

Steven D Forsythe

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

560
citations

13
h-index

22
g-index

22
ext. papers

801
ext. citations

5.1
avg, IF

4.05
L-index

#	Paper	IF	Citations
20	A reductionist metastasis-on-a-chip platform for in vitro tumor progression modeling and drug screening. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 2020-32	4.9	137
19	Drug compound screening in single and integrated multi-organoid body-on-a-chip systems. <i>Biofabrication</i> , 2020 , 12, 025017	10.5	63
18	Environmental Toxin Screening Using Human-Derived 3D Bioengineered Liver and Cardiac Organoids. <i>Frontiers in Public Health</i> , 2018 , 6, 103	6	48
17	Immersion Bioprinting of Tumor Organoids in Multi-Well Plates for Increasing Chemotherapy Screening Throughput. <i>Micromachines</i> , 2020 , 11,	3.3	47
16	Appendiceal Cancer Patient-Specific Tumor Organoid Model for Predicting Chemotherapy Efficacy Prior to Initiation of Treatment: A Feasibility Study. <i>Annals of Surgical Oncology</i> , 2019 , 26, 139-147	3.1	41
15	Model of Patient-Specific Immune-Enhanced Organoids for Immunotherapy Screening: Feasibility Study. <i>Annals of Surgical Oncology</i> , 2020 , 27, 1956-1967	3.1	40
14	Bioprinting Cellularized Constructs Using a Tissue-specific Hydrogel Bioink. <i>Journal of Visualized Experiments</i> , 2016 , e53606	1.6	37
13	Optical Tracking and Digital Quantification of Beating Behavior in Bioengineered Human Cardiac Organoids. <i>Biosensors</i> , 2017 , 7,	5.9	26
12	Tissue-specific extracellular matrix promotes myogenic differentiation of human muscle progenitor cells on gelatin and heparin conjugated alginate hydrogels. <i>Acta Biomaterialia</i> , 2017 , 62, 222-233	10.8	24
11	Cisplatin induces mitochondrial deficits in Drosophila larval segmental nerve. <i>Neurobiology of Disease</i> , 2017 , 97, 60-69	7.5	22
10	In Vitro Modeling of the Tumor Microenvironment in Tumor Organoids. <i>Tissue Engineering and Regenerative Medicine</i> , 2020 , 17, 759-771	4.5	16
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	4.7	16
8	Personalized Identification of Optimal HIPEC Perfusion Protocol in Patient-Derived Tumor Organoid Platform. <i>Annals of Surgical Oncology</i> , 2020 , 27, 4950-4960	3.1	15
7	Bio-instructive hydrogel expands the paracrine potency of mesenchymal stem cells. <i>Biofabrication</i> , 2021 , 13,	10.5	8
6	Organoid Platform in Preclinical Investigation of Personalized Immunotherapy Efficacy in Appendiceal Cancer: Feasibility Study. <i>Clinical Cancer Research</i> , 2021 , 27, 5141-5150	12.9	7
5	Bioengineered Tumor Organoids. <i>Current Opinion in Biomedical Engineering</i> , 2020 , 13, 168-173	4.4	5
4	Cell Viability Assays in Three-Dimensional Hydrogels: A Comparative Study of Accuracy. <i>Tissue Engineering - Part C: Methods</i> , 2021 , 27, 401-410	2.9	4

3	Using organoid models to predict chemotherapy efficacy: the future of precision oncology?. <i>Expert Review of Precision Medicine and Drug Development</i> , 2019 , 4, 317-336	1.6	3
2	ASO Author Reflections: Patient-Derived Tumor Organoids-A Platform for a Precision Approach for Peritoneal Malignancies. <i>Annals of Surgical Oncology</i> , 2020 , 27, 4961-4962	3.1	1
1	Body-on-a-Chip for Pharmacology and Toxicology 2019 , 763-771		