

Mouse liver repopulation with hepatocytes generated from

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Bioartificial livers<i>in vitro</i>and<i>in vivo</i>: tailoring biocomponents to the expanding variety of applications. Expert Opinion on Biological Therapy, 2014, 14, 1745-1760.	1.4	39
2	New Methods in Tissue Engineering: Improved Models for Viral Infection. Annual Review of Virology, 2014, 1, 475-499.	3.0	23
3	Chemical approaches to cell reprogramming. Current Opinion in Genetics and Development, 2014, 28, 50-56.	1.5	46
4	Functional Characteristics of Reversibly Immortalized Hepatic Progenitor Cells Derived from Mouse Embryonic Liver. Cellular Physiology and Biochemistry, 2014, 34, 1318-1338.	1.1	54
5	Extensive double humanization of both liver and hematopoiesis in FRGN mice. Stem Cell Research, 2014, 13, 404-412.	0.3	123
6	Knocking on the door to successful hepatocyte transplantation. Nature Reviews Gastroenterology and Hepatology, 2014, 11, 277-278.	8.2	14
7	Regenerative Cell Therapy for Corneal Endothelium. Current Ophthalmology Reports, 2014, 2, 81-90.	0.5	27
8	Cell and tissue engineering for liver disease. Science Translational Medicine, 2014, 6, 245sr2.	5.8	247
9	Cell therapy to remove excess copper in Wilson's disease. Annals of the New York Academy of Sciences, 2014, 1315, 70-80.	1.8	32
10	Modeling host interactions with hepatitis B virus using primary and induced pluripotent stem cell-derived hepatocellular systems. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12193-12198.	3.3	220
11	Fumarylacetoacetate hydrolase deficient pigs are a novel large animal model of metabolic liver disease. Stem Cell Research, 2014, 13, 144-153.	0.3	59
12	Shortcut Route for Generation of Functional Hepatocyte Cells from Human Skin Allogeneically for Autologous Treatment of Chronic Liver Diseases. Journal of Clinical and Experimental Hepatology, 2014, 4, 74-78.	0.4	3
13	Stem/Progenitor Cells in Liver Development, Homeostasis, Regeneration, and Reprogramming. Cell Stem Cell, 2014, 14, 561-574.	5.2	463
14	Artificial Liver. Clinical Gastroenterology and Hepatology, 2014, 12, 1439-1442.	2.4	14
15	Reviews and Perspectives. Canadian Journal of Psychiatry, 2014, 59, 1-2.	0.9	5
16	Generation of integration-free induced hepatocyte-like cells from mouse fibroblasts. Scientific Reports, 2015, 5, 15706.	1.6	23
17	Human hepatic stem cells transplanted into a fulminant hepatic failure Alb-TRECK/SCID mouse model exhibit liver reconstitution and drug metabolism capabilities. Stem Cell Research and Therapy, 2015, 6, 49.	2.4	21
18	Direct reprogramming of somatic cells: an update. Biomedical Research and Therapy, 2015, 2, .	0.3	2

#	ARTICLE	IF	CITATIONS
19	Potential of human induced pluripotent stem cells in studies of liver disease. <i>Hepatology</i> , 2015, 62, 303-311.	3.6	42
20	Microbialâ€derived lithocholic acid and vitamin K2 drive the metabolic maturation of pluripotent stem cellsâ€derived and fetal hepatocytes. <i>Hepatology</i> , 2015, 62, 265-278.	3.6	76
21	Direct Induction of Neural Stem Cells from Somatic Cells. , 2015, , 103-106.		0
22	Two Effective Routes for Removing Lineage Restriction Roadblocks: From Somatic Cells to Hepatocytes. <i>International Journal of Molecular Sciences</i> , 2015, 16, 20873-20895.	1.8	4
23	Development and characterization of human-induced pluripotent stem cell-derived cholangiocytes. <i>Laboratory Investigation</i> , 2015, 95, 684-696.	1.7	66
24	Repairing organs: lessons from intestine and liver. <i>Trends in Genetics</i> , 2015, 31, 344-351.	2.9	27
25	Ascorbic acid promotes the direct conversion of mouse fibroblasts into beating cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 699-705.	1.0	28
26	Reprogramming fibroblasts toward cardiomyocytes, neural stem cells and hepatocytes by cell activation and signaling-directed lineage conversion. <i>Nature Protocols</i> , 2015, 10, 959-973.	5.5	46
27	Enhancing the functional maturity of induced pluripotent stem cellâ€derived human hepatocytes by controlled presentation of cellâ€cell interactions in vitro. <i>Hepatology</i> , 2015, 61, 1370-1381.	3.6	171
