

# Andrea Pavesi

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,712  
citations

304743

22  
h-index

377865

34  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3170  
citing authors

#	ARTICLE	IF	CITATIONS
1	A 3D neurovascular microfluidic model consisting of neurons, astrocytes and cerebral endothelial cells as a blood-brain barrier. Lab on A Chip, 2017, 17, 448-459.	6.0	338
2	A 3D microfluidic model for preclinical evaluation of TCR-engineered T cells against solid tumors. JCI Insight, 2017, 2, .	5.0	169
3	Arabidopsis plants lacking PsbQ and PsbR subunits of the oxygen-evolving complex show altered supercomplex organization and short-term adaptive mechanisms. Plant Journal, 2013, 75, 671-684.	5.7	99
4	Controlled electromechanical cell stimulation on-a-chip. Scientific Reports, 2015, 5, 11800.	3.3	97
5	Characterizing the Role of Monocytes in T Cell Cancer Immunotherapy Using a 3D Microfluidic Model. Frontiers in Immunology, 2018, 9, 416.	4.8	91
6	Advances in microfluidics in combating infectious diseases. Biotechnology Advances, 2016, 34, 404-421.	11.7	79
7	Engineering a 3D microfluidic culture platform for tumor-treating field application. Scientific Reports, 2016, 6, 26584.	3.3	73
8	Oxygen levels in thermoplastic microfluidic devices during cell culture. Lab on A Chip, 2014, 14, 459-462.	6.0	71
9	Nonlytic Lymphocytes Engineered to Express Virus-Specific T-Cell Receptors Limit HBV Infection by Activating APOBEC3. Gastroenterology, 2018, 155, 180-193.e6.	1.3	66
10	Microfluidic models for adoptive cell-mediated cancer immunotherapies. Drug Discovery Today, 2016, 21, 1472-1478.	6.4	63
11	Monophasic and Biphasic Electrical Stimulation Induces a Precardiac Differentiation in Progenitor Cells Isolated from Human Heart. Stem Cells and Development, 2014, 23, 888-898.	2.1	52
12	METTL6 is a tRNA m <sup>3</sup> C methyltransferase that regulates pluripotency and tumor cell growth. Science Advances, 2020, 6, eaaz4551.	10.3	51
13	On-chip assessment of human primary cardiac fibroblasts proliferative responses to uniaxial cyclic mechanical strain. Biotechnology and Bioengineering, 2016, 113, 859-869.	3.3	50
14	How to embed three-dimensional flexible electrodes in microfluidic devices for cell culture applications. Lab on A Chip, 2011, 11, 1593.	6.0	49
15	Microfabrication and microfluidics for muscle tissue models. Progress in Biophysics and Molecular Biology, 2014, 115, 279-293.	2.9	43
16	MBNL1 alternative splicing isoforms play opposing roles in cancer. Life Science Alliance, 2018, 1, e201800157.	2.8	41
17	Human cardiac fibroblasts adaptive responses to controlled combined mechanical strain and oxygen changes in vitro. ELife, 2017, 6, .	6.0	41
18	Electrical conditioning of adipose-derived stem cells in a multi-chamber culture platform. Biotechnology and Bioengineering, 2014, 111, 1452-1463.	3.3	30

#	ARTICLE	IF	CITATIONS
19	Immunosuppressive Drug-Resistant Armored T-Cell Receptor T Cells for Immune Therapy of HCC in Liver Transplant Patients. <i>Hepatology</i> , 2021, 74, 200-213.	7.3	29
20	A combined microfluidic-transcriptomic approach to characterize the extravasation potential of cancer cells. <i>Oncotarget</i> , 2018, 9, 36110-36125.	1.8	26
21	Artificial hagfish protein fibers with ultra-high and tunable stiffness. <i>Nanoscale</i> , 2017, 9, 12908-12915.	5.6	24
22	A Pulsatile Simulator for the <i>in Vitro</i> Analysis of the Mitral Valve with Tri-Axial Papillary Muscle Displacement. <i>International Journal of Artificial Organs</i> , 2011, 34, 383-391.	1.4	23
23	Molecular Recalibration of PD-1+ Antigen-Specific T Cells from Blood and Liver. <i>Molecular Therapy</i> , 2018, 26, 2553-2566.	8.2	20
24	Phthalimide Derivative Shows Anti-angiogenic Activity in a 3D Microfluidic Model and No Teratogenicity in Zebrafish Embryos. <i>Frontiers in Pharmacology</i> , 2019, 10, 349.	3.5	20
25	A 3D pancreatic tumor model to study T cell infiltration. <i>Biomaterials Science</i> , 2021, 9, 7420-7431.	5.4	17
26	CRISPR-Mediated Base Conversion Allows Discriminatory Depletion of Endogenous T Cell Receptors for Enhanced Synthetic Immunity. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 19, 149-161.	4.1	14
27	Studying TCR T cell anti-tumor activity in a microfluidic intrahepatic tumor model. <i>Methods in Cell Biology</i> , 2018, 146, 199-214.	1.1	9
28	Human MAIT cells endowed with HBV specificity are cytotoxic and migrate towards HBV-HCC while retaining antimicrobial functions. <i>JHEP Reports</i> , 2021, 3, 100318.	4.9	5
29	Splice-Switching Antisense Oligonucleotides as a Targeted Intrinsic Engineering Tool for Generating Armored Redirected T Cells. <i>Nucleic Acid Therapeutics</i> , 2021, 31, 145-154.	3.6	3
30	Creating Multiple Organotypic Models on a Single 3D Cell Culture Platform. <i>BioTechniques</i> , 2017, 62, 132-133.	1.8	2
31	<i>in vitro</i> 3D liver tumor microenvironment models for immune cell therapy optimization. <i>APL Bioengineering</i> , 2021, 5, 041502.	6.2	2
32	A Human Neurovascular Unit On-a-Chip. <i>Methods in Molecular Biology</i> , 2022, 2373, 107-119.	0.9	1
33	Abstract A049: Three-dimensional microfluidic platform mimicking the tumor microenvironment. <i>Cancer Immunology Research</i> , 2019, 7, A049-A049.	3.4	1
34	Development of a Pulsatile Simulator for In-Vitro Analysis of the Mitral Valve Under Controlled Morphometric Conditions. , 2009, , .		0
35	Reply to the Letter by Saikrishnan et al about the Article by Vismara et al Published in <i>Int J Artif Organs</i> 2011; 34 (4): 383-391. <i>International Journal of Artificial Organs</i> , 2012, 35, 160-161.	1.4	0
36	Microbioreactor for cell cultures under uniaxial cyclic strain. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	T cell receptor-engineered mucosal-associated invariant T cells with antiviral cytotoxic potential against hepatitis virus replicating hepatoma cells. <i>Journal of Hepatology</i> , 2020, 73, S83-S84.	3.7	0
38	A Novel Bioreactor for In Vitro Electro-Mechanical Stimulation of Cardiac Constructs. , 2009, , .		0
39	Abstract 47: Analyzing immune cell infiltration of cancer spheroids in a 3D cell culture platform. , 2019, , .		0