# Dong Woo Lee

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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-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 |
| 22 | 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 |
| 21 | Multi-volume hemacytometer. *Scientific Reports*, **2021**, 11, 14106 | 4.9 | 0 |
| 20 | 3D tumor spheroid microarray for high-throughput, high-content natural killer cell-mediated cytotoxicity. *Communications Biology*, **2021**, 4, 893 | 6.7 | 6 |
| 19 | Three-Dimensional Imaging for Multiplex Phenotypic Analysis of Pancreatic Microtumors Grown on a Minipillar Array Chip. *Cancers*, **2020**, 12, | 6.6 | 2 |
| 18 | Micropillar/Microwell Chip Assessment for Detoxification of Bisphenol A with Korean Pear (). *Micromachines*, **2020**, 11, | 3.3 | 1 |
| 17 | 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 |
| 16 | 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 |
| 15 | A High Throughput Apoptosis Assay using 3D Cultured Cells. *Molecules*, **2019**, 24, | 4.8 | 3 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | A Cancer Spheroid Array Chip for Selecting Effective Drug. *Micromachines*, **2019**, 10, | 3.3 | 3 |
| 10 | 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 |
| 9 | Pitch-tunable pillar arrays for high-throughput culture and immunohistological analysis of tumor spheroids.. *RSC Advances*, **2018**, 8, 4494-4502 | 3.7 | 4 |
| 8 | 3D Cell-Based High-Content Screening (HCS) Using a Micropillar and Microwell Chip Platform. *Analytical Chemistry*, **2018**, 90, 8354-8361 | 7.8 | 12 |
| 7 | Prediction of metabolism-induced hepatotoxicity on three-dimensional hepatic cell culture and enzyme microarrays. *Archives of Toxicology*, **2018**, 92, 1295-1310 | 5.8 | 20 |

# List of Publications

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|---|---|---|---|
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | Automatic 3D Cell Analysis in High-Throughput Microarray Using Micropillar and Microwell Chips. *Journal of Biomolecular Screening*, **2015**, 20, 1178-84 | | 20 |
| 2 | High-throughput screening (HTS) of anticancer drug efficacy on a micropillar/microwell chip platform. *Analytical Chemistry*, **2014**, 86, 535-42 | 7.8 | 76 |
| 1 | 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 |