Zhixiong Zhang

List of Publications by Year
in descending order

12	352	933264	1281743
papers	citations	10 h-index	11 g-index

12	12	12	670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Throughput Cancer Cell Sphere Formation for Characterizing the Efficacy of Photo Dynamic Therapy in 3D Cell Cultures. Scientific Reports, 2015, 5, 12175.	1.6	85
2	Single-cell RNA-sequencing of migratory breast cancer cells: discovering genes associated with cancer metastasis. Analyst, The, 2019, 144, 7296-7309.	1.7	45
3	Scalable Multiplexed Drugâ€Combination Screening Platforms Using 3D Microtumor Model for Precision Medicine. Small, 2018, 14, e1703617.	5.2	35
4	Single cell dual adherent-suspension co-culture micro-environment for studying tumorâ€“stromal interactions with functionally selected cancer stem-like cells. Lab on A Chip, 2016, 16, 2935-2945.	3.1	30
5	Functional Isolation of Tumor-Initiating Cells using Microfluidic-Based Migration Identifies Phosphatidylserine Decarboxylase as a Key Regulator. Scientific Reports, 2018, 8, 244.	1.6	30
6	Label-Free Estimation of Therapeutic Efficacy on 3D Cancer Spheres Using Convolutional Neural Network Image Analysis. Analytical Chemistry, 2019, 91, 14093-14100.	3.2	29
7	Morphology-based prediction of cancer cell migration using an artificial neural network and a random decision forest. Integrative Biology (United Kingdom), 2018, 10, 758-767.	0.6	28
8	Endothelial-derived interleukin-6 induces cancer stem cell motility by generating a chemotactic gradient towards blood vessels. Oncotarget, 2017, 8, 100339-100352.	0.8	24
9	Microfluidics 3D gel-island chip for single cell isolation and lineage-dependent drug responses study. Lab on A Chip, 2016, 16, 2504-2512.	3.1	22
10	Early Prediction of Single-Cell Derived Sphere Formation Rate Using Convolutional Neural Network Image Analysis. Analytical Chemistry, 2020, 92, 7717-7724.	3.2	14
11	Co-culture of functionally enriched cancer stem-like cells and cancer-associated fibroblasts for single-cell whole transcriptome analysis. Integrative Biology (United Kingdom), 2019, 11, 353-361.	0.6	10
12	High-throughput biomimetic 3D gel-island chip for investigating cancer cell heterogeneity. , 2016, , .		0