

Gregory H Underhill

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

946
citations

840776

11
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

1762
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell and tissue engineering for liver disease. <i>Science Translational Medicine</i> , 2014, 6, 245sr2.	12.4	247
2	A combinatorial extracellular matrix platform identifies cell-extracellular matrix interactions that correlate with metastasis. <i>Nature Communications</i> , 2012, 3, 1122.	12.8	171
3	Bioengineered Liver Models for Drug Testing and Cell Differentiation Studies. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 5, 426-439.e1.	4.5	131
4	Substrate stiffness and matrix composition coordinately control the differentiation of liver progenitor cells. <i>Biomaterials</i> , 2016, 99, 82-94.	11.4	86
5	Substrate stiffness and VE-cadherin mechano-transduction coordinate to regulate endothelial monolayer integrity. <i>Biomaterials</i> , 2017, 140, 45-57.	11.4	71
6	Advances in Engineered Human Liver Platforms for Drug Metabolism Studies. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1626-1637.	3.3	42
7	Combinatorial microenvironmental regulation of liver progenitor differentiation by Notch ligands, TGF β 2 and extracellular matrix. <i>Scientific Reports</i> , 2016, 6, 23490.	3.3	38
8	Spatial patterning of liver progenitor cell differentiation mediated by cellular contractility and Notch signaling. <i>ELife</i> , 2018, 7, .	6.0	36
9	A High-throughput Cell Microarray Platform for Correlative Analysis of Cell Differentiation and Traction Forces. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	19
10	Emerging trends in modeling human liver disease <i>in vitro</i> . <i>APL Bioengineering</i> , 2019, 3, 040902.	6.2	18
11	High throughput interrogation of human liver stellate cells reveals microenvironmental regulation of phenotype. <i>Acta Biomaterialia</i> , 2022, 138, 240-253.	8.3	14
12	Integration of Hydrogel Microparticles With Three-Dimensional Liver Progenitor Cell Spheroids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 792.	4.1	13
13	Click Chemistry-Based DNA Labeling of Cells for Barcoding Applications. <i>Bioconjugate Chemistry</i> , 2018, 29, 2846-2854.	3.6	12
14	Microtissue Geometry and Cell-Generated Forces Drive Patterning of Liver Progenitor Cell Differentiation in 3D. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100223.	7.6	11
15	Mapping lung tumor cell drug responses as a function of matrix context and genotype using cell microarrays. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 1221-1231.	1.3	10
16	Elucidating Extracellular Matrix and Stiffness Control of Primary Human Hepatocyte Phenotype via Cell Microarrays. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101284.	3.7	8
17	Simulated confluence on micropatterned substrates correlates responses regulating cellular differentiation. <i>Biotechnology and Bioengineering</i> , 2022, 119, 1641-1659.	3.3	5
18	Targeted Gene Knock Out Using Nuclease-Assisted Vector Integration: Hemi- and Homozygous Deletion of JAG1. <i>Methods in Molecular Biology</i> , 2018, 1772, 233-248.	0.9	4

#	ARTICLE	IF	CITATIONS
19	High Throughput Traction Force Microscopy for Multicellular Islands on Combinatorial Microarrays. <i>Bio-protocol</i> , 2019, 9, .	0.4	4
20	Cellular fate decisions in the developing female anteroventral periventricular nucleus are regulated by canonical Notch signaling. <i>Developmental Biology</i> , 2018, 442, 87-100.	2.0	3
21	Stem cell bioengineering at the interface of systems-based models and high-throughput platforms. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2012, 4, 525-545.	6.6	2
22	Hydrogels for Hepatic Tissue Engineering. , 2016, , 427-462.		0