28	Hepatic Progenitor Cell Transplantation. , 2015, , 279-299.		0
29	Current progress in xenotransplantation and organ bioengineering. <i>International Journal of Surgery</i> , 2015, 13, 239-244.	1.1	24
30	Microengineered Liver Tissues for Drug Testing. <i>Journal of the Association for Laboratory Automation</i> , 2015, 20, 216-250.	2.8	92
31	Tissue Engineering and Regenerative Medicine in Basic Research: A Year in Review of 2014. <i>Tissue Engineering - Part B: Reviews</i> , 2015, 21, 167-176.	2.5	12
32	Direct Lineage Reprogramming: Strategies, Mechanisms, and Applications. <i>Cell Stem Cell</i> , 2015, 16, 119-134.	5.2	350
34	Concise Review: Cell Therapies for Hereditary Metabolic Liver Diseasesâ€Concepts, Clinical Results, and Future Developments. <i>Stem Cells</i> , 2015, 33, 1055-1062.	1.4	34
35	Tissue Engineering and Regenerative Medicine in Applied Research: A Year in Review of 2014. <i>Tissue Engineering - Part B: Reviews</i> , 2015, 21, 177-186.	2.5	17
36	Noninvasive 3â€dimensional imaging of liver regeneration in a mouse model of hereditary tyrosinemia type 1 using the sodium iodide symporter gene. <i>Liver Transplantation</i> , 2015, 21, 442-453.	1.3	20
37	Transient acquisition of pluripotency during somatic cell transdifferentiation with iPSC reprogramming factors. <i>Nature Biotechnology</i> , 2015, 33, 769-774.	9.4	124

#	ARTICLE	IF	CITATIONS
38	Integrative Analyses of Human Reprogramming Reveal Dynamic Nature of Induced Pluripotency. <i>Cell</i> , 2015, 162, 412-424.	13.5	206
39	Lineage conversion induced by pluripotency factors involves transient passage through an iPSC stage. <i>Nature Biotechnology</i> , 2015, 33, 761-768.	9.4	100
40	Regulation of hepatocyte identity and quiescence. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 3831-3851.	2.4	38
41	Cell therapy for liver diseases: current medicine and future promises. <i>Expert Review of Gastroenterology and Hepatology</i> , 2015, 9, 837-850.	1.4	1
42	Cell therapy for liver disease: From liver transplantation to cell factory. <i>Journal of Hepatology</i> , 2015, 62, S157-S169.	1.8	242
43	New Tools in Experimental Cellular Therapy for the Treatment of Liver Diseases. <i>Current Transplantation Reports</i> , 2015, 2, 202-210.	0.9	12
44	Dynamic Pluripotent Stem Cell States and Their Applications. <i>Cell Stem Cell</i> , 2015, 17, 509-525.	5.2	133
45	Transcription factor-mediated reprogramming of fibroblasts to hepatocyte-like cells. <i>European Journal of Cell Biology</i> , 2015, 94, 603-610.	1.6	21
46	Hepatic progenitor cells up their game in the therapeutic stakes. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2015, 12, 610-611.	8.2	4
47	Mouse Models of Hepatitis B Virus Pathogenesis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a021477.	2.9	23
48	Bioengineering for Organ Transplantation: Progress and Challenges. <i>Bioengineered</i> , 2015, 6, 257-261.	1.4	28
49	Human stem cell-based disease modeling: prospects and challenges. <i>Current Opinion in Cell Biology</i> , 2015, 37, 84-90.	2.6	31
50	Innovative Medicine. , 2015, , .		17
51	MicroRNA-199a-5p inhibition enhances the liver repopulation ability of human embryonic stem cell-derived hepatic cells. <i>Journal of Hepatology</i> , 2015, 62, 101-110.	1.8	35
52	Sustained inhibition of hepatitis B virus replication in vivo using RNAi-activating lentiviruses. <i>Gene Therapy</i> , 2015, 22, 163-171.	2.3	27
53	Reprogramming of mesenchymal stem cells by oncogenes. <i>Seminars in Cancer Biology</i> , 2015, 32, 18-31.	4.3	17
54	Efficient genetic manipulation of the NOD-Rag1-/-IL2RgammaC-null mouse by combining in vitro fertilization and CRISPR/Cas9 technology. <i>Scientific Reports</i> , 2014, 4, 5290.	1.6	58
55	From whole body to cellular models of hepatic triglyceride metabolism: man has got to know his limitations. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E1-E20.	1.8	30

#	ARTICLE	IF	CITATIONS
56	Novel strategies for liver therapy using stem cells. <i>Gut</i> , 2015, 64, 1-4.	6.1	42
