Charlotte Kuperwasser

List of Publications by Year
in descending order

74 papers	11,891 citations	57758 44 h-index	79698 73 g-index
75 all docs	75 docs citations	75 times ranked	17182 citing authors

#	Article	IF	Citations
1	Identification of Selective Inhibitors of Cancer Stem Cells by High-Throughput Screening. Cell, 2009, 138, 645-659.	28.9	2,200
2	Stochastic State Transitions Give Rise to Phenotypic Equilibrium in Populations of Cancer Cells. Cell, 2011, 146, 633-644.	28.9	1,334
3	Normal and neoplastic nonstem cells can spontaneously convert to a stem-like state. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7950-7955.	7.1	1,024
4	Human breast cancer cell lines contain stem-like cells that self-renew, give rise to phenotypically diverse progeny and survive chemotherapy. Breast Cancer Research, 2008, 10, R25.	5.0	902
5	Reconstruction of functionally normal and malignant human breast tissues in mice. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4966-4971.	7.1	704
6	The melanocyte differentiation program predisposes to metastasis after neoplastic transformation. Nature Genetics, 2005, 37, 1047-1054.	21.4	404
7	Phenotypic Plasticity: Driver of Cancer Initiation, Progression, and Therapy Resistance. Cell Stem Cell, 2019, 24, 65-78.	11.1	399
8	A Novel Lung Metastasis Signature Links Wnt Signaling with Cancer Cell Self-Renewal and Epithelial-Mesenchymal Transition in Basal-like Breast Cancer. Cancer Research, 2009, 69, 5364-5373.	0.9	360
9	Genetic Predisposition Directs Breast Cancer Phenotype by Dictating Progenitor Cell Fate. Cell Stem Cell, 2011, 8, 149-163.	11.1	327
10	Estrogen expands breast cancer stem-like cells through paracrine FGF/Tbx3 signaling. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21737-21742.	7.1	236
11	Obesity Promotes Breast Cancer by CCL2-Mediated Macrophage Recruitment and Angiogenesis. Cancer Research, 2013, 73, 6080-6093.	0.9	220
12	Defining the cellular precursors to human breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2772-2777.	7.1	185
13	Development of Spontaneous Mammary Tumors in BALB/c p53 Heterozygous Mice. American Journal of Pathology, 2000, 157, 2151-2159.	3.8	178
14	A Mouse Model of Human Breast Cancer Metastasis to Human Bone. Cancer Research, 2005, 65, 6130-6138.	0.9	178
15	Mapping the cellular and molecular heterogeneity of normal and malignant breast tissues and cultured cell lines. Breast Cancer Research, 2010, 12, R87.	5.0	165
16	Systemic Stromal Effects of Estrogen Promote the Growth of Estrogen Receptorâ€“Negative Cancers. Cancer Research, 2007, 67, 2062-2071.	0.9	149
17	GLI1 regulates a novel neuropilinâ€2/Î±6Î²1 integrin based autocrine pathway that contributes to breast cancer initiation. EMBO Molecular Medicine, 2013, 5, 488-508.	6.9	140
18	The Hippo Transducer TAZ Interacts with the SWI/SNF Complex to Regulate Breast Epithelial Lineage Commitment. Cell Reports, 2014, 6, 1059-1072.	6.4	139

