

Dong Woo Lee

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

444
citations

1039406

9
h-index

752256

20
g-index

27
all docs

27
docs citations

27
times ranked

591
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Throughput Screening (HTS) of Anticancer Drug Efficacy on a Micropillar/Microwell Chip Platform. <i>Analytical Chemistry</i> , 2014, 86, 535-542.	3.2	90
2	Multiplex quantitative analysis of stroma-mediated cancer cell invasion, matrix remodeling, and drug response in a 3D co-culture model of pancreatic tumor spheroids and stellate cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 258.	3.5	70
3	Mini-pillar array for hydrogel-supported 3D culture and high-content histologic analysis of human tumor spheroids. <i>Lab on A Chip</i> , 2016, 16, 2265-2276.	3.1	38
4	3D tumor spheroid microarray for high-throughput, high-content natural killer cell-mediated cytotoxicity. <i>Communications Biology</i> , 2021, 4, 893.	2.0	38
5	Automatic 3D Cell Analysis in High-Throughput Microarray Using Micropillar and Microwell Chips. <i>Journal of Biomolecular Screening</i> , 2015, 20, 1178-1184.	2.6	25
6	Prediction of metabolism-induced hepatotoxicity on three-dimensional hepatic cell culture and enzyme microarrays. <i>Archives of Toxicology</i> , 2018, 92, 1295-1310.	1.9	24
7	3D Cell-Based High-Content Screening (HCS) Using a Micropillar and Microwell Chip Platform. <i>Analytical Chemistry</i> , 2018, 90, 8354-8361.	3.2	22
8	High-Throughput, Miniaturized Clonogenic Analysis of a Limiting Dilution Assay on a Micropillar/Microwell Chip with Brain Tumor Cells. <i>Small</i> , 2014, 10, 5098-5105.	5.2	20
9	Unified 2D and 3D cell-based high-throughput screening platform using a micropillar/microwell chip. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 523-528.	4.0	15
10	High-Dose Compound Heat Map for 3D-Cultured Glioblastoma Multiforme Cells in a Micropillar and Microwell Chip Platform. <i>BioMed Research International</i> , 2017, 2017, 1-7.	0.9	12
11	A High Throughput Apoptosis Assay using 3D Cultured Cells. <i>Molecules</i> , 2019, 24, 3362.	1.7	10
12	High-dose drug heat map analysis for drug safety and efficacy in multi-spheroid brain normal cells and GBM patient-derived cells. <i>PLoS ONE</i> , 2021, 16, e0251998.	1.1	10
13	Drug Efficacy Comparison of 3D Forming and Preforming Sphere Models with a Micropillar and Microwell Chip Platform. <i>SLAS Discovery</i> , 2019, 24, 476-483.	1.4	9
14	A Cancer Spheroid Array Chip for Selecting Effective Drug. <i>Micromachines</i> , 2019, 10, 688.	1.4	8
15	Three-Dimensional Imaging for Multiplex Phenotypic Analysis of Pancreatic Microtumors Grown on a Minipillar Array Chip. <i>Cancers</i> , 2020, 12, 3662.	1.7	7
16	A novel 3D pillar/well array platform using patient-derived head and neck tumor to predict the individual radioresponse. <i>Translational Oncology</i> , 2022, 24, 101483.	1.7	7
17	Pitch-tunable pillar arrays for high-throughput culture and immunohistological analysis of tumor spheroids. <i>RSC Advances</i> , 2018, 8, 4494-4502.	1.7	6
18	Micropillar/Microwell Chip Assessment for Detoxification of Bisphenol A with Korean Pear (Pyrus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.4	6

#	ARTICLE	IF	CITATIONS
19	A rapid quantification of invasive phenotype in head and neck squamous cell carcinoma: A novel 3D pillar array system. <i>Oral Oncology</i> , 2020, 108, 104807.	0.8	6
20	Systematic Evaluation of Gastric Tumor Cell Index and Two-Drug Combination Therapy via 3-Dimensional High-Throughput Drug Screening. <i>Frontiers in Oncology</i> , 2019, 9, 1327.	1.3	5
21	High-Throughput 3D Tumor Spheroid Array Platform for Evaluating Sensitivity of Proton-Drug Combinations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 587.	1.8	5
22	Multi-volume hemacytometer. <i>Scientific Reports</i> , 2021, 11, 14106.	1.6	4
23	U-Net Deep-Learning-Based 3D Cell Counter for the Quality Control of 3D Cell-Based Assays through Seed Cell Measurement. <i>SLAS Technology</i> , 2021, 26, 468-476.	1.0	3
24	Selective colony area method for heterogeneous patient-derived tumor cell lines in anti-cancer drug screening system. <i>PLoS ONE</i> , 2019, 14, e0215080.	1.1	2
25	Extracellular matrix permeability/efficacy assay tip (E-PAT) to realize three-dimensional cell-based screening. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128624.	4.0	1
26	A Pillar-Based High-Throughput Myogenic Differentiation Assay to Assess Drug Safety. <i>Molecules</i> , 2021, 26, 5805.	1.7	1