57	Cell sources for regenerative medicine of the liver and endoderm organs: strategies and perspectives. <i>Stem Cell Investigation</i> , 2016, 3, 91-91.	1.3	2
58	<i>In Vivo</i> Expression of Reprogramming Factors Increases Hippocampal Neurogenesis and Synaptic Plasticity in Chronic Hypoxic-Ischemic Brain Injury. <i>Neural Plasticity</i> , 2016, 2016, 1-11.	1.0	16
59	Stem Cell Therapies for Treatment of Liver Disease. <i>Biomedicines</i> , 2016, 4, 2.	1.4	34
60	Liver-Regenerative Transplantation: Regrow and Reset. <i>American Journal of Transplantation</i> , 2016, 16, 1688-1696.	2.6	39
61	Assessing the therapeutic potential of lab-made hepatocytes. <i>Hepatology</i> , 2016, 64, 287-294.	3.6	46
62	Efficient liver repopulation of transplanted hepatocyte prevents cirrhosis in a rat model of hereditary tyrosinemia type I. <i>Scientific Reports</i> , 2016, 6, 31460.	1.6	29
63	Direct reprogramming and biomaterials for controlling cell fate. <i>Biomaterials Research</i> , 2016, 20, 39.	3.2	11
64	Human induced pluripotent stem cells: A disruptive innovation. <i>Current Research in Translational Medicine</i> , 2016, 64, 91-96.	1.2	18
65	Enhanced direct conversion of fibroblasts into hepatocyte-like cells by Kdm2b. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 97-103.	1.0	10
66	New tools for experimental diabetes research: Cellular reprogramming and genome editing. <i>Upsala Journal of Medical Sciences</i> , 2016, 121, 146-150.	0.4	3
67	Chemical transdifferentiation: closer to regenerative medicine. <i>Frontiers of Medicine</i> , 2016, 10, 152-165.	1.5	10
68	Natural and induced direct reprogramming: mechanisms, concepts and general principles – from the worm to vertebrates. <i>Current Opinion in Genetics and Development</i> , 2016, 40, 154-163.	1.5	7
69	Engineering cell fate: Spotlight on cell-activation and signaling-directed lineage conversion. <i>Tissue and Cell</i> , 2016, 48, 475-487.	1.0	9
70	Direct lineage reprogramming via pioneer factors; a detour through developmental gene regulatory networks. <i>Development (Cambridge)</i> , 2016, 143, 2696-2705.	1.2	67
71	Chemical Modulation of Cell Fate in Stem Cell Therapeutics and Regenerative Medicine. <i>Cell Chemical Biology</i> , 2016, 23, 893-916.	2.5	43
72	Functional Maturation of Induced Pluripotent Stem Cell Hepatocytes in Extracellular Matrix – A Comparative Analysis of Bioartificial Liver Microenvironments. <i>Stem Cells Translational Medicine</i> , 2016, 5, 1257-1267.	1.6	95
73	Concise Review: Advances in Generating Hepatocytes from Pluripotent Stem Cells for Translational Medicine. <i>Stem Cells</i> , 2016, 34, 1421-1426.	1.4	36

#	ARTICLE	IF	CITATIONS
74	In Situ Pluripotency Factor Expression Promotes Functional Recovery From Cerebral Ischemia. <i>Molecular Therapy</i> , 2016, 24, 1538-1549.	3.7	13
75	In Vivo Reprogramming for CNS Repair: Regenerating Neurons from Endogenous Glial Cells. <i>Neuron</i> , 2016, 91, 728-738.	3.8	131
76	Conversion of Human Gastric Epithelial Cells to Multipotent Endodermal Progenitors using Defined Small Molecules. <i>Cell Stem Cell</i> , 2016, 19, 449-461.	5.2	71
77	Dynamics of the Transcriptome during Human Spermatogenesis: Predicting the Potential Key Genes Regulating Male Gametes Generation. <i>Scientific Reports</i> , 2016, 6, 19069.	1.6	54
78	Contribution of dermal-derived mesenchymal cells during liver repair in two different experimental models. <i>Scientific Reports</i> , 2016, 6, 25314.	1.6	9
80	Emerging advancements in liver regeneration and organogenesis as tools for liver replacement. <i>Current Opinion in Organ Transplantation</i> , 2016, 21, 581-587.	0.8	15
81	Generation of a Humanized Mouse Liver Using Human Hepatic Stem Cells. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	2
82	Regulation of Human Pluripotent Stem Cell-Derived Hepatic Cell Phenotype by Three-Dimensional Hydrogel Models. <i>Tissue Engineering - Part A</i> , 2016, 22, 971-984.	1.6	20
83	Human Pluripotent Stem Cells: Myths and Future Realities for Liver Cell Therapy. <i>Cell Stem Cell</i> , 2016, 18, 703-706.	5.2	14
