Eva Schmelzer

List of Publications by Citations

48 papers	2,218 citations	19 h-index	47 g-index
49 ext. papers	2,396 ext. citations	3.9 avg, IF	4.52 L-index

#	Paper	IF	Citations
48	Human hepatic stem cells from fetal and postnatal donors. *Journal of Experimental Medicine*, **2007**, 204, 1973-87	16.6	480
47	The phenotypes of pluripotent human hepatic progenitors. *Stem Cells*, **2006**, 24, 1852-8	5.8	287
46	New hepatocyte in vitro systems for drug metabolism: metabolic capacity and recommendations for application in basic research and drug development, standard operation procedures. *Drug Metabolism Reviews*, **2003**, 35, 145-213	7	222
45	Multilineage differentiation potential of human dermal skin-derived fibroblasts. *Experimental Dermatology*, **2008**, 17, 925-32	4	195
44	Hedgehog signaling maintains resident hepatic progenitors throughout life. *American Journal of Physiology - Renal Physiology*, **2006**, 290, G859-70	5.1	167
43	EpCAM and the biology of hepatic stem/progenitor cells. *American Journal of Physiology - Renal Physiology*, **2015**, 308, G233-50	5.1	81
42	EpCAM expression in normal, non-pathological tissues. *Frontiers in Bioscience - Landmark*, **2008**, 13, 3096-3100	2.8	80
41	Three-dimensional perfusion bioreactor culture supports differentiation of human fetal liver cells. *Tissue Engineering - Part A*, **2010**, 16, 2007-16	3.9	60
40	Efficient human fetal liver cell isolation protocol based on vascular perfusion for liver cell-based therapy and case report on cell transplantation. *Liver Transplantation*, **2012**, 18, 226-37	4.5	58
39	Human hepatoblast phenotype maintained by hyaluronan hydrogels. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2007**, 82, 156-68	3.5	52
38	Perivascular mesenchymal progenitors in human fetal and adult liver. *Stem Cells and Development*, **2012**, 21, 3258-69	4.4	44
37	Hepatic stem cells and hepatoblasts: identification, isolation, and ex vivo maintenance. *Methods in Cell Biology*, **2008**, 86, 137-225	1.8	43
36	Compartmental hollow fiber capillary membrane-based bioreactor technology for in vitro studies on red blood cell lineage direction of hematopoietic stem cells. *Tissue Engineering - Part C: Methods*, **2012**, 18, 133-42	2.9	38
35	Phases I-II Matched Case-Control Study of Human Fetal Liver Cell Transplantation for Treatment of Chronic Liver Disease. *Cell Transplantation*, **2015**, 24, 1627-38	4	37
34	Effect of human patient plasma ex vivo treatment on gene expression and progenitor cell activation of primary human liver cells in multi-compartment 3D perfusion bioreactors for extra-corporeal liver support. *Biotechnology and Bioengineering*, **2009**, 103, 817-27	4.9	36
33	Dynamic 3D culture promotes spontaneous embryonic stem cell differentiation in vitro. *Tissue Engineering - Part C: Methods*, **2010**, 16, 115-21	2.9	29
32	Characterization of Human Mesenchymal Stem Cells from Different Tissues and Their Membrane Encasement for Prospective Transplantation Therapies. *BioMed Research International*, **2019**, 2019, 6376271	3	28

