Christopher C W Hughes

List of Publications by Year
in descending order

37 papers	3,534 citations	236925 25 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	5926 citing authors

#	Article	IF	Citations
1	Adoptive T-Cell Therapy in Advanced Colorectal Cancer: A Systematic Review. Oncologist, 2022, 27, 210-219.	3.7	7
2	Structure-based design of CDC42 effector interaction inhibitors for the treatment of cancer. Cell Reports, 2022, 39, 110641.	6.4	5
3	The vascular niche in next generation microphysiological systems. Lab on A Chip, 2021, 21, 3244-3262.	6.0	13
4	Engineering Vascularized Organoid-on-a-Chip Models. Annual Review of Biomedical Engineering, 2021, 23, 141-167.	12.3	67
5	Tumor-on-chip modeling of organ-specific cancer and metastasis. Advanced Drug Delivery Reviews, 2021, 175, 113798.	13.7	57
6	A modular microfluidic system based on a multilayered configuration to generate large-scale perfusable microvascular networks. Microsystems and Nanoengineering, 2021, 7, 4.	7.0	23
7	Regulation of Partial and Reversible Endothelial-to-Mesenchymal Transition in Angiogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 702021.	3.7	17
8	Human in vitro vascularized micro-organ and micro-tumor models are reproducible organ-on-a-chip platforms for studies of anticancer drugs. Toxicology, 2020, 445, 152601.	4.2	25
9	Slug regulates the Dll4-Notch-VEGFR2 axis to control endothelial cell activation and angiogenesis. Nature Communications, 2020, 11, 5400.	12.8	59
10	Deep Learning for Drug Discovery and Cancer Research: Automated Analysis of Vascularization Images. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 1029-1035.	3.0	38
11	Induction of Mesoderm and Neural Crest-Derived Pericytes from Human Pluripotent Stem Cells to Study Blood-Brain Barrier Interactions. Stem Cell Reports, 2019, 12, 451-460.	4.8	69
12	Pazopanib may reduce bleeding in hereditary hemorrhagic telangiectasia. Angiogenesis, 2019, 22, 145-155.	7.2	70
13	Evaluation of Different Decellularization Protocols on the Generation of Pancreas-Derived Hydrogels. Tissue Engineering - Part C: Methods, 2018, 24, 697-708.	2.1	60
14	Consensus guidelines for the use and interpretation of angiogenesis assays. Angiogenesis, 2018, 21, 425-532.	7.2	429
15	Multiscale modeling of glioblastoma. Translational Cancer Research, 2018, 7, S96-S98.	1.0	0
16	A vascularized and perfused organ-on-a-chip platform for large-scale drug screening applications. Lab on A Chip, 2017, 17, 511-520.	6.0	250
17	3D Anastomosed Microvascular Network Model with Living Capillary Networks and Endothelial Cell-Lined Microfluidic Channels. Methods in Molecular Biology, 2017, 1612, 325-344.	0.9	11
18	3D Mathematical Modeling of Glioblastoma Suggests That Transdifferentiated Vascular Endothelial Cells Mediate Resistance to Current Standard-of-Care Therapy. Cancer Research, 2017, 77, 4171-4184.	0.9	35

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19	Recapitulating the human tumor microenvironment: Colon tumor-derived extracellular matrix promotes angiogenesis and tumor cell growth. Biomaterials, 2017, 116, 118-129.	11.4	88
20	Three-Dimensional Adult Cardiac Extracellular Matrix Promotes Maturation of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Tissue Engineering - Part A, 2016, 22, 1016-1025.	3.1	109
21	Antibody-Mediated Phosphatidylserine Blockade Enhances the Antitumor Responses to CTLA-4 and PD-1 Antibodies in Melanoma. Cancer Immunology Research, 2016, 4, 531-540.	3.4	20
22	mTORC2 mediates CXCL12-induced angiogenesis. Angiogenesis, 2016, 19, 359-371.	7.2	48
23	Combination scaffolds of salmon fibrin, hyaluronic acid, and laminin for human neural stem cell and vascular tissue engineering. Acta Biomaterialia, 2016, 43, 122-138.	8.3	125
24	3D microtumors in vitro supported by perfused vascular networks. Scientific Reports, 2016, 6, 31589.	3.3	301
25	Phosphatidylserine-targeting antibodies augment the anti-tumorigenic activity of anti-PD-1 therapy by enhancing immune activation and downregulating pro-oncogenic factors induced by T-cell checkpoint inhibition in murine triple-negative breast cancers. Breast Cancer Research, 2016, 18, 50.	5.0	56
26	Engineering anastomosis between living capillary networks and endothelial cell-lined microfluidic channels. Lab on A Chip, 2016, 16, 282-290.	6.0	197
27	An on-chip microfluidic pressure regulator that facilitates reproducible loading of cells and hydrogels into microphysiological system platforms. Lab on A Chip, 2016, 16, 868-876.	6.0	37
28	Executive summary of the 11th HHT international scientific conference. Angiogenesis, 2015, 18, 511-524.	7.2	24
29	A Role for Partial Endothelialâ€"Mesenchymal Transitions in Angiogenesis?. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 303-308.	2.4	140
30	Angiogenic sprouting is regulated by endothelial cell expression of Slug (Snai2). Journal of Cell Science, 2014, 127, 2017-28.	2.0	85
31	A role for endothelial cellâ€derived Wnt5a in angiogenesis. FASEB Journal, 2012, 26, 48.4.	0.5	0
32	The requirement for fibroblasts in angiogenesis: fibroblast-derived matrix proteins are essential for endothelial cell lumen formation. Molecular Biology of the Cell, 2011, 22, 3791-3800.	2.1	391
33	Crosstalk Between Vascular Endothelial Growth Factor, Notch, and Transforming Growth Factor-Î² in Vascular Morphogenesis. Circulation Research, 2008, 102, 637-652.	4.5	300
34	Endothelial???stromal interactions in angiogenesis. Current Opinion in Hematology, 2008, 15, 204-209.	2.5	142
35	Christopher Hughes: An in vitro model for the Study of Angiogenesis (Interview). Journal of Visualized Experiments, 2007, , 175.	0.3	1
36	HESR1/CHF2 suppresses VEGFR2 transcription independent of binding to E-boxes. Biochemical and Biophysical Research Communications, 2006, 346, 637-648.	2.1	38

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37	Notch Activation during Endothelial Cell Network Formation in Vitro Targets the Basic HLH Transcription Factor HESR-1 and Downregulates VEGFR-2/KDR Expression. Microvascular Research, 2002, 64, 372-383.	2.5	186