84	Cell therapy in chronic liver disease. <i>Current Opinion in Gastroenterology</i> , 2016, 32, 1.	1.0	35
85	Techniques of Human Embryonic Stem Cell and Induced Pluripotent Stem Cell Derivation. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2016, 64, 349-370.	1.0	28
86	Stage-specific regulation of the WNT/ β -catenin pathway enhances differentiation of hESCs into hepatocytes. <i>Journal of Hepatology</i> , 2016, 64, 1315-1326.	1.8	75
87	Human pancreatic beta-like cells converted from fibroblasts. <i>Nature Communications</i> , 2016, 7, 10080.	5.8	119
88	A comparison between genetically humanized and chimeric liver humanized mouse models for studies in drug metabolism and toxicity. <i>Drug Discovery Today</i> , 2016, 21, 250-263.	3.2	61
89	Fumarylacetoacetate Hydrolase Knock-out Rabbit Model for Hereditary Tyrosinemia Type 1. <i>Journal of Biological Chemistry</i> , 2017, 292, 4755-4763.	1.6	15
90	A molecular roadmap for induced multi-lineage trans-differentiation of fibroblasts by chemical combinations. <i>Cell Research</i> , 2017, 27, 386-401.	5.7	20
91	Reprogramming cell fates by small molecules. <i>Protein and Cell</i> , 2017, 8, 328-348.	4.8	82
92	Cocktail of chemical compounds robustly promoting cell reprogramming protects liver against acute injury. <i>Protein and Cell</i> , 2017, 8, 273-283.	4.8	15

#	ARTICLE	IF	CITATIONS
93	Regenerative Medicine and the Biliary Tree. <i>Seminars in Liver Disease</i> , 2017, 37, 017-027.	1.8	23
94	A computational systems approach identifies synergistic specification genes that facilitate lineage conversion to prostate tissue. <i>Nature Communications</i> , 2017, 8, 14662.	5.8	30
95	Liver Regeneration. , 2017, , 113-123.		7
96	Pharmacological Reprogramming of Somatic Cells for Regenerative Medicine. <i>Accounts of Chemical Research</i> , 2017, 50, 1202-1211.	7.6	15
97	Towards understanding transcriptional networks in cellular reprogramming. <i>Current Opinion in Genetics and Development</i> , 2017, 46, 1-8.	1.5	3
98	Reversible transition between hepatocytes and liver progenitors for in vitro hepatocyte expansion. <i>Cell Research</i> , 2017, 27, 709-712.	5.7	42
99	Highly efficient biallelic genome editing of human ES/iPS cells using a CRISPR/Cas9 or TALEN system. <i>Nucleic Acids Research</i> , 2017, 45, 5198-5207.	6.5	80
100	Generation of non-viral, transgene-free hepatocyte like cells with piggyBac transposon. <i>Scientific Reports</i> , 2017, 7, 44498.	1.6	8
101	Recellularization via the bile duct supports functional allogenic and xenogenic cell growth on a decellularized rat liver scaffold. <i>Organogenesis</i> , 2017, 13, 16-27.	0.4	36
102	Direct induction of neural progenitor cells transiently passes through a partially reprogrammed state. <i>Biomaterials</i> , 2017, 119, 53-67.	5.7	10
103	Evaluating the regenerative potential and functionality of human liver cells in mice. <i>Differentiation</i> , 2017, 98, 25-34.	1.0	7
104	Targeting the vascular and perivascular niches as a regenerative therapy for lung and liver fibrosis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	91
106	Fah Knockout Animals as Models for Therapeutic Liver Repopulation. <i>Advances in Experimental Medicine and Biology</i> , 2017, 959, 215-230.	0.8	26
107	Identification and characterization of a rich population of CD34+ mesenchymal stem/stromal cells in human parotid, sublingual and submandibular glands. <i>Scientific Reports</i> , 2017, 7, 3484.	1.6	24
108	In situ expansion of engineered human liver tissue in a mouse model of chronic liver disease. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	133
109	Bioengineering considerations in liver regenerative medicine. <i>Journal of Biological Engineering</i> , 2017, 11, 46.	2.0	21
110	Lipopolysaccharide/Toll-like receptor 4 signaling pathway involved Qingdu decoction treating severe liver injury merging with endotoxemia. <i>Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine</i> , 2017, 37, 371-377.	0.4	1
111	TET-Catalyzed 5-Hydroxymethylation Precedes HNF4A Promoter Choice during Differentiation of Bipotent Liver Progenitors. <i>Stem Cell Reports</i> , 2017, 9, 264-278.	2.3	34

