

Shay Soker

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,793
citations

331538

21
h-index

377752

34
g-index

44
all docs

44
docs citations

44
times ranked

2732
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioreactor design and validation for manufacturing strategies in tissue engineering. <i>Bio-Design and Manufacturing</i> , 2022, 5, 43-63.	3.9	21
2	Exploiting maleimide-functionalized hyaluronan hydrogels to test cellular responses to physical and biochemical stimuli. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 025001.	1.7	4
3	Biofabricated 3D in vitro model of fibrosis-induced abnormal hepatoblast/biliary progenitors' expansion of the developing liver. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10207.	3.9	4
4	Immuno-reactive Cancer Organoid Models to Examine Microbiome Metabolite Effects on Immune Checkpoint Blockade Efficacy. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
5	Abstract 2964: Immuno-reactive cancer organoid models to examine microbiome metabolite effects on immune checkpoint blockade efficacy. , 2021, , .		0
6	Bio-instructive hydrogel expands the paracrine potency of mesenchymal stem cells. <i>Biofabrication</i> , 2021, 13, 045002.	3.7	32
7	Cell Viability Assays in Three-Dimensional Hydrogels: A Comparative Study of Accuracy. <i>Tissue Engineering - Part C: Methods</i> , 2021, 27, 401-410.	1.1	23
8	Semiconducting polymer nanoparticles for photothermal ablation of colorectal cancer organoids. <i>Scientific Reports</i> , 2021, 11, 1532.	1.6	15
9	Development of a Colorectal Cancer 3D Micro-tumor Construct Platform From Cell Lines and Patient Tumor Biospecimens for Standard-of-Care and Experimental Drug Screening. <i>Annals of Biomedical Engineering</i> , 2020, 48, 940-952.	1.3	29
10	Decellularized Skin Extracellular Matrix (dsECM) Improves the Physical and Biological Properties of Fibrinogen Hydrogel for Skin Bioprinting Applications. <i>Nanomaterials</i> , 2020, 10, 1484.	1.9	41
11	Manipulating the Tumor Microenvironment in Tumor Organoids Induces Phenotypic Changes and Chemoresistance. <i>IScience</i> , 2020, 23, 101851.	1.9	24
12	Bioengineered tumor organoids. <i>Current Opinion in Biomedical Engineering</i> , 2020, 13, 168-173.	1.8	12
13	Differential fibrotic phenotypes of hepatic stellate cells within 3D liver organoids. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2516-2526.	1.7	10
14	Simulating the human colorectal cancer microenvironment in 3D tumor-stroma co-cultures in vitro and in vivo. <i>Scientific Reports</i> , 2020, 10, 9832.	1.6	34
15	Personalized Identification of Optimal HIPEC Perfusion Protocol in Patient-Derived Tumor Organoid Platform. <i>Annals of Surgical Oncology</i> , 2020, 27, 4950-4960.	0.7	36
16	Drug compound screening in single and integrated multi-organoid body-on-a-chip systems. <i>Biofabrication</i> , 2020, 12, 025017.	3.7	141
17	206...An immune-competent tumor organoid platform to test novel immune checkpoint combinations targeting the receptor CD47 in triple negative breast cancer. , 2020, 8, A222-A222.		2
18	The Use of Pulsed Electromagnetic Field to Modulate Inflammation and Improve Tissue Regeneration: A Review. <i>Bioelectricity</i> , 2019, 1, 247-259.	0.6	24

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19	Optimization of collagen type I-hyaluronan hybrid bioink for 3D bioprinted liver microenvironments. <i>Biofabrication</i> , 2019, 11, 015003.	3.7	171
20	Biofabricated tumor microenvironments for studying colorectal cancer in vitro and in vivo.. <i>Journal of Clinical Oncology</i> , 2019, 37, e14689-e14689.	0.8	0
21	Shear stress upregulates regeneration-related immediate early genes in liver progenitors in 3D ECM-like microenvironments. <i>Journal of Cellular Physiology</i> , 2018, 233, 4272-4281.	2.0	19
22	Self-assembled liver organoids recapitulate hepatobiliary organogenesis in vitro. <i>Hepatology</i> , 2018, 67, 750-761.	3.6	95
23	Environmental Toxin Screening Using Human-Derived 3D Bioengineered Liver and Cardiac Organoids. <i>Frontiers in Public Health</i> , 2018, 6, 103.	1.3	77
24	Mesenchymal stem cells support growth and organization of host-liver colorectal-tumor organoids and possibly resistance to chemotherapy. <i>Biofabrication</i> , 2017, 9, 021002.	3.7	63
25	Bioengineered Submucosal Organoids for <i>In Vitro</i> Modeling of Colorectal Cancer. <i>Tissue Engineering - Part A</i> , 2017, 23, 1026-1041.	1.6	38
26	A tunable hydrogel system for long-term release of cell-secreted cytokines and bioprinted <i>in situ</i> wound cell delivery. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 1986-2000.	1.6	92
27	Optical Tracking and Digital Quantification of Beating Behavior in Bioengineered Human Cardiac Organoids. <i>Biosensors</i> , 2017, 7, 24.	2.3	31
28	<i>In Vitro</i> Proliferation of Porcine Pancreatic Islet Cells for β -Cell Therapy Applications. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-8.	1.0	2
29	Differentiation of Human Dental Pulp Stem Cells into Dopaminergic Neuron-like Cells in Vitro. <i>Journal of Korean Medical Science</i> , 2016, 31, 171.	1.1	60
30	A reductionist metastasis-on-a-chip platform for in vitro tumor progression modeling and drug screening. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2020-2032.	1.7	183
31	Fluid Flow Regulation of Revascularization and Cellular Organization in a Bioengineered Liver Platform. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 199-207.	1.1	26
32	Liver-Tumor Hybrid Organoids for Modeling Tumor Growth and Drug Response In Vitro. <i>Annals of Biomedical Engineering</i> , 2015, 43, 2361-2373.	1.3	118
33	<i>In situ</i> patterned micro 3D liver constructs for parallel toxicology testing in a fluidic device. <i>Biofabrication</i> , 2015, 7, 031001.	3.7	75
34	Genetic Modification of Primate Amniotic Fluid-Derived Stem Cells Produces Pancreatic Progenitor Cells in vitro. <i>Cells Tissues Organs</i> , 2013, 197, 269-282.	1.3	14
35	Porcine pancreas extracellular matrix as a platform for endocrine pancreas bioengineering. <i>Biomaterials</i> , 2013, 34, 5488-5495.	5.7	145
36	Substrate elasticity controls cell proliferation, surface marker expression and motile phenotype in amniotic fluid-derived stem cells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 17, 307-316.	1.5	111

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37	Expression of Primary Cilia on Liver Stem and Progenitor Cells: Potential Role for Mechanosensing in Liver Development. , 2013, , .		0
38	Evaluation of parenchymal fluid pressure in native and decellularized liver tissue. Biomedical Sciences Instrumentation, 2012, 48, 303-9.	0.2	14
39	Non-destructive real-time imaging of cell morphology for tissue-engineering applications. , 2011, , .		0
40	Non-Destructive Real-Time Imaging of Cell Seeded Tissue Engineered Scaffolds. , 2011, , .		0
41	Smooth Muscle Cell Seeding on Decellularized Porcine Saphenous Vein Scaffolds â€”A Step Towards Functional Tissue Engineered Blood Vessels. FASEB Journal, 2009, 23, 817.2.	0.2	0
42	Total Organ Replacement Using Tissue Engineering. FASEB Journal, 2007, 21, A140.	0.2	1