

Xuefen Le Bourhis

List of Publications by Year in descending order

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69
papers

4,207
citations

126907

33
h-index

110387

64
g-index

71
all docs

71
docs citations

71
times ranked

6597
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic state of glioma stem cells and nontumorigenic cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16062-16067.	7.1	433
2	Radiation-Induced Reprogramming of Breast Cancer Cells. Stem Cells, 2012, 30, 833-844.	3.2	329
3	In Vivo Imaging, Tracking, and Targeting of Cancer Stem Cells. Journal of the National Cancer Institute, 2009, 101, 350-359.	6.3	247
4	Nerve Growth Factor Stimulates Proliferation and Survival of Human Breast Cancer Cells through Two Distinct Signaling Pathways. Journal of Biological Chemistry, 2001, 276, 17864-17870.	3.4	200
5	non coding RNA-derived miR-675 enhances tumorigenesis and metastasis of breast cancer cells by downregulating c-Cbl and Cbl-b. Oncotarget, 2015, 6, 29209-29223.	1.8	193
6	Ionizing Radiation Activates the Nrf2 Antioxidant Response. Cancer Research, 2010, 70, 8886-8895.	0.9	176
7	Nerve Growth Factor Is a Potential Therapeutic Target in Breast Cancer. Cancer Research, 2008, 68, 346-351.	0.9	153
8	Survival and self-renewing capacity of breast cancer initiating cells during fractionated radiation treatment. Breast Cancer Research, 2010, 12, R13.	5.0	140
9	Metabolic differences in breast cancer stem cells and differentiated progeny. Breast Cancer Research and Treatment, 2014, 146, 525-534.	2.5	114
10	The role of long non-coding RNAs in genome formatting and expression. Frontiers in Genetics, 2015, 6, 165.	2.3	107
11	Brain-Derived Neurotrophic Factor and Neurotrophin-4/5 Are Expressed in Breast Cancer and Can Be Targeted to Inhibit Tumor Cell Survival. Clinical Cancer Research, 2011, 17, 1741-1752.	7.0	105
12	Nerve growth factor promotes breast cancer angiogenesis by activating multiple pathways. Molecular Cancer, 2010, 9, 157.	19.2	98
13	Role of p75 neurotrophin receptor in stem cell biology: more than just a marker. Cellular and Molecular Life Sciences, 2014, 71, 2467-2481.	5.4	92
14	How Do Gangliosides Regulate RTKs Signaling?. Cells, 2013, 2, 751-767.	4.1	88
15	Nerve Growth Factor Receptors and Signaling in Breast Cancer. Current Cancer Drug Targets, 2004, 4, 463-470.	1.6	86
16	The ganglioside GD2 induces the constitutive activation of c-Met in MDA-MB-231 breast cancer cells expressing the GD3 synthase. Glycobiology, 2012, 22, 806-816.	2.5	83
17	The long non-coding RNA H19: an active player with multiple facets to sustain the hallmarks of cancer. Cellular and Molecular Life Sciences, 2019, 76, 4673-4687.	5.4	82
18	Stable expression of sialyl-Tn antigen in T47-D cells induces a decrease of cell adhesion and an increase of cell migration. Breast Cancer Research and Treatment, 2005, 90, 77-84.	2.5	77

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19	Regulation of Human Breast Cancer by the Long Non-Coding RNA H19. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2319.	4.1	74
20	The RNA-Binding Protein Musashi-1 Regulates Proteasome Subunit Expression in Breast Cancer- and Glioma-Initiating Cells. <i>Stem Cells</i> , 2014, 32, 135-144.	3.2	70
21	Pro-nerve Growth Factor Induces Autocrine Stimulation of Breast Cancer Cell Invasion through Tropomyosin-related Kinase A (TrkA) and Sortilin Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 1923-1931.	3.4	69
22	Expression of sialyl-Tn antigen in breast cancer cells transfected with the human CMP-Neu5Ac: GalNAc alpha2,6-sialyltransferase (ST6GalNAc I) cDNA. <i>Glycoconjugate Journal</i> , 2001, 18, 883-893.	2.7	65
23	GD3 Synthase Expression Enhances Proliferation and Tumor Growth of MDA-MB-231 Breast Cancer Cells through c-Met Activation. <i>Molecular Cancer Research</i> , 2010, 8, 1526-1535.	3.4	64
24	Tumor cells with low proteasome subunit expression predict overall survival in head and neck cancer patients. <i>BMC Cancer</i> , 2014, 14, 152.	2.6	56
25	Radiation-Induced Notch Signaling in Breast Cancer Stem Cells. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 609-618.	0.8	55
26	Neurotrophin signaling in cancer stem cells. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 1859-1870.	5.4	55
27	G ₃ synthase overexpression enhances proliferation and migration of MDA-MB-231 breast cancer cells. <i>Biological Chemistry</i> , 2009, 390, 601-609.	2.5	54
28	Overexpression of p75 ^{NTR} increases survival of breast cancer cells through p21 ^{waf1} . <i>Cellular Signalling</i> , 2010, 22, 1864-1873.	3.6	54
29	Nerve Growth Factor and proNGF Simultaneously Promote Symmetric Self-Renewal, Quiescence, and Epithelial to Mesenchymal Transition to Enlarge the Breast Cancer Stem Cell Compartment. <i>Stem Cells</i> , 2015, 33, 342-353.	3.2	50
30	Normal breast epithelial cells induce p53-dependent apoptosis and p53-independent cell cycle arrest of breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2002, 71, 269-280.	2.5	42
31	Proteomics of Breast Cancer: The Quest for Markers and Therapeutic Targets. <i>Journal of Proteome Research</i> , 2008, 7, 1403-1411.	3.7	41
32	Cross-Talk between Mesenchyme and Epithelium Increases H19 Gene Expression during Scattering and Morphogenesis of Epithelial Cells. <i>Experimental Cell Research</i> , 2002, 275, 215-229.	2.6	39
33	Normal Breast Epithelial Cells Induce Apoptosis of Breast Cancer Cells via Fas Signaling. <i>Experimental Cell Research</i> , 2002, 275, 31-43.	2.6	36
34	The histone lysine methyltransferase Ezh2 is required for maintenance of the intestine integrity and for caudal fin regeneration in zebrafish. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 1079-1093.	1.9	35
35	Nerve Growth Factor Receptor TrkA Signaling in Breast Cancer Cells Involves Ku70 to Prevent Apoptosis. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1842-1854.	3.8	34
36	Oxygen Levels Do Not Determine Radiation Survival of Breast Cancer Stem Cells. <i>PLoS ONE</i> , 2012, 7, e34545.	2.5	33

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37	Targeted elimination of breast cancer cells with low proteasome activity is sufficient for tumor regression. <i>Breast Cancer Research and Treatment</i> , 2013, 141, 197-203.	2.5	31
38	Genetic Engineering of Zebrafish in Cancer Research. <i>Cancers</i> , 2020, 12, 2168.	3.7	30
39	Role of endothelial progenitor cells in breast cancer angiogenesis: from fundamental research to clinical ramifications. <i>Breast Cancer Research and Treatment</i> , 2010, 120, 17-24.	2.5	28
40	Proteomics Demonstration That Normal Breast Epithelial Cells Can Induce Apoptosis of Breast Cancer Cells through Insulin-like Growth Factor-binding Protein-3 and Maspin. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1239-1247.	3.8	27
41	Differential Effects of the Proteasome Inhibitor NPI-0052 against Glioma Cells. <i>Translational Oncology</i> , 2010, 3, 50-55.	3.7	27
42	NGF-induced TrkA/CD44 association is involved in tumor aggressiveness and resistance to lestaurtinib. <i>Oncotarget</i> , 2015, 6, 9807-9819.	1.8	27
43	Enhancement of Breast Cancer Cell Aggressiveness by lncRNA H19 and its Mir-675 Derivative: Insight into Shared and Different Actions. <i>Cancers</i> , 2020, 12, 1730.	3.7	26
44	Radioresistance of prostate cancer cells with low proteasome activity. <i>Prostate</i> , 2012, 72, 868-874.	2.3	25
45	ProNGF increases breast tumor aggressiveness through functional association of TrkA with EphA2. <i>Cancer Letters</i> , 2019, 449, 196-206.	7.2	25
46	Accumulation of Unusual Gangliosides GQ3 and GP3 in Breast Cancer Cells Expressing the GD3 Synthase. <i>Molecules</i> , 2012, 17, 9559-9572.	3.8	22
47	Synuclein gamma expression enhances radiation resistance of breast cancer cells. <i>Oncotarget</i> , 2018, 9, 27435-27447.	1.8	22
48	The Polycomb Group Protein Pcgf1 Is Dispensable in Zebrafish but Involved in Early Growth and Aging. <i>PLoS ONE</i> , 2016, 11, e0158700.	2.5	18
49	Ezh1 arises from Ezh2 gene duplication but its function is not required for zebrafish development. <i>Scientific Reports</i> , 2019, 9, 4319.	3.3	17
50	Robot-Assisted SpiderMass for <i>In Vivo</i> Real-Time Topography Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021, 93, 14383-14391.	6.5	16
51	Ku86 is important for TrkA overexpression-induced breast cancer cell invasion. <i>Proteomics - Clinical Applications</i> , 2010, 4, 580-590.	1.6	15
52	Vimentin Promotes the Aggressiveness of Triple Negative Breast Cancer Cells Surviving Chemotherapeutic Treatment. <i>Cells</i> , 2021, 10, 1504.	4.1	14
53	Propagation and Maintenance of Cancer Stem Cells: A Major Influence of the Long Non-Coding RNA H19. <i>Cells</i> , 2020, 9, 2613.	4.1	12
54	Proteome changes induced by overexpression of the p75 neurotrophin receptor (p75NTR) in breast cancer cells. <i>International Journal of Developmental Biology</i> , 2011, 55, 801-809.	0.6	11

