Alejandro Soto-Gutierrez

List of Publications by Year
in descending order

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33 papers	1,582 citations	361045 20 h-index	414034 32 g-index
33 all docs	33 docs citations	33 times ranked	2507 citing authors

#	Article	IF	Citations
1	A Whole-Organ Regenerative Medicine Approach for Liver Replacement. Tissue Engineering - Part C: Methods, 2011, 17, 677-686.	1.1	280
2	Hepatitis C Virus Infection Induces Autocrine Interferon Signaling by Human Liver Endothelial Cells and Release of Exosomes, Which Inhibits Viral Replication. Gastroenterology, 2015, 148, 392-402.e13.	0.6	107
3	A switch in the source of ATP production and a loss in capacity to perform glycolysis are hallmarks of hepatocyte failure in advance liver disease. Journal of Hepatology, 2014, 60, 1203-1211.	1.8	99
4	Functional Maturation of Induced Pluripotent Stem Cell Hepatocytes in Extracellular Matrixâ€"A Comparative Analysis of Bioartificial Liver Microenvironments. Stem Cells Translational Medicine, 2016, 5, 1257-1267.	1.6	95
5	Resetting the transcription factor network reverses terminal chronic hepatic failure. Journal of Clinical Investigation, 2015, 125, 1533-1544.	3.9	89
6	Assembly and Function of a Bioengineered Human Liver for Transplantation Generated Solely from Induced Pluripotent Stem Cells. Cell Reports, 2020, 31, 107711.	2.9	81
7	Negative reciprocal regulation between Sirt1 and Per2 modulates the circadian clock and aging. Scientific Reports, 2016, 6, 28633.	1.6	80
8	Biotechnology Challenges to InÂVitro Maturation of Hepatic Stem Cells. Gastroenterology, 2018, 154, 1258-1272.	0.6	78
9	Generation of Human Fatty Livers Using Custom-Engineered Induced Pluripotent Stem Cells with Modifiable SIRT1 Metabolism. Cell Metabolism, 2019, 30, 385-401.e9.	7.2	75
10	Future Economics of Liver Transplantation: A 20-Year Cost Modeling Forecast and the Prospect of Bioengineering Autologous Liver Grafts. PLoS ONE, 2015, 10, e0131764.	1.1	71
11	Pre-clinical and clinical investigations of metabolic zonation in liver diseases: The potential of microphysiology systems. Experimental Biology and Medicine, 2017, 242, 1605-1616.	1.1	66
12	The microenvironment in hepatocyte regeneration and function in rats with advanced cirrhosis. Hepatology, 2012, 55, 1529-1539.	3.6	59
13	Induced Pluripotent Stem Cellâ€"Derived Endothelial Cells. American Journal of Pathology, 2019, 189, 502-512.	1.9	51
14	Guide to the Assessment of Mature Liver Gene Expression in Stem Cell-Derived Hepatocytes. Stem Cells and Development, 2019, 28, 907-919.	1.1	46
15	A Multiscale Agent-Based in silico Model of Liver Fibrosis Progression. Frontiers in Bioengineering and Biotechnology, 2014, 2, 18.	2.0	45
16	SIRT1 Disruption in Human Fetal Hepatocytes Leads to Increased Accumulation of Glucose and Lipids. PLoS ONE, 2016, 11, e0149344.	1.1	40
17	Molecular overview of progressive familial intrahepatic cholestasis. World Journal of Gastroenterology, 2020, 26, 7470-7484.	1.4	37
18	Clinical Hepatocyte Transplantation: What Is Next?. Current Transplantation Reports, 2017, 4, 280-289.	0.9	28

#	Article	IF	Citations
19	Liverâ€enriched transcription factor expression relates to chronic hepatic failure in humans. Hepatology Communications, 2018, 2, 582-594.	2.0	28
20	Assembly of Human Organs from Stem Cells to Study Liver Disease. American Journal of Pathology, 2014, 184, 348-357.	1.9	21
21	Regulation of Cytosolic Sulfotransferases in Models of Human Hepatocyte Development. Drug Metabolism and Disposition, 2018, 46, 1146-1156.	1.7	16
22	Modeling and therapy of human liver diseases using induced pluripotent stem cells: How far have we come?. Hepatology, 2011, 53, 708-711.	3.6	13
23	The Inside-Out of End-Stage Liver Disease: Hepatocytes are the Keystone. Seminars in Liver Disease, 2021, 41, 213-224.	1.8	13
24	Transplantation of bioengineered liver capable of extended function in a preclinical liver failure model. American Journal of Transplantation, 2022, 22, 731-744.	2.6	13
25	Cellular Location of HNF4Î± is Linked With Terminal Liver Failure in Humans. Hepatology Communications, 2020, 4, 859-875.	2.0	12
26	A Pre-Clinical Large Animal Model of Sustained Liver Injury and Regeneration Stimulus. Scientific Reports, 2018, 8, 14987.	1.6	10
27	Is HSD17B13 Genetic Variant a Protector for Liver Dysfunction? Future Perspective as a Potential Therapeutic Target. Journal of Personalized Medicine, 2021, 11, 619.	1.1	8
28	Hepatocyte Nuclear Factor 4 alpha 2 Messenger RNA Reprograms Liverâ€Enriched Transcription Factors and Functional Proteins in Endâ€Stage Cirrhotic Human Hepatocytes. Hepatology Communications, 2021, 5, 1911-1926.	2.0	7
29	Quantifying the progression of non-alcoholic fatty liver disease in human biomimetic liver microphysiology systems with fluorescent protein biosensors. Experimental Biology and Medicine, 2021, 246, 2420-2441.	1.1	5
30	Transmembrane channel activity in human hepatocytes and cholangiocytes derived from induced pluripotent stemÂcells. Hepatology Communications, 2022, 6, 1561-1573.	2.0	4
31	Biofabrication of Autologous Human Hepatocytes for Transplantation: How Do We Get There?. Gene Expression, 2019, 19, 89-95.	0.5	3
32	Synthetic human livers for modeling metabolic diseases. Current Opinion in Gastroenterology, 2021, 37, 224-230.	1.0	2
33	Reply to: â€œIs the pathway of energy metabolism modified in advanced cirrhosis?â€. Journal of Hepatology, 2014, 61, 453.	1.8	0