Martha R Stampfer

List of Publications by Year
in descending order

85 papers	5,799 citations	61984 43 h-index	76900 74 g-index
86 all docs	86 docs citations	86 times ranked	7436 citing authors

#	Article	IF	Citations
1	Normal human mammary epithelial cells spontaneously escape senescence and acquire genomic changes. Nature, 2001, 409, 633-637.	27.8	604
2	p53 Mutations in human immortalized epithelial cell lines. Carcinogenesis, 1993, 14, 833-839.	2.8	406
3	In situ analyses of genome instability in breast cancer. Nature Genetics, 2004, 36, 984-988.	21.4	337
4	Role for DNA Methylation in the Regulation of miR-200c and miR-141 Expression in Normal and Cancer Cells. PLoS ONE, 2010, 5, e8697.	2.5	268
5	Increased p16 expression with first senescence arrest in human mammary epithelial cells and extended growth capacity with p16 inactivation. Oncogene, 1998, 17, 199-205.	5.9	249
6	Cell type-specific DNA methylation patterns in the human breast. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14076-14081.	7.1	210
7	Human mammary progenitor cell fate decisions are products of interactions with combinatorial microenvironments. Integrative Biology (United Kingdom), 2009, 1, 70-79.	1.3	166
8	Molecular Distinctions between Stasis and Telomere Attrition Senescence Barriers Shown by Long-term Culture of Normal Human Mammary Epithelial Cells. Cancer Research, 2009, 69, 7557-7568.	0.9	144
9	Effects of Sequence of Thioated Oligonucleotides on Cultured Human Mammary Epithelial Cells. Antisense Research and Development, 1993, 3, 67-77.	3.1	133
10	Chromatin Inactivation Precedes De Novo DNA Methylation during the Progressive Epigenetic Silencing of the RASSF1A Promoter. Molecular and Cellular Biology, 2005, 25, 3923-3933.	2.3	123
11	Exon-Level Microarray Analyses Identify Alternative Splicing Programs in Breast Cancer. Molecular Cancer Research, 2010, 8, 961-974.	3.4	121
12	Stepwise DNA Methylation Changes Are Linked to Escape from Defined Proliferation Barriers and Mammary Epithelial Cell Immortalization. Cancer Research, 2009, 69, 5251-5258.	0.9	113
13	miRNA Gene Promoters Are Frequent Targets of Aberrant DNA Methylation in Human Breast Cancer. PLoS ONE, 2013, 8, e54398.	2.5	110
14	Accumulation of Multipotent Progenitors with a Basal Differentiation Bias during Aging of Human Mammary Epithelia. Cancer Research, 2012, 72, 3687-3701.	0.9	94
15	Cholera toxin stimulation of human mammary epithelial cells in culture. In Vitro, 1982, 18, