

Valerie Lobjois

List of Publications by Year in descending order

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36
papers

1,562
citations

471509

17
h-index

377865

34
g-index

39
all docs

39
docs citations

39
times ranked

2566
citing authors

#	ARTICLE	IF	CITATIONS
1	CDC25 phosphatases in cancer cells: key players? Good targets?. Nature Reviews Cancer, 2007, 7, 495-507.	28.4	618
2	Multicellular tumor spheroid models to explore cell cycle checkpoints in 3D. BMC Cancer, 2013, 13, 73.	2.6	107
3	Specific regulation of cyclins D1 and D2 by FGF and Shh signaling coordinates cell cycle progression, patterning, and differentiation during early steps of spinal cord development. Developmental Biology, 2004, 273, 195-209.	2.0	81
4	Live cell division dynamics monitoring in 3D large spheroid tumor models using light sheet microscopy. Cell Division, 2011, 6, 22.	2.4	78
5	Cell-Cell Adhesion and Cytoskeleton Tension Oppose Each Other in Regulating Tumor Cell Aggregation. Cancer Research, 2015, 75, 2426-2433.	0.9	59
6	CDC25B Involvement in the Centrosome Duplication Cycle and in Microtubule Nucleation. Cancer Research, 2007, 67, 11557-11564.	0.9	58
7	Mechanical Stress Impairs Mitosis Progression in Multi-Cellular Tumor Spheroids. PLoS ONE, 2013, 8, e80447.	2.5	52
8	Deep and Clear Optical Imaging of Thick Inhomogeneous Samples. PLoS ONE, 2012, 7, e35795.	2.5	52
9	The polo-like kinase 1 regulates CDC25B-dependent mitosis entry. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 462-468.	4.1	51
10	Impact of physical confinement on nuclei geometry and cell division dynamics in 3D spheroids. Scientific Reports, 2018, 8, 8785.	3.3	43
11	Characterization of the physical properties of tumor-derived spheroids reveals critical insights for pre-clinical studies. Scientific Reports, 2019, 9, 6597.	3.3	43
12	Oxygen Partial Pressure Is a Rate-Limiting Parameter for Cell Proliferation in 3D Spheroids Grown in Physioxenic Culture Condition. PLoS ONE, 2016, 11, e0161239.	2.5	41
13	Identification of an unexpected link between the Shh pathway and a G2/M regulator, the phosphatase CDC25B. Developmental Biology, 2006, 294, 133-147.	2.0	37
14	Cell cycle and apoptotic effects of SAHA are regulated by the cellular microenvironment in HCT116 multicellular tumour spheroids. European Journal of Cancer, 2009, 45, 2402-2411.	2.8	32
15	Study of the docking-dependent PLK1 phosphorylation of the CDC25B phosphatase. Biochemical and Biophysical Research Communications, 2011, 410, 87-90.	2.1	22
16	3D print customized sample holders for live light sheet microscopy. Biochemical and Biophysical Research Communications, 2015, 463, 1141-1143.	2.1	19
17	Microdevice arrays of high aspect ratio poly(dimethylsiloxane) pillars for the investigation of multicellular tumour spheroid mechanical properties. Lab on A Chip, 2014, 14, 2344-2353.	6.0	18
18	A versatile sample holder for single plane illumination microscopy. Journal of Microscopy, 2013, 251, 128-132.	1.8	17

#	ARTICLE	IF	CITATIONS
19	Viscoelastic modeling of the fusion of multicellular tumor spheroids in growth phase. <i>Journal of Theoretical Biology</i> , 2018, 454, 102-109.	1.7	17
20	Measure and characterization of the forces exerted by growing multicellular spheroids using microdevice arrays. <i>PLoS ONE</i> , 2019, 14, e0217227.	2.5	15
21	3D imaging of the response to CDC25 inhibition in multicellular spheroids. <i>Cancer Biology and Therapy</i> , 2009, 8, 2228-2234.	3.4	14
22	Gap junctions contribute to anchorage-independent clustering of breast cancer cells. <i>BMC Cancer</i> , 2018, 18, 221.	2.6	14
23	Structure Tensor Based Analysis of Cells and Nuclei Organization in Tissues. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 294-306.	8.9	13
24	A new mitotic-cell specific monoclonal antibody. <i>Cell Cycle</i> , 2008, 7, 267-268.	2.6	10
25	A checkpoint-oriented cell cycle simulation model. <i>Cell Cycle</i> , 2019, 18, 795-808.	2.6	10
26	Experimental estimation of stored stress within spherical microtissues. <i>Journal of Mathematical Biology</i> , 2018, 77, 1073-1092.	1.9	8
27	Phosphorylation of CDC25C at S263 controls its intracellular localisation. <i>FEBS Letters</i> , 2007, 581, 3979-3985.	2.8	6
28	Mitotic arrest affects clustering of tumor cells. <i>Cell Division</i> , 2021, 16, 2.	2.4	5
29	Monitoring the Activation of the DNA Damage Response Pathway in a 3D Spheroid Model. <i>PLoS ONE</i> , 2015, 10, e0134411.	2.5	5
30	Evaluation by quantitative image analysis of anticancer drug activity on multicellular spheroids grown in 3D matrices. <i>Oncology Letters</i> , 2016, 12, 4371-4376.	1.8	4
31	Single-cell imaging of the cell cycle reveals CDC25B-induced heterogeneity of G1 phase length in neural progenitor cells. <i>Development (Cambridge)</i> , 2022, 149, .	2.5	4
32	Are Tumor Cell Lineages Solely Shaped by Mechanical Forces?. <i>Bulletin of Mathematical Biology</i> , 2017, 79, 2356-2393.	1.9	3
33	Reversible growth arrest of 3D tumor spheroids stored in oxygen absorber-induced anoxia. <i>Oncology Letters</i> , 2017, 15, 2006-2009.	1.8	2
34	Anchorage-Independent Tumor Cells Clustering and Implication in Metastatic Dissemination. <i>Cancer Therapy & Oncology International Journal</i> , 2017, 6, .	0.1	2
35	A Checkpoint-Orientated Modelling for Cell Cycle Simulation. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012, , 40-47.	0.3	1
36	Quantitative Analysis of Cell Aggregation Dynamics Identifies HDAC Inhibitors as Potential Regulators of Cancer Cell Clustering. <i>Cancers</i> , 2021, 13, 5840.	3.7	1