enable retroviral gene transfer via a peripheral vein. Gastroenterology, 2000, 118, 591-598.	0.6	22
89	The Challenges of First-in-Human Stem Cell Clinical Trials: What Does This Mean for Ethics and Institutional Review Boards?. Stem Cell Reports, 2018, 10, 1429-1431.	2.3	22
90	11Betaâ€hydroxysteroid dehydrogenaseâ€1 deficiency or inhibition enhances hepatic myofibroblast activation in murine liver fibrosis. Hepatology, 2018, 67, 2167-2181.	3.6	21

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91	Hypoxia shapes the immune landscape in lung injury and promotes the persistence of inflammation. Nature Immunology, 2022, 23, 927-939.	7.0	21
92	Polymer Supported Directed Differentiation Reveals a Unique Gene Signature Predicting Stable Hepatocyte Performance. Advanced Healthcare Materials, 2015, 4, 1820-1825.	3.9	20
93	Embryonic mesothelial-derived hepatic lineage of quiescent and heterogenous scar-orchestrating cells defined but suppressed by WT1. Nature Communications, 2019, 10, 4688.	5.8	19
94	Human biliary epithelial cells from discarded donor livers rescue bile duct structure and function in a mouse model of biliary disease. Cell Stem Cell, 2022, 29, 355-371.e10.	5.2	19
95	Side population (SP) cells: Taking center stage in regeneration and liver cancer?. Hepatology, 2006, 44, 23-26.	3.6	18
96	Side population cells in developing human liver are primarily haematopoietic progenitor cells. Experimental Cell Research, 2009, 315, 2141-2153.	1.2	18
97	Patients with the worst outcomes after paracetamol (acetaminophen)â€induced liver failure have an early monocytopenia. Alimentary Pharmacology and Therapeutics, 2017, 45, 443-454.	1.9	18
98	Notch-IGF1 signaling during liver regeneration drives biliary epithelial cell expansion and inhibits hepatocyte differentiation. Science Signaling, 2021, 14, .	1.6	17
99	Two Fresh Streams to Fill the Liverâ€™s Hepatocyte Pool. Cell Stem Cell, 2015, 17, 377-378.	5.2	15
100	Tri-iodothyronine and a deleted form of hepatocyte growth factor act synergistically to enhance liver proliferation and enable in vivo retroviral gene transfer via the peripheral venous system. Gene Therapy, 2000, 7, 784-789.	2.3	14
101	Knocking on the door to successful hepatocyte transplantation. Nature Reviews Gastroenterology and Hepatology, 2014, 11, 277-278.	8.2	14
102	Phenotype instability of hepatocyte-like cells produced by direct reprogramming of mesenchymal stromal cells. Stem Cell Research and Therapy, 2020, 11, 154.	2.4	14
103	Inhibition of nuclear factor (erythroid-derived 2)-like 2 promotes hepatic progenitor cell activation and differentiation. Npj Regenerative Medicine, 2021, 6, 28.	2.5	14
104	Study protocol: a multicentre, open-label, parallel-group, phase 2, randomised controlled trial of autologous macrophage therapy for liver cirrhosis (MATCH). BMJ Open, 2021, 11, e053190.	0.8	14
105	Bone marrow contributions to fibrosis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 955-961.	1.8	13
106	Practical Barriers to Delivering Autologous Bone Marrow Stem Cell Therapy as an Adjunct to Liver Resection. Stem Cells and Development, 2010, 19, 155-162.	1.1	12
107	Fibroblast growth factor 7 releasing particles enhance islet engraftment and improve metabolic control following islet transplantation in mice with diabetes. American Journal of Transplantation, 2021, 21, 2950-2963.	2.6	12
108	Understanding liver regeneration to bring new insights to the mechanisms driving cholangiocarcinoma. Npj Regenerative Medicine, 2017, 2, 13.	2.5	10

