Shantanu Pradhan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/750397/publications.pdf

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18	634	840776 11	888059 17
papers	citations	h-index	g-index

18	18	18	991
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pulsed laser assisted high-throughput intracellular delivery in hanging drop based three dimensional cancer spheroids. Analyst, The, 2021, 146, 4756-4766.	3.5	22
2	The Influence of Ligand Density and Degradability on Hydrogel Induced Breast Cancer Dormancy and Reactivation. Advanced Healthcare Materials, 2021, 10, e2002227.	7.6	13
3	The Influence of Matrix-Induced Dormancy on Metastatic Breast Cancer Chemoresistance. ACS Applied Bio Materials, 2020, 3, 5832-5844.	4.6	11
4	Biofabrication Strategies and Engineered In Vitro Systems for Vascular Mechanobiology. Advanced Healthcare Materials, 2020, 9, e1901255.	7.6	35
5	Datasets describing hydrogel properties and cellular metrics for modeling of tumor dormancy. Data in Brief, 2019, 25, 104128.	1.0	5
6	Rapid Production of Cellâ€Laden Microspheres Using a Flexible Microfluidic Encapsulation Platform. Small, 2019, 15, e1902058.	10.0	37
7	Tunable hydrogels for controlling phenotypic cancer cell states to model breast cancer dormancy and reactivation. Biomaterials, 2019, 215, 119177.	11.4	50
8	Photocrosslinked Microspheres: Rapid Production of Cellâ€Laden Microspheres Using a Flexible Microfluidic Encapsulation Platform (Small 47/2019). Small, 2019, 15, 1970254.	10.0	1
9	Fabrication, characterization, and implementation of engineered hydrogels for controlling breast cancer cell phenotype and dormancy. MethodsX, 2019, 6, 2744-2766.	1.6	6
10	A Microvascularized Tumor-mimetic Platform for Assessing Anti-cancer Drug Efficacy. Scientific Reports, 2018, 8, 3171.	3.3	70
11	Engineered In Vitro Models of Tumor Dormancy and Reactivation. Journal of Biological Engineering, 2018, 12, 37.	4.7	51
12	Fundamentals of Laserâ€Based Hydrogel Degradation and Applications in Cell and Tissue Engineering. Advanced Healthcare Materials, 2017, 6, 1700681.	7.6	61
13	A three-dimensional spheroidal cancer model based on PEG-fibrinogen hydrogel microspheres. Biomaterials, 2017, 115, 141-154.	11.4	119
14	PEGâ€fibrinogen hydrogels for threeâ€dimensional breast cancer cell culture. Journal of Biomedical Materials Research - Part A, 2017, 105, 236-252.	4.0	64
15	Polymeric Biomaterials for In Vitro Cancer Tissue Engineering and Drug Testing Applications. Tissue Engineering - Part B: Reviews, 2016, 22, 470-484.	4.8	66
16	Abstract 620: Microfluidic cancer-on-a-chip platform for assessing anti-cancer drug efficacies. Cancer Research, 2016, 76, 620-620.	0.9	2
17	Abstract 4108:In vitrovascularized model for tumor growth and progression. , 2016, , .		0
18	Dual-Phase, Surface Tension-Based Fabrication Method for Generation of Tumor Millibeads. Langmuir, 2014, 30, 3817-3825.	3.5	21