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Hepatocyte transplantation: State of the art and strategies for overcoming existing hurdles

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#	Paper	IF	Citations
54	Establishment of highly differentiated immortalized human hepatocyte line with simian virus 40 large tumor antigen for liver based cell therapy. <i>ASAIO Journal</i> , 2005 , 51, 262-8	3.6	39
53	Extracellular matrix-enriched polymeric scaffolds as a substrate for hepatocyte cultures: in vitro and in vivo studies. <i>Biomaterials</i> , 2005 , 26, 7038-45	15.6	64
52	Prevention of bleeding after islet transplantation: lessons learned from a multivariate analysis of 132 cases at a single institution. <i>American Journal of Transplantation</i> , 2005 , 5, 2992-8	8.7	114
51	Human hepatocyte transplantation for acute liver failure: state of the art and analysis of cell sources. <i>Transplantation Proceedings</i> , 2005 , 37, 2702-4	1.1	23
50	Pediatric liver transplantation. <i>Clinics in Liver Disease</i> , 2006 , 10, 169-97, vii	4.6	8
49	Hepatocyte transplantation in an acute liver failure due to mushroom poisoning. <i>Transplantation</i> , 2006 , 82, 1115-6	1.8	69
48	Cryopreserved fetal liver cell transplants support the chronic failing liver in rats with CCl4-induced cirrhosis. <i>Cell Transplantation</i> , 2006 , 15, 23-33	4	11
47	Growth and metabolism of human hepatocytes on biomodified collagen poly(lactic-co-glycolic acid) three-dimensional scaffold. <i>ASAIO Journal</i> , 2006 , 52, 321-7	3.6	27
46	Liver Transplantation in Children. 975-994		1
45	Artificial cells in liver disease. 2007 , 222-235		
44	Pluripotent marker expression and differentiation of human second trimester Mesenchymal Stem Cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 362, 491-7	3.4	28
43	Functional integration of hepatocytes derived from human mesenchymal stem cells into mouse livers. <i>Gut</i> , 2007 , 56, 405-15	19.2	231
42	Hepatocyte differentiation of mesenchymal stem cells from rat peritoneal adipose tissue in vitro and in vivo. <i>Experimental Cell Research</i> , 2007 , 313, 2875-86	4.2	161
41	In vitro hepatic differentiation of human umbilical cord blood and bone marrow cells. <i>Pediatric Hematology and Oncology</i> , 2008 , 25, 481-91	1.7	10
40	In vivo imaging of transplanted hepatocytes with a 1.5-T clinical MRI system--initial experience in mice. <i>European Radiology</i> , 2008 , 18, 59-69	8	13
39	Experimental hepatology applied to stem cells. <i>Digestive and Liver Disease</i> , 2008 , 40, 54-61	3.3	8
38	Cell-based therapies for metabolic liver disease. <i>Molecular Genetics and Metabolism</i> , 2008 , 95, 3-10	3.7	59

37	Purification of fetal liver stem/progenitor cells containing all the repopulation potential for normal adult rat liver. <i>Gastroenterology</i> , 2008 , 134, 823-32	13.3	118
36	Hepatocyte differentiation of mesenchymal stem cells from human adipose tissue in vitro promotes hepatic integration in vivo. <i>Gut</i> , 2009 , 58, 570-81	19.2	257
35	Improved survival of fulminant liver failure by transplantation of microencapsulated cryopreserved porcine hepatocytes in mice. <i>Cell Transplantation</i> , 2009 , 18, 101-10	4	71
34	MRI of iron-oxide labelled transplanted hepatocytes in mice: effect of treatment with cyclophosphamide. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 32, 367-75	5.6	5
33	The generation of hepatocytes from mesenchymal stem cells and engraftment into murine liver. <i>Nature Protocols</i> , 2010 , 5, 617-27	18.8	95
32	The generation of hepatocytes from mesenchymal stem cells and engraftment into the liver. <i>Current Opinion in Organ Transplantation</i> , 2011 , 16, 69-75	2.5	21
31	In vivo hepatic differentiation potential of human cord blood-derived mesenchymal stem cells. <i>International Journal of Molecular Medicine</i> , 2011 , 27, 701-6	4.4	17
30	Transplantation of encapsulated hepatocytes during acute liver failure improves survival without stimulating native liver regeneration. <i>Cell Transplantation</i> , 2011 , 20, 1791-803	4	46
29	Feasibility of orthotopic fetal liver transplantation: an experimental study. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2012 , 11, 143-7	2.1	
28	Novel developmental biology-based protocol of embryonic stem cell differentiation to morphologically sound and functional yet immature hepatocytes. <i>Liver International</i> , 2012 , 32, 732-41	7.9	13
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13	Degradable hydrogels derived from PEG-diacrylamide for hepatic tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 3331-8	5.4	49
12	Hepatocyte cell therapy in liver disease. <i>Expert Review of Gastroenterology and Hepatology</i> , 2015 , 9, 1261-72	1.72	16
11	Isolation and characterization of mesenchymal stem cells from caprine umbilical cord tissue matrix. <i>Tissue and Cell</i> , 2016 , 48, 653-658	2.7	14
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