#	ARTICLE	IF	CITATIONS
112	Simple Maturation of Direct-Converted Hepatocytes Derived from Fibroblasts. <i>Tissue Engineering and Regenerative Medicine</i> , 2017, 14, 579-586.	1.6	4
113	Conversion of Terminally Committed Hepatocytes to Culturable Bipotent Progenitor Cells with Regenerative Capacity. <i>Cell Stem Cell</i> , 2017, 20, 41-55.	5.2	187
114	Hepatocyte-like cells derived from induced pluripotent stem cells. <i>Hepatology International</i> , 2017, 11, 54-69.	1.9	37
115	Concise Review: Liver Regenerative Medicine: From Hepatocyte Transplantation to Bioartificial Livers and Bioengineered Grafts. <i>Stem Cells</i> , 2017, 35, 42-50.	1.4	98
116	Isolation, Characterization and Cold Storage of Cells Isolated from Diseased Explanted Livers. <i>International Journal of Artificial Organs</i> , 2017, 40, 294-306.	0.7	3
117	Support of the failing liver. , 2017, , 1181-1188.e3.		0
118	A Roadmap for Human Liver Differentiation from Pluripotent Stem Cells. <i>Cell Reports</i> , 2018, 22, 2190-2205.	2.9	145
119	Understanding Liver Regeneration. <i>American Journal of Pathology</i> , 2018, 188, 1316-1327.	1.9	106
120	Human iPSC-Derived Posterior Gut Progenitors Are Expandable and Capable of Forming Gut and Liver Organoids. <i>Stem Cell Reports</i> , 2018, 10, 780-793.	2.3	60
121	Biotechnology Challenges to In Vitro Maturation of Hepatic Stem Cells. <i>Gastroenterology</i> , 2018, 154, 1258-1272.	0.6	78
122	Ribosome Incorporation into Somatic Cells Promotes Lineage Transdifferentiation towards Multipotency. <i>Scientific Reports</i> , 2018, 8, 1634.	1.6	17
123	Diversity among POU transcription factors in chromatin recognition and cell fate reprogramming. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1587-1612.	2.4	55
124	Highly efficient and expedited hepatic differentiation from human pluripotent stem cells by pure small-molecule cocktails. <i>Stem Cell Research and Therapy</i> , 2018, 9, 58.	2.4	67
125	Three-dimensional hydrogel culture conditions promote the differentiation of human induced pluripotent stem cells into hepatocytes. <i>Cytotherapy</i> , 2018, 20, 95-107.	0.3	38
126	<sc>CD</sc>29 is highly expressed on epithelial, myoepithelial, and mesenchymal stromal cells of human salivary glands. <i>Oral Diseases</i> , 2018, 24, 561-572.	1.5	37
127	Long-Term Expansion of Functional Mouse and Human Hepatocytes as 3D Organoids. <i>Cell</i> , 2018, 175, 1591-1606.e19.	13.5	505
128	Cell Culture Bioprocess Technology: Biologics and Beyond. <i>Learning Materials in Biosciences</i> , 2018, , 1-21.	0.2	1
129	Nonintegrating Direct Conversion Using mRNA into Hepatocyte-Like Cells. <i>BioMed Research International</i> , 2018, 2018, 1-8.	0.9	2

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130	Differentiation therapy and the mechanisms that terminate cancer cell proliferation without harming normal cells. <i>Cell Death and Disease</i> , 2018, 9, 912.	2.7	64
131	Generation of hepatocyte- and endocrine pancreatic-like cells from human induced endodermal progenitor cells. <i>PLoS ONE</i> , 2018, 13, e0197046.	1.1	2
132	Wound healing, cellular regeneration and plasticity: the elegans way. <i>International Journal of Developmental Biology</i> , 2018, 62, 491-505.	0.3	11
133	Human liver organoids generated with single donor-derived multiple cells rescue mice from acute liver failure. <i>Stem Cell Research and Therapy</i> , 2018, 9, 5.	2.4	62
134	Exploration for Cell Sources for Liver Regenerative Medicine: â€œCLiPâ€•as a Dawn of Cell Transplantation Therapy. , 2018, , 77-101.		0
135	Cellular trajectories and molecular mechanisms of iPSC reprogramming. <i>Current Opinion in Genetics and Development</i> , 2018, 52, 77-85.	1.5	42
136	Animal models to study bile acid metabolism. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 895-911.	1.8	141
137	Oct4 and Hnf4Î±-induced hepatic stem cells ameliorate chronic liver injury in liver fibrosis model. <i>PLoS ONE</i> , 2019, 14, e0221085.	1.1	10
138	Functions and the Emerging Role of the Foetal Liver into Regenerative Medicine. <i>Cells</i> , 2019, 8, 914.	1.8	25
