

List of Publications by Year in descending order

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34
papers

1,110
citations

394421

19
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414414

32
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all docs

35
docs citations

35
times ranked

1148
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Breast cancer immunotherapy: Current biomarkers and the potential of in vitro assays. <i>Current Opinion in Biomedical Engineering</i> , 2022, 21, 100348. | 3.4 | 2 |
| 2 | From microfluidics to microphysiological systems: Past, present, and future. <i>Organs-on-a-Chip</i> , 2022, 4, 100015. | 3.2 | 15 |
| 3 | Role of the Skin Microenvironment in Melanomagenesis: Epidermal Keratinocytes and Dermal Fibroblasts Promote BRAF Oncogene-Induced Senescence Escape in Melanocytes. <i>Cancers</i> , 2022, 14, 1233. | 3.7 | 6 |
| 4 | Microphysiological model of renal cell carcinoma to inform anti-angiogenic therapy. <i>Biomaterials</i> , 2022, 283, 121454. | 11.4 | 9 |
| 5 | The Importance of the Tumor Microenvironment to Understand Tumor Origin, Evolution, and Treatment Response. <i>Cancers</i> , 2022, 14, 1983. | 3.7 | 1 |
| 6 | Innate immune cell response to host-parasite interaction in a human intestinal tissue microphysiological system. <i>Science Advances</i> , 2022, 8, eabm8012. | 10.3 | 10 |
| 7 | Atovaquone: An Inhibitor of Oxidative Phosphorylation as Studied in Gynecologic Cancers. <i>Cancers</i> , 2022, 14, 2297. | 3.7 | 17 |
| 8 | A role for microfluidic systems in precision medicine. <i>Nature Communications</i> , 2022, 13, . | 12.8 | 63 |
| 9 | Microfluidic model with air-walls reveals fibroblasts and keratinocytes modulate melanoma cell phenotype, migration, and metabolism. <i>Lab on A Chip</i> , 2021, 21, 1139-1149. | 6.0 | 22 |
| 10 | Microfluidic tumor-on-a-chip model to evaluate the role of tumor environmental stress on NK cell exhaustion. <i>Science Advances</i> , 2021, 7, . | 10.3 | 82 |
| 11 | Elucidating cancer-vascular paracrine signaling using a human organotypic breast cancer cell extravasation model. <i>Biomaterials</i> , 2021, 270, 120640. | 11.4 | 25 |
| 12 | Toward improved <i>in vitro</i> models of human cancer. <i>APL Bioengineering</i> , 2021, 5, 010902. | 6.2 | 30 |
| 13 | Social motility of biofilm-like microcolonies in a gliding bacterium. <i>Nature Communications</i> , 2021, 12, 5700. | 12.8 | 16 |
| 14 | Primary head and neck tumour-derived fibroblasts promote lymphangiogenesis in a lymphatic organotypic co-culture model. <i>EBioMedicine</i> , 2021, 73, 103634. | 6.1 | 19 |
| 15 | Microfluidic Systems to Study Neutrophil Forward and Reverse Migration. <i>Frontiers in Immunology</i> , 2021, 12, 781535. | 4.8 | 5 |
| 16 | Human Tumor-Lymphatic Microfluidic Model Reveals Differential Conditioning of Lymphatic Vessels by Breast Cancer Cells. <i>Advanced Healthcare Materials</i> , 2020, 9, e1900925. | 7.6 | 45 |
| 17 | Microfluidic lumen-based systems for advancing tubular organ modeling. <i>Chemical Society Reviews</i> , 2020, 49, 6402-6442. | 38.1 | 54 |
| 18 | Organotypic primary blood vessel models of clear cell renal cell carcinoma for single-patient clinical trials. <i>Lab on A Chip</i> , 2020, 20, 4420-4432. | 6.0 | 21 |

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|----|--|-----|-----------|
| 19 | Microfluidic Tumor-on-a-Chip Model to Study Tumor Metabolic Vulnerability. International Journal of Molecular Sciences, 2020, 21, 9075. | 4.1 | 16 |
| 20 | Breast Fibroblasts and ECM Components Modulate Breast Cancer Cell Migration through the Secretion of MMPs in a 3D Microfluidic Co-Culture Model. Cancers, 2020, 12, 1173. | 3.7 | 56 |
| 21 | Matrix density drives 3D organotypic lymphatic vessel activation in a microfluidic model of the breast tumor microenvironment. Lab on A Chip, 2020, 20, 1586-1600. | 6.0 | 40 |
| 22 | Tumor-on-a-chip: a microfluidic model to study cell response to environmental gradients. Lab on A Chip, 2019, 19, 3461-3471. | 6.0 | 65 |
| 23 | Effects of culture method on response to EGFR therapy in head and neck squamous cell carcinoma cells. Scientific Reports, 2019, 9, 12480. | 3.3 | 30 |
| 24 | Enabling cell recovery from 3D cell culture microfluidic devices for tumour microenvironment biomarker profiling. Scientific Reports, 2019, 9, 6199. | 3.3 | 33 |
| 25 | Modulation of Antioxidant Potential with Coenzyme Q10 Suppressed Invasion of Temozolomide-Resistant Rat Glioma <i>In Vitro</i> and <i>In Vivo</i> . Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-14. | 4.0 | 15 |
| 26 | Development of a Microfluidic Array to Study Drug Response in Breast Cancer. Molecules, 2019, 24, 4385. | 3.8 | 9 |
| 27 | Evaluating natural killer cell cytotoxicity against solid tumors using a microfluidic model. OncoImmunology, 2019, 8, 1553477. | 4.6 | 103 |
| 28 | Organotypic microfluidic breast cancer model reveals starvation-induced spatial-temporal metabolic adaptations. EBioMedicine, 2018, 37, 144-157. | 6.1 | 68 |
| 29 | Clioblastoma on a microfluidic chip: Generating pseudopalisades and enhancing aggressiveness through blood vessel obstruction events. Neuro-Oncology, 2017, 19, now230. | 1.2 | 51 |
| 30 | Development and characterization of a microfluidic model of the tumour microenvironment. Scientific Reports, 2016, 6, 36086. | 3.3 | 95 |
| 31 | Hypoxia in Gliomas: Opening Therapeutical Opportunities Using a Mathematical-Based Approach. Advances in Experimental Medicine and Biology, 2016, 936, 11-29. | 1.6 | 4 |
| 32 | Study of the Chemotactic Response of Multicellular Spheroids in a Microfluidic Device. PLoS ONE, 2015, 10, e0139515. | 2.5 | 29 |
| 33 | Tau Protein Provides DNA with Thermodynamic and Structural Features which are Similar to those Found in Histone-DNA Complex. Journal of Alzheimer's Disease, 2014, 39, 649-660. | 2.6 | 34 |
| 34 | Specific binding of DNA to aggregated forms of Alzheimer's disease amyloid peptides. International Journal of Biological Macromolecules, 2013, 55, 201-206. | 7.5 | 20 |