#	Article	IF	Citations
19	Human breast cancer stem cell markers CD44 and CD24: enriching for cells with functional properties in mice or in man?. Breast Cancer Research, 2007, 9, 303.	5.0	132
20	Reconstruction of human mammary tissues in a mouse model. Nature Protocols, 2006, 1, 206-214.	12.0	131
21	Cyclin D1 Kinase Activity Is Required for the Self-Renewal of Mammary Stem and Progenitor Cells that Are Targets of MMTV-ErbB2 Tumorigenesis. Cancer Cell, 2010, 17, 65-76.	16.8	123
22	The RasGAP Gene, RASAL2, Is a Tumor and Metastasis Suppressor. Cancer Cell, 2013, 24, 365-378.	16.8	120
23	Stroma in breast development and disease. Seminars in Cell and Developmental Biology, 2010, 21, 11-18.	5.0	113
24	SLUG: Critical regulator of epithelial cell identity in breast development and cancer. Cell Adhesion and Migration, 2014, 8, 578-587.	2.7	108
25	Haploinsufficiency for BRCA1 leads to cell-type-specific genomic instability and premature senescence. Nature Communications, 2015, 6, 7505.	12.8	101
26	Form and Function: how Estrogen and Progesterone Regulate the Mammary Epithelial Hierarchy. Journal of Mammary Gland Biology and Neoplasia, 2015, 20, 9-25.	2.7	100
27	Fibroblast-secreted hepatocyte growth factor mediates epidermal growth factor receptor tyrosine kinase inhibitor resistance in triple-negative breast cancers through paracrine activation of Met. Breast Cancer Research, 2012, 14, R104.	5.0	87
28	Cell-State Transitions Regulated by SLUG Are Critical for Tissue Regeneration and Tumor Initiation. Stem Cell Reports, 2014, 2, 633-647.	4.8	85
29	The SIRT2 Deacetylase Stabilizes Slug to Control Malignancy of Basal-like Breast Cancer. Cell Reports, 2016, 17, 1302-1317.	6.4	85
30	NDY1/KDM2B Functions as a Master Regulator of Polycomb Complexes and Controls Self-Renewal of Breast Cancer Stem Cells. Cancer Research, 2014, 74, 3935-3946.	0.9	79
31	Distinct roles of the three Akt isoforms in lactogenic differentiation and involution. Journal of Cellular Physiology, 2008, 217, 468-477.	4.1	75
32	Molecular regulation of Snai2 in development and disease. Journal of Cell Science, 2019, 132, .	2.0	71
33	Contributions of estrogen to ER-negative breast tumor growth. Journal of Steroid Biochemistry and Molecular Biology, 2006, 102, 71-78.	2.5	69
34	Cyclin D1 Activity Regulates Autophagy and Senescence in the Mammary Epithelium. Cancer Research, 2012, 72, 6477-6489.	0.9	62
35	Loss of RasGAP Tumor Suppressors Underlies the Aggressive Nature of Luminal B Breast Cancers. Cancer Discovery, 2017, 7, 202-217.	9.4	57
36	Automated quantification of three-dimensional organization of fiber-like structures in biological tissues. Biomaterials, 2017, 116, 34-47.	11.4	55

#	Article	IF	Citations
37	Endothelial Akt Signaling Is Rate-Limiting for Rapamycin Inhibition of Mouse Mammary Tumor Progression. Cancer Research, 2007, 67, 5070-5075.	0.9	54
38	Rapid three-dimensional quantification of voxel-wise collagen fiber orientation. Biomedical Optics Express, 2015, 6, 2294.	2.9	52
39	Alterations of the HBP1 Transcriptional Repressor Are Associated with Invasive Breast Cancer. Cancer Research, 2007, 67, 6136-6145.	0.9	51
40	Dissecting genetic requirements of human breast tumorigenesis in a tissue transgenic model of human breast cancer in mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7022-7027.	7.1	51
41	Estrogen Promotes ER-Negative Tumor Growth and Angiogenesis through Mobilization of Bone Marrowâ€"Derived Monocytes. Cancer Research, 2012, 72, 2705-2713.	0.9	51
42	The fibroblast Tiam1-osteopontin pathway modulates breast cancer invasion and metastasis. Breast Cancer Research, 2016, 18, 14.	5.0	51
43	Stroma: Tumor Agonist or Antagonist. Cell Cycle, 2005, 4, 1022-1025.	2.6	48
44	Functional Heterogeneity of Breast Fibroblasts Is Defined by a Prostaglandin Secretory Phenotype that Promotes Expansion of Cancer-Stem Like Cells. PLoS ONE, 2011, 6, e24605.	2.5	47
45	Detection of Occult Recurrence Using Circulating Tumor Tissue Modified Viral HPV DNA among Patients Treated for HPV-Driven Oropharyngeal Carcinoma. Clinical Cancer Research, 2022, 28, 4292-4301.	7.0	45
46	Ultra-sensitive protein detection via Single Molecule Arrays towards early stage cancer monitoring. Scientific Reports, 2015, 5, 11034.	3.3	43
47	Mechanisms of HERV-K (HML-2) Transcription during Human Mammary Epithelial Cell Transformation. Journal of Virology, 2018, 92, .	3.4	33
48	Promoter expression of HERV-K (HML-2) provirus-derived sequences is related to LTR sequence variation and polymorphic transcription factor binding sites. Retrovirology, 2018, 15, 57.	2.0	33
49	The contribution of dynamic stromal remodeling during mammary development to breast carcinogenesis. Breast Cancer Research, 2010, 12, 205.	5.0	32
50	Stromal biomarkers in breast cancer development and progression. Clinical and Experimental Metastasis, 2012, 29, 663-672.	3.3	32
51	Identification of FUBP1 as a Long Tail Cancer Driver and Widespread Regulator of Tumor Suppressor and Oncogene Alternative Splicing. Cell Reports, 2019, 28, 3435-3449.e5.	6.4	32
52	Loss of Slug Compromises DNA Damage Repair and Accelerates Stem Cell Aging in Mammary Epithelium. Cell Reports, 2019, 28, 394-407.e6.	6.4	30
53	Using defined fingerâ€"finger interfaces as units of assembly for constructing zinc-finger nucleases. Nucleic Acids Research, 2013, 41, 2455-2465.	14.5	27
54	Anatomical localization of progenitor cells in human breast tissue reveals enrichment of uncommitted cells within immature lobules. Breast Cancer Research, 2014, 16, 453.	5.0	26