139	Liver stem cells: Plasticity of the liver epithelium. <i>World Journal of Gastroenterology</i> , 2019, 25, 1037-1049.	1.4	19
140	Generation of functional human hepatocytes in vitro: current status and future prospects. <i>Inflammation and Regeneration</i> , 2019, 39, 13.	1.5	27
141	Generation of expandable human pluripotent stem cell-derived hepatocyte-like liver organoids. <i>Journal of Hepatology</i> , 2019, 71, 970-985.	1.8	176
142	Stem Cell-Related Studies and Stem Cell-Based Therapies in Liver Diseases. <i>Cell Transplantation</i> , 2019, 28, 1116-1122.	1.2	9
143	Expression of serine/threonine protein kinase SGK1F promotes an hepatoblast state in stem cells directed to differentiate into hepatocytes. <i>PLoS ONE</i> , 2019, 14, e0218135.	1.1	2
144	A two-step lineage reprogramming strategy to generate functionally competent human hepatocytes from fibroblasts. <i>Cell Research</i> , 2019, 29, 696-710.	5.7	43
145	New Perspectives in Liver Transplantation: From Regeneration to Bioengineering. <i>Bioengineering</i> , 2019, 6, 81.	1.6	19
146	Induced Pluripotent Stem Cells Reprogrammed with Three Inhibitors Show Accelerated Differentiation Potentials with High Levels of 2-Cell Stage Marker Expression. <i>Stem Cell Reports</i> , 2019, 12, 305-318.	2.3	10
147	A DMSO-free hepatocyte maturation medium accelerates hepatic differentiation of HepaRG cells in vitro. <i>Biomedicine and Pharmacotherapy</i> , 2019, 116, 109010.	2.5	11

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148	Cell Therapy in Acute and Chronic Liver Disease. , 2019, , 781-797.		1
149	Partial reprogramming as a therapeutic approach for heart disease: A state-of-the-art review. Journal of Cellular Biochemistry, 2019, 120, 14247-14261.	1.2	1
150	Biofabrication of Autologous Human Hepatocytes for Transplantation: How Do We Get There?. Gene Expression, 2019, 19, 89-95.	0.5	3
151	Role of ten-eleven translocation proteins and 5-hydroxymethylcytosine in hepatocellular carcinoma. Cell Proliferation, 2019, 52, e12626.	2.4	26
152	Three-dimensional biomimetic scaffolds for hepatic differentiation of size-controlled embryoid bodies. Journal of Materials Research, 2019, 34, 1371-1380.	1.2	4
153	Hepatocyte Transplantation: Quo Vadis?. International Journal of Radiation Oncology Biology Physics, 2019, 103, 922-934.	0.4	15
154	Programming of ES cells and reprogramming of fibroblasts into renal lineage-like cells. Experimental Cell Research, 2019, 379, 225-234.	1.2	2
155	Emerging Technologies for Tissue Engineering: From Gene Editing to Personalized Medicine. Tissue Engineering - Part A, 2019, 25, 688-692.	1.6	26
156	In Atp7b ^{-/-} Mice Modeling Wilson's Disease Liver Repopulation With Bone Marrow-Derived Myofibroblasts or Inflammatory Cells and Not Hepatocytes Is Deleterious. Gene Expression, 2019, 19, 15-24.	0.5	1
157	Conversion of mouse fibroblasts into oligodendrocyte progenitor-like cells through a chemical approach. Journal of Molecular Cell Biology, 2019, 11, 489-495.	1.5	18
158	Hepatic Stem Cells. Methods in Molecular Biology, 2019, , .	0.4	1
159	Pharmacological Induction of a Progenitor State for the Efficient Expansion of Primary Human Hepatocytes. Hepatology, 2019, 69, 2214-2231.	3.6	22
160	Chemically Induced Liver Progenitors (CLiPs): A Novel Cell Source for Hepatocytes and Biliary Epithelial Cells. Methods in Molecular Biology, 2019, 1905, 117-130.	0.4	9
161	Altered expression and activity of phase I and II biotransformation enzymes in human liver cells by perfluorooctanoate (PFOA) and perfluorooctane sulfonate (PFOS). Toxicology, 2020, 430, 152339.	2.0	38
162	Targeting cell plasticity for regeneration: From in vitro to in vivo reprogramming. Advanced Drug Delivery Reviews, 2020, 161-162, 124-144.	6.6	8
163	Two base pair deletion in IL2 receptor β gene in NOD/SCID mice induces a highly severe immunodeficiency. Laboratory Animal Research, 2020, 36, 27.	1.1	3
164	Extensively expanded murine-induced hepatic stem cells maintain high-efficient hepatic differentiation potential for repopulation of injured livers. Liver International, 2020, 40, 2293-2304.	1.9	6