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55	CD44 and CD24 Expression and Prognostic Significance in Canine Mammary Tumors. <i>Veterinary Pathology</i> , 2019, 56, 377-388.	1.7	11
56	Combining genotypic and phenotypic analyses on single mutant zebrafish larvae. <i>MethodsX</i> , 2018, 5, 244-256.	1.6	10
57	H3.3K27M Mutation Controls Cell Growth and Resistance to Therapies in Pediatric Glioma Cell Lines. <i>Cancers</i> , 2021, 13, 5551.	3.7	10
58	Role of GD3 Synthase ST8Sia I in Cancers. <i>Cancers</i> , 2022, 14, 1299.	3.7	10
59	Developing a MEMS Device with Built-in Microfluidics for Biophysical Single Cell Characterization. <i>Micromachines</i> , 2018, 9, 275.	2.9	9
60	Transcriptomic Analysis of Breast Cancer Stem Cells and Development of a pALDH1A1:mNeptune Reporter System for Live Tracking. <i>Proteomics</i> , 2019, 19, e1800454.	2.2	7
61	s-SHIP Promoter Expression Identifies Mouse Mammary Cancer Stem Cells. <i>Stem Cell Reports</i> , 2019, 13, 10-20.	4.8	7
62	Normal Breast Epithelial Cells Induce Apoptosis of MCF-7 Breast Cancer Cells through a p53-Mediated Pathway. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 2000, 3, 338-344.	1.6	6
63	Evofosfamide Is Effective against Pediatric Aggressive Glioma Cell Lines in Hypoxic Conditions and Potentiates the Effect of Cytotoxic Chemotherapy and Ionizing Radiations. <i>Cancers</i> , 2021, 13, 1804.	3.7	5
64	Catch-22: does breast cancer radiotherapy have negative impacts too?. <i>Future Oncology</i> , 2012, 8, 643-645.	2.4	2
65	Expression and Prognostic Significance of Neurotrophins and Their Receptors in Canine Mammary Tumors. <i>Veterinary Pathology</i> , 2020, 57, 507-519.	1.7	2
66	The Polycomb Orthologues in Teleost Fishes and Their Expression in the Zebrafish Model. <i>Genes</i> , 2020, 11, 362.	2.4	2
67	Loss of Polycomb Repressive Complex 2 Function Alters Digestive Organ Homeostasis and Neuronal Differentiation in Zebrafish. <i>Cells</i> , 2021, 10, 3142.	4.1	1
68	WhatsApp com between glioma stem cells and differentiated cells to sustain tumor growth. <i>Stem Cell Investigation</i> , 2018, 5, 28-28.	3.0	0
69	Developing A Mems Device for High-Throughput Multi-Parameter Single Cell Biophysical Analysis. , 2021, , .		0