#	Article	IF	Citations
55	Pregnancy-associated breast cancers are driven by differences in adipose stromal cells present during lactation. Breast Cancer Research, 2014, 16, R2.	5.0	26
56	Cell Fate Decisions During Breast Cancer Development. Journal of Developmental Biology, 2016, 4, 4.	1.7	22
57	BRCA1-hapoinsufficiency: Unraveling the molecular and cellular basis for tissue-specific cancer. Cell Cycle, 2016, 15, 621-627.	2.6	22
58	Premature polyadenylation of MAGI3 produces a dominantly-acting oncogene in human breast cancer. ELife, 2016, 5, .	6.0	20
59	Human Breast Progenitor Cell Numbers Are Regulated by WNT and TBX3. PLoS ONE, 2014, 9, e111442.	2.5	18
60	Premature polyadenylation of MAGI3 is associated with diminished N6-methyladenosine in its large internal exon. Scientific Reports, 2018, 8, 1415.	3.3	17
61	Epigenetic Reprogramming of Lineage-Committed Human Mammary Epithelial Cells Requires DNMT3A and Loss of DOT1L. Stem Cell Reports, 2017, 9, 943-955.	4.8	16
62	Regulation of p53 and its targets during involution of the mammary gland. Journal of Mammary Gland Biology and Neoplasia, 1999, 4, 177-181.	2.7	15
63	Stem Cell Maintenance of the Mammary Gland: It Takes Two. Cell Stem Cell, 2011, 9, 496-497.	11.1	13
64	Working stiff: How obesity boosts cancer risk. Science Translational Medicine, 2015, 7, 301fs34.	12.4	13
65	Disease models of breast cancer. Drug Discovery Today: Disease Models, 2004, 1, 9-16.	1.2	12
66	Microenvironmental control of cell fate decisions in mammary gland development and cancer. Developmental Cell, 2021, 56, 1875-1883.	7.0	12
67	The Tumor Stromal Microenvironment as Modulator of Malignant Behavior. Journal of Mammary Gland Biology and Neoplasia, 2010, 15, 377-379.	2.7	10
68	Breast tissue regeneration is driven by cell-matrix interactions coordinating multi-lineage stem cell differentiation through DDR1. Nature Communications, 2021, 12, 7116.	12.8	10
69	BCL11B Drives Human Mammary Stem Cell Self-Renewal InÂVitro by Inhibiting Basal Differentiation. Stem Cell Reports, 2018, 10, 1131-1145.	4.8	9
70	CoREST1 Promotes Tumor Formation and Tumor Stroma Interactions in a Mouse Model of Breast Cancer. PLoS ONE, 2015, 10, e0121281.	2.5	7
71	Humanization of the Mouse Mammary Gland. Methods in Molecular Biology, 2015, 1293, 173-186.	0.9	7
72	Extracellular superoxide dismutase inhibits hepatocyte growth factor-mediated breast cancer-fibroblast interactions. Oncotarget, 2017, 8, 107390-107408.	1.8	6

#	Article	IF	Citations
73	Evolving barcodes shed light into evolving metastases. Developmental Cell, 2021, 56, 1077-1079.	7.0	1
74	Human Mammary Epithelial Stem/Progenitor Cells. , 2013, , 235-244.		0