165	Induced pluripotent stem cells for the treatment of liver diseases: challenges and perspectives from a clinical viewpoint. Annals of Translational Medicine, 2020, 8, 566-566.	0.7	16

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166	Alternative Cell Sources for Liver Parenchyma Repopulation: Where Do We Stand?. <i>Cells</i> , 2020, 9, 566.	1.8	14
168	Generation of keratinocyte stem-like cells from human fibroblasts via a direct reprogramming approach. <i>Biotechnology Progress</i> , 2020, 36, e2961.	1.3	5
169	Engineering Biomaterials with Micro/Nanotechnologies for Cell Reprogramming. <i>ACS Nano</i> , 2020, 14, 1296-1318.	7.3	39
170	Hepatic tissue engineering. , 2020, , 737-753.		3
171	Direct cell-fate conversion of somatic cells: Toward regenerative medicine and industries. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2020, 96, 131-158.	1.6	22
172	The science and engineering of stem cell-derived organoids—examples from hepatic, biliary, and pancreatic tissues. <i>Biological Reviews</i> , 2021, 96, 179-204.	4.7	13
173	Gene Regulatory Network Analysis and Engineering Directs Development and Vascularization of Multilineage Human Liver Organoids. <i>Cell Systems</i> , 2021, 12, 41-55.e11.	2.9	59
174	Integrated Isogenic Human Induced Pluripotent Stem Cell-Based Liver and Heart Microphysiological Systems Predict Unsafe Drug-Drug Interaction. <i>Frontiers in Pharmacology</i> , 2021, 12, 667010.	1.6	29
175	Non-viral approaches for somatic cell reprogramming into cardiomyocytes. <i>Seminars in Cell and Developmental Biology</i> , 2022, 122, 28-36.	2.3	4
177	Generation of hepatocyte-like cells from human urinary epithelial cells and the role of autophagy during direct reprogramming. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 723-729.	1.0	8
180	Engrafted human stem cell-derived hepatocytes establish an infectious HCV murine model. <i>Journal of Clinical Investigation</i> , 2014, 124, 4953-4964.	3.9	131
181	Derivation of Patient Specific Pluripotent Stem Cells Using Clinically Discarded Cumulus Cells. <i>PLoS ONE</i> , 2016, 11, e0165715.	1.1	2
182	Cell Sources, Liver Support Systems and Liver Tissue Engineering: Alternatives to Liver Transplantation. <i>International Journal of Stem Cells</i> , 2015, 8, 36-47.	0.8	59
183	Direct Reprogramming to Human Induced Neuronal Progenitors from Fibroblasts of Familial and Sporadic Parkinson's Disease Patients. <i>International Journal of Stem Cells</i> , 2019, 12, 474-483.	0.8	14
184	Reprogrammed Cell-based Therapy for Liver Disease: From Lab to Clinic. <i>Journal of Renal and Hepatic Disorders</i> , 2017, 1, 20-28.	0.1	1
185	Induction of Hepatocyte Differentiation in Human Pluripotent Stem Cells. <i>Journal of Gastroenterology and Hepatology Research</i> , 2015, 4, 1627-1639.	0.2	2
186	Cell therapy from bench to bedside: Hepatocytes from fibroblasts - the truth and myth of transdifferentiation. <i>World Journal of Gastroenterology</i> , 2015, 21, 6427.	1.4	8
187	Maturity of associating liver partition and portal vein ligation for staged hepatectomy-derived liver regeneration in a rat model. <i>World Journal of Gastroenterology</i> , 2018, 24, 1107-1119.	1.4	10

#	ARTICLE	IF	CITATIONS
188	Modeling Liver Diseases Using Induced Pluripotent Stem Cell (Ipsc)-Derived Hepatocytes. Journal of Stem Cell Research & Therapy, 2014, 04, .	0.3	1
189	Role of liver stem cells in hepatocarcinogenesis. World Journal of Stem Cells, 2014, 6, 579.	1.3	7
190	Novel alternative transplantation therapy for orthotopic liver transplantation in liver failure: A systematic review. World Journal of Transplantation, 2020, 10, 64-78.	0.6	7
191	Generation of human hepatic progenitor cells with regenerative and metabolic capacities from primary hepatocytes. ELife, 2019, 8, .	2.8	46
192	Direct reprogramming of human Sertoli cells into male germline stem cells with the self-renewal and differentiation potentials via overexpressing DAZL/DAZZ/BOULE genes. Stem Cell Reports, 2021, 16, 2798-2812.	2.3	7
193	Liverâ€humanized mice: A translational strategy to study metabolic disorders. Journal of Cellular Physiology, 2021, , .	2.0	4
194	Bewertung von artifiziiellen Â»totipotentenÂ« Stammzellen aus naturwissenschaftlicher und medizinischer Sicht. , 2014, , 67-78.		0
196	Cell-Based Regenerative Therapy for Liver Disease. , 2015, , 327-339.		0
197	Directed Differentiation of Human Pluripotent Stem Cells into Lung and Airway Epithelial Cells. Pancreatic Islet Biology, 2015, , 265-285.	0.1	0
200	Genomic Medicine and Lipid Metabolism. , 2016, , 99-118.		0
201	Transdifferentiation: A Lineage Instructive Approach Bypassing Roadways of Induced Pluripotent Stem Cell (iPSC). , 2017, , 123-142.		0
207	Direct induction of neural cells from somatic cells. , 2020, , 179-185.		0
208	Cell Therapy for Liver Disease: From Promise to Reality. Seminars in Liver Disease, 2020, 40, 411-426.	1.8	2
209	Stem cell-derived liver cells for drug testing and disease modeling. Discovery Medicine, 2015, 19, 349-58.	0.5	49
210	Trichostatin A Promotes the Conversion of Astrocytes to Oligodendrocyte Progenitors in a Defined Culture Medium. Iranian Journal of Pharmaceutical Research, 2019, 18, 286-295.	0.3	3
211	Aquaporin 9 induction in human iPSCâ€derived hepatocytes facilitates modeling of ornithine transcarbamylase deficiency. Hepatology, 2022, 76, 646-659.	3.6	12
212	Current protocols and clinical efficacy of human fetal liver cell therapy in patients with liver disease: A literature review. Cytotherapy, 2022, , .	0.3	3
213	Cell maturation: Hallmarks, triggers, and manipulation. Cell, 2022, 185, 235-249.	13.5	42

#	ARTICLE	IF	CITATIONS
214	HepG2-Based Designer Cells with Heat-Inducible Enhanced Liver Functions. <i>Cells</i> , 2022, 11, 1194.	1.8	3
215	Chemical Pretreatment Activated a Plastic State Amenable to Direct Lineage Reprogramming. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 865038.	1.8	6
216	Clinical Application of Induced Hepatocyte-like Cells Produced from Mesenchymal Stromal Cells: A Literature Review. <i>Cells</i> , 2022, 11, 1998.	1.8	2
217	Regenerative medicine technologies applied to transplant medicine. An update. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	7
218	Modelling urea cycle disorders using iPSCs. <i>Npj Regenerative Medicine</i> , 2022, 7, .	2.5	8
219	Parabolic relationship between SMAD3 expression level and the reprogramming efficiency of goat induced mammary epithelial cells. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	0
220	A comprehensive transcriptomic comparison of hepatocyte model systems improves selection of models for experimental use. <i>Communications Biology</i> , 2022, 5, .	2.0	3
221	Generation of mitochondria-rich kidney organoids from expandable intermediate mesoderm progenitors reprogrammed from human urine cells under defined medium. <i>Cell and Bioscience</i> , 2022, 12, .	2.1	4
222	Advancements in MAFLD Modeling with Human Cell and Organoid Models. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11850.	1.8	4
223	Functional hepatobiliary organoids recapitulate liver development and reveal essential drivers of hepatobiliary cell fate determination. , 2022, 1, 345-358.		5
224	Self-Assembled Matrigel-Free iPSC-Derived Liver Organoids Demonstrate Wide-Ranging Highly Differentiated Liver Functions. <i>Stem Cells</i> , 2023, 41, 126-139.	1.4	6
225	Therapeutic Cell Repopulation of the Liver: From Fetal Rat Cells to Synthetic Human Tissues. <i>Cells</i> , 2023, 12, 529.	1.8	2
226	Bio-Artificial Liver Support System: A Prospective Future Therapy. <i>Livers</i> , 2023, 3, 65-75.	0.8	3
227	Robust protein-based engineering of hepatocyte-like cells from human mesenchymal stem cells. <i>Hepatology Communications</i> , 2023, 7, e0051-e0051.	2.0	1
228	Direct Lineage Reprogramming for Induced Keratinocyte Stem Cells: A Potential Approach for Skin Repair. <i>Stem Cells Translational Medicine</i> , 0, , .	1.6	1
229	Adipose-derived stem cells show hepatic differentiation potential and therapeutic effect in rats with acute liver failure. <i>Acta Biochimica Et Biophysica Sinica</i> , 2023, 55, 601-612.	0.9	2