Dong Woo Lee

List of Publications by Citations

23 papers	273 citations	8 h-index	16 g-index
27 ext. papers	366 ext. citations	5.6 avg, IF	3.39 L-index

#	Paper	IF	Citations
23	High-throughput screening (HTS) of anticancer drug efficacy on a micropillar/microwell chip platform. *Analytical Chemistry*, **2014**, 86, 535-42	7.8	76
22	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. *Journal of Experimental and Clinical Cancer Research*, **2019**, 38, 258	12.8	38
21	Mini-pillar array for hydrogel-supported 3D culture and high-content histologic analysis of human tumor spheroids. *Lab on A Chip*, **2016**, 16, 2265-76	7.2	33
20	Automatic 3D Cell Analysis in High-Throughput Microarray Using Micropillar and Microwell Chips. *Journal of Biomolecular Screening*, **2015**, 20, 1178-84		20
19	Prediction of metabolism-induced hepatotoxicity on three-dimensional hepatic cell culture and enzyme microarrays. *Archives of Toxicology*, **2018**, 92, 1295-1310	5.8	20
18	High-throughput, miniaturized clonogenic analysis of a limiting dilution assay on a micropillar/microwell chip with brain tumor cells. *Small*, **2014**, 10, 5098-105	11	18
17	Unified 2D and 3D cell-based high-throughput screening platform using a micropillar/microwell chip. *Sensors and Actuators B: Chemical*, **2016**, 228, 523-528	8.5	13
16	3D Cell-Based High-Content Screening (HCS) Using a Micropillar and Microwell Chip Platform. *Analytical Chemistry*, **2018**, 90, 8354-8361	7.8	12
15	High-Dose Compound Heat Map for 3D-Cultured Glioblastoma Multiforme Cells in a Micropillar and Microwell Chip Platform. *BioMed Research International*, **2017**, 2017, 7218707	3	8
14	3D tumor spheroid microarray for high-throughput, high-content natural killer cell-mediated cytotoxicity. *Communications Biology*, **2021**, 4, 893	6.7	6
13	Drug Efficacy Comparison of 3D Forming and Preforming Sphere Models with a Micropillar and Microwell Chip Platform. *SLAS Discovery*, **2019**, 24, 476-483	3.4	5
12	Systematic Evaluation of Gastric Tumor Cell Index and Two-Drug Combination Therapy via 3-Dimensional High-Throughput Drug Screening. *Frontiers in Oncology*, **2019**, 9, 1327	5.3	5
11	Pitch-tunable pillar arrays for high-throughput culture and immunohistological analysis of tumor spheroids.. *RSC Advances*, **2018**, 8, 4494-4502	3.7	4
10	A High Throughput Apoptosis Assay using 3D Cultured Cells. *Molecules*, **2019**, 24,	4.8	3
9	A Cancer Spheroid Array Chip for Selecting Effective Drug. *Micromachines*, **2019**, 10,	3.3	3
8	Selective colony area method for heterogeneous patient-derived tumor cell lines in anti-cancer drug screening system. *PLoS ONE*, **2019**, 14, e0215080	3.7	2
7	Three-Dimensional Imaging for Multiplex Phenotypic Analysis of Pancreatic Microtumors Grown on a Minipillar Array Chip. *Cancers*, **2020**, 12,	6.6	2

6	A rapid quantification of invasive phenotype in head and neck squamous cell carcinoma: A novel 3D pillar array system. *Oral Oncology*, **2020**, 108, 104807	4.4	2
5	Micropillar/Microwell Chip Assessment for Detoxification of Bisphenol A with Korean Pear (). *Micromachines*, **2020**, 11,	3.3	1
4	Extracellular matrix permeability/efficacy assay tip (E-PAT) to realize three-dimensional cell-based screening. *Sensors and Actuators B: Chemical*, **2020**, 321, 128624	8.5	1
3	U-Net Deep-Learning-Based 3D Cell Counter for the Quality Control of 3D Cell-Based Assays through Seed Cell Measurement. *SLAS Technology*, **2021**, 26, 468-476	3	1
2	High-dose drug heat map analysis for drug safety and efficacy in multi-spheroid brain normal cells and GBM patient-derived cells. *PLoS ONE*, **2021**, 16, e0251998	3.7	0
1	Multi-volume hemacytometer. *Scientific Reports*, **2021**, 11, 14106	4.9	0