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109	Controlling Electrospun Polymer Morphology for Tissue Engineering Demonstrated Using hepG2 Cell Line. Journal of Visualized Experiments, 2020, , .	0.2	10
110	Absolute measurement of the tissue origins of cell-free DNA in the healthy state and following paracetamol overdose. BMC Medical Genomics, 2020, 13, 60.	0.7	10
111	Hepatic progenitors in liver regeneration. Journal of Hepatology, 2018, 69, 1394-1395.	1.8	9
112	Dimethyl fumarate reduces hepatocyte senescence following paracetamol exposure. IScience, 2021, 24, 102552.	1.9	9
113	Cell origin and niche availability dictate the capacity of peritoneal macrophages to colonize the cavity and omentum. Immunology, 2022, 166, 458-474.	2.0	9
114	Response differences of HepG2 and Primary Mouse Hepatocytes to morphological changes in electrospun PCL scaffolds. Scientific Reports, 2021, 11, 3059.	1.6	8
115	KrÃ¼ppel-Like Factor 4 Overexpression Initiates a Mesenchymal-to-Epithelial Transition and Redifferentiation of Human Pancreatic Cells following Expansion in Long Term Adherent Culture. PLoS ONE, 2015, 10, e0140352.	1.1	8
116	Cellular Plasticity in Liver Regeneration: Spotlight on Cholangiocytes. Hepatology, 2019, 69, 2286-2289.	3.6	7
117	Noninvasive Detection of Ischemic Vascular Damage in a Pig Model of Liver Donation After Circulatory Death. Hepatology, 2021, 74, 428-443.	3.6	7
118	Recent advances in stem cells and regenerative medicine. QJM - Monthly Journal of the Association of Physicians, 2014, 107, 251-252.	0.2	6
119	Deletion of kif3a in CK19 positive cells leads to primary cilia loss, biliary cell proliferation and cystic liver lesions in TAA-treated mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166335.	1.8	5
120	Myelomonocytic cells are sufficient for therapeutic cell fusion in the liver. Journal of Hepatology, 2005, 42, 285-286.	1.8	4
121	Organoid cultures boost human liver cell expansion. Hepatology, 2015, 62, 1635-1637.	3.6	4
122	Studies of macrophage therapy for cirrhosis â€" From mice to men. Journal of Hepatology, 2018, 68, 1090-1091.	1.8	3
123	Beneficial Noncancerous Mutations in Liver Disease. Trends in Genetics, 2019, 35, 475-477.	2.9	3
124	Biliary-derived hepatocytes in chronic liver injury: Bringing new troops to the battlefield?. Journal of Hepatology, 2019, 70, 1051-1053.	1.8	3
125	SUMOylation of HNF4Î± regulates protein stability and hepatocyte function. Journal of Cell Science, 2012, 125, 4686-4686.	1.2	2
126	Quantifying changes in innate immune function following liver transplantation for chronic liver disease. Hpb, 2019, 21, 1322-1326.	0.1	2

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127	Isolation and expansion of the hepatic progenitor cell (HPC) population. Protocol Exchange, 0, , .	0.3	2
128	Polyurethane: Stable Cell Phenotype Requires Plasticity: Polymer Supported Directed Differentiation Reveals a Unique Gene Signature Predicting Stable Hepatocyte Performance (Adv. Healthcare Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	1
129	Milk Fat Globule-EGF Factor 8 for Liver Fibrosis Therapy: Creaming Off the Beneficial Effects of Mesenchymal StromalÂCells. Gastroenterology, 2017, 152, 943-946.	0.6	1
130	Telomerase Activity Links to Regenerative Capacity of Hepatocytes. Transplantation, 2018, 102, 1587-1588.	0.5	1
131	Stem Cells and Hepatocyte Transplantation. , 2018, , 84-97.e3.		1
132	Haematopoietic stem cells in cirrhosis â€" Authors' reply. The Lancet Gastroenterology and Hepatology, 2018, 3, 298-299.	3.7	0
133	OTH-10â€…Therapeutic interleukin 4 modulates monocyte dynamics and accelerates repair following acute liver injury. , 2019, , .		0
134	REPLY:. Hepatology, 2021, 74, 2310-2311.	3.6	0
135	Clinical Studies of Cell Therapy for Liver Cirrhosis. , 2013, , 233-243.		0