31	Ex vivo conditions for self-replication of human hepatic stem cells. *Tissue Engineering - Part C: Methods*, **2008**, 14, 341-51	2.9	24
30	Gel entrapment culture of rat hepatocytes for investigation of tetracycline-induced toxicity. *Toxicology and Applied Pharmacology*, **2009**, 238, 178-87	4.6	20
29	Interwoven four-compartment capillary membrane technology for three-dimensional perfusion with decentralized mass exchange to scale up embryonic stem cell culture. *Cells Tissues Organs*, **2010**, 192, 39-49	2.1	19
28	Lidocaine/monoethylglycinexylidide test, galactose elimination test, and sorbitol elimination test for metabolic assessment of liver cell bioreactors. *Artificial Organs*, **2010**, 34, 462-72	2.6	19
27	Thrombopoietin is a growth factor for rat hepatic progenitors. *European Journal of Gastroenterology and Hepatology*, **2008**, 20, 209-16	2.2	19
26	Long-term three-dimensional perfusion culture of human adult bone marrow mononuclear cells in bioreactors. *Biotechnology and Bioengineering*, **2015**, 112, 801-10	4.9	16
25	In vitro keratinocyte expansion for cell transplantation therapy is associated with differentiation and loss of basal layer derived progenitor population. *Differentiation*, **2015**, 89, 137-45	3.5	15
24	Induction of Hepatic and Endothelial Differentiation by Perfusion in a Three-Dimensional Cell Culture Model of Human Fetal Liver. *Tissue Engineering - Part C: Methods*, **2015**, 21, 705-15	2.9	14
23	Human telomerase activity, telomerase and telomeric template expression in hepatic stem cells and in livers from fetal and postnatal donors. *European Journal of Gastroenterology and Hepatology*, **2009**, 21, 1191-8	2.2	14
22	Response of Primary Human Bone Marrow Mesenchymal Stromal Cells and Dermal Keratinocytes to Thermal Printer Materials In Vitro. *Journal of Medical and Biological Engineering*, **2016**, 36, 153-167	2.2	12
21	Transplantation of hepatocytes from genetically engineered pigs into baboons. *Xenotransplantation*, **2017**, 24, e12289	2.8	11
20	Experimental hepatocyte xenotransplantation--a comprehensive review of the literature. *Xenotransplantation*, **2015**, 22, 239-48	2.8	11
19	Comparative study of the production of soluble factors in human placenta-derived mesenchymal stromal/stem cells grown in adherent conditions or as aggregates in a catheter-like device. *Biochemical and Biophysical Research Communications*, **2020**, 522, 171-176	3.4	11
18	Epithelial cell adhesion molecule fragments and signaling in primary human liver cells. *Journal of Cellular Physiology*, **2018**, 233, 4841-4851	7	10
17	Hepatic progenitors of the fetal liver: Interactions with hematopoietic stem cells. *Differentiation*, **2019**, 106, 9-14	3.5	8
16	Conditioned Medium from Human Amnion-Derived Mesenchymal Stromal/Stem Cells Attenuating the Effects of Cold Ischemia-Reperfusion Injury in an In Vitro Model Using Human Alveolar Epithelial Cells. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	7
15	Tissue Engineering and Regenerative Medicine Therapies for Cell Senescence in Bone and Cartilage. *Tissue Engineering - Part B: Reviews*, **2020**, 26, 64-78	7.9	6
14	A microstructural study of the degradation and calcium release from hydroxyapatite-calcium oxide ceramics made by infiltration. *Materials Science and Engineering C*, **2017**, 73, 684-691	8.3	5

13	Effects of Delta-Like Noncanonical Notch Ligand 1 Expression of Human Fetal Liver Hepatoblasts on Hematopoietic Progenitors. *Stem Cells International*, **2019**, 2019, 7916275	5	5
12	Isolation and Characterization of a Human Fetal Mesenchymal Stem Cell Population: Exploring the Potential for Cell Banking in Wound Healing Therapies. *Cell Transplantation*, **2019**, 28, 1404-1419	4	5
11	Phenotypical characterization of 6-21-week gestational age human dermis and epidermal cell isolation methods for in vitro studies on epidermal progenitors. *Burns*, **2013**, 39, 300-10	2.3	5
10	Open-Porous Hydroxyapatite Scaffolds for Three-Dimensional Culture of Human Adult Liver Cells. *BioMed Research International*, **2016**, 2016, 6040146	3	5
9	Effects of Mesenchymal Stem Cell Coculture on Human Lung Small Airway Epithelial Cells. *BioMed Research International*, **2020**, 2020, 9847579	3	5
8	Effect of Calcium-Infiltrated Hydroxyapatite Scaffolds on the Hematopoietic Fate of Human Umbilical Vein Endothelial Cells. *Journal of Vascular Research*, **2017**, 54, 376-385	1.9	4
7	Role of transcription factor CCAAT/enhancer-binding protein alpha in human fetal liver cell types in vitro. *Hepatology Research*, **2015**, 45, 919-32	5.1	3
6	The degradation behavior of calcium-rich hydroxyapatite foams in vitro. *Journal of Biomedical Materials Research - Part A*, **2021**, 109, 859-868	5.4	2
5	Characterization of CD326-positive human hepatic stem cells. *Clinical and Experimental Hepatology*, **2021**, 7, 101-110	2.2	2
4	Response of Human Fetal Liver Progenitor Cell Types to Temperature and pH Stresses In Vitro. *Rejuvenation Research*, **2018**, 21, 257-269	2.6	1
3	Calcium-Infiltrated Biphasic Hydroxyapatite Scaffolds for Human Hematopoietic Stem Cell Culture. *Tissue Engineering - Part A*, **2018**, 24, 1563-1573	3.9	1
2	Telomerase activity and regulation in human liver stem cells. *FASEB Journal*, **2006**, 20, A884	0.9	1
1	Multicompartmental Hollow-Fiber-Based Bioreactors for Dynamic Three-Dimensional Perfusion Culture. *Methods in Molecular Biology*, **2016**, 1502, 1-19	1.4	1