

Chikahiro Imashiro

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

334
citations

933264

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887953

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docs citations

25
times ranked

286
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Titanium Culture Vessel Capable of Controlling Culture Temperature for Evaluation of Cell Thermotolerance. <i>Materials Transactions</i> , 2022, 63, 373-378. | 0.4 | 2 |
| 2 | Detachment of RAW264.7 macrophages from a culture dish using ultrasound excited by a Langevin transducer. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 320-325. | 1.1 | 5 |
| 3 | Focused surface acoustic wave locally removes cells from culture surface. <i>Lab on A Chip</i> , 2021, 21, 1299-1306. | 3.1 | 22 |
| 4 | Fundamental Technologies and Recent Advances of Cell-Sheet-Based Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2021, 22, 425. | 1.8 | 41 |
| 5 | Perfusable System Using Porous Collagen Gel Scaffold Actively Provides Fresh Culture Media to a Cultured 3D Tissue. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6780. | 1.8 | 8 |
| 6 | Acoustic streaming induced by MHz-frequency ultrasound extends the volume limit of cell suspension culture. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 4180-4189. | 0.5 | 7 |
| 7 | Titanium Culture Vessel Capable of Controlling Culture Temperature for Evaluation of Cell Thermotolerance. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2021, 70, 479-485. | 0.1 | 0 |
| 8 | Travelling ultrasound promotes vasculogenesis of three-dimensional monocultured human umbilical vein endothelial cells. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3760-3769. | 1.7 | 9 |
| 9 | Development of accurate temperature regulation culture system with metallic culture vessel demonstrates different thermal cytotoxicity in cancer and normal cells. <i>Scientific Reports</i> , 2021, 11, 21466. | 1.6 | 15 |
| 10 | Propagating acoustic waves on a culture substrate regulate the directional collective cell migration. <i>Microsystems and Nanoengineering</i> , 2021, 7, 90. | 3.4 | 13 |
| 11 | Homogenization of initial cell distribution by secondary flow of medium improves cell culture efficiency. <i>PLoS ONE</i> , 2020, 15, e0235827. | 1.1 | 11 |
| 12 | Direct Cell Counting Using Macro-Scale Smartphone Images of Cell Aggregates. <i>IEEE Access</i> , 2020, 8, 170033-170043. | 2.6 | 5 |
| 13 | Collective cell migration of fibroblasts is affected by horizontal vibration of the cell culture dish. <i>Engineering in Life Sciences</i> , 2020, 20, 402-411. | 2.0 | 11 |
| 14 | Low-frequency mechanical vibration induces apoptosis of A431 epidermoid carcinoma cells. <i>Engineering in Life Sciences</i> , 2020, 20, 232-238. | 2.0 | 6 |
| 15 | Detachment of cell sheets from clinically ubiquitous cell culture vessels by ultrasonic vibration. <i>Scientific Reports</i> , 2020, 10, 9468. | 1.6 | 24 |
| 16 | Cell Patterning Method on a Clinically Ubiquitous Culture Dish Using Acoustic Pressure Generated From Resonance Vibration of a Disk-Shaped Ultrasonic Transducer. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 111-118. | 2.5 | 17 |
| 17 | Effective and Intact Cell Detachment from a Clinically Ubiquitous Culture Flask by Combining Ultrasonic Wave Exposure and Diluted Trypsin. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 536-543. | 1.4 | 14 |
| 18 | Enzyme-free release of adhered cells from standard culture dishes using intermittent ultrasonic traveling waves. <i>Communications Biology</i> , 2019, 2, 393. | 2.0 | 49 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Method of localized removal of cells using a bolt-clamped Langevin transducer with an ultrasonic horn. <i>Engineering in Life Sciences</i> , 2019, 19, 575-583. | 2.0 | 11 |
| 20 | Formation of Large Scaffold-Free 3-D Aggregates in a Cell Culture Dish by Ultrasound Standing Wave Trapping. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1306-1315. | 0.7 | 15 |
| 21 | A Method for Collecting Single Cell Suspensions Using an Ultrasonic Pump. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 224-231. | 2.5 | 11 |
| 22 | Enzyme-free cell detachment mediated by resonance vibration with temperature modulation. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2279-2288. | 1.7 | 25 |
| 23 | Cell Patterning Method Using Resonance Vibration of a Metallic Cell Cultivation Substrate. <i>Advanced Biomedical Engineering</i> , 2016, 5, 142-148. | 0.4 | 11 |
| 24 | Cell manipulation by nodal circle resonance vibration of a cell cultivation substrate. , 2015, , . | | 2 |