JosÃ© M Ayuso

List of Publications by Year
in descending order

34	1,110	448610 19	466096 32
papers	citations	h-index	g-index

35	35	35	1267
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Breast cancer immunotherapy: Current biomarkers and the potential of inÂvitro assays. Current Opinion in Biomedical Engineering, 2022, 21, 100348.	1.8	2
2	From microfluidics to microphysiological systems: Past, present, and future. Organs-on-a-Chip, 2022, 4, 100015.	1.8	15
3	Role of the Skin Microenvironment in Melanomagenesis: Epidermal Keratinocytes and Dermal Fibroblasts Promote BRAF Oncogene-Induced Senescence Escape in Melanocytes. Cancers, 2022, 14, 1233.	1.7	6
4	Microphysiological model of renal cell carcinoma to inform anti-angiogenic therapy. Biomaterials, 2022, 283, 121454.	5.7	9
5	The Importance of the Tumor Microenvironment to Understand Tumor Origin, Evolution, and Treatment Response. Cancers, 2022, 14, 1983.	1.7	1
6	Innate immune cell response to host-parasite interaction in a human intestinal tissue microphysiological system. Science Advances, 2022, 8, eabm8012.	4.7	10
7	Atovaquone: An Inhibitor of Oxidative Phosphorylation as Studied in Gynecologic Cancers. Cancers, 2022, 14, 2297.	1.7	17
8	A role for microfluidic systems in precision medicine. Nature Communications, 2022, 13, .	5.8	63
9	Microfluidic model with air-walls reveals fibroblasts and keratinocytes modulate melanoma cell phenotype, migration, and metabolism. Lab on A Chip, 2021, 21, 1139-1149.	3.1	22
10	Microfluidic tumor-on-a-chip model to evaluate the role of tumor environmental stress on NK cell exhaustion. Science Advances, 2021, 7, .	4.7	82
11	Elucidating cancer-vascular paracrine signaling using a human organotypic breast cancer cell extravasation model. Biomaterials, 2021, 270, 120640.	5.7	25
12	Toward improved in vitro models of human cancer. APL Bioengineering, 2021, 5, 010902.	3.3	30
13	Social motility of biofilm-like microcolonies in a gliding bacterium. Nature Communications, 2021, 12, 5700.	5.8	16
14	Primary head and neck tumour-derived fibroblasts promote lymphangiogenesis in a lymphatic organotypic co-culture model. EBioMedicine, 2021, 73, 103634.	2.7	19
15	Microfluidic Systems to Study Neutrophil Forward and Reverse Migration. Frontiers in Immunology, 2021, 12, 781535.	2.2	5
16	Human Tumorâ€Lymphatic Microfluidic Model Reveals Differential Conditioning of Lymphatic Vessels by Breast Cancer Cells. Advanced Healthcare Materials, 2020, 9, e1900925.	3.9	45
17	Microfluidic lumen-based systems for advancing tubular organ modeling. Chemical Society Reviews, 2020, 49, 6402-6442.	18.7	54
18	Organotypic primary blood vessel models of clear cell renal cell carcinoma for single-patient clinical trials. Lab on A Chip, 2020, 20, 4420-4432.	3.1	21

#	Article	IF	Citations
19	Microfluidic Tumor-on-a-Chip Model to Study Tumor Metabolic Vulnerability. International Journal of Molecular Sciences, 2020, 21, 9075.	1.8	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.	1.7	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.	3.1	40
22	Tumor-on-a-chip: a microfluidic model to study cell response to environmental gradients. Lab on A Chip, 2019, 19, 3461-3471.	3.1	65
23	Effects of culture method on response to EGFR therapy in head and neck squamous cell carcinoma cells. Scientific Reports, 2019, 9, 12480.	1.6	30
24	Enabling cell recovery from 3D cell culture microfluidic devices for tumour microenvironment biomarker profiling. Scientific Reports, 2019, 9, 6199.	1.6	33
25	Modulation of Antioxidant Potential with Coenzyme Q10 Suppressed Invasion of Temozolomide-Resistant Rat Glioma In Vitro and In Vivo. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-14.	1.9	15
26	Development of a Microfluidic Array to Study Drug Response in Breast Cancer. Molecules, 2019, 24, 4385.	1.7	9
27	Evaluating natural killer cell cytotoxicity against solid tumors using a microfluidic model. OncoImmunology, 2019, 8, 1553477.	2.1	103
28	Organotypic microfluidic breast cancer model reveals starvation-induced spatial-temporal metabolic adaptations. EBioMedicine, 2018, 37, 144-157.	2.7	68
29	Glioblastoma on a microfluidic chip: Generating pseudopalisades and enhancing aggressiveness through blood vessel obstruction events. Neuro-Oncology, 2017, 19, now230.	0.6	51
30	Development and characterization of a microfluidic model of the tumour microenvironment. Scientific Reports, 2016, 6, 36086.	1.6	95
31	Hypoxia in Gliomas: Opening Therapeutical Opportunities Using a Mathematical-Based Approach. Advances in Experimental Medicine and Biology, 2016, 936, 11-29.	0.8	4
32	Study of the Chemotactic Response of Multicellular Spheroids in a Microfluidic Device. PLoS ONE, 2015, 10, e0139515.	1.1	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.	1.2	34
34	Specific binding of DNA to aggregated forms of Alzheimer's disease amyloid peptides. International Journal of Biological Macromolecules, 2013, 55, 201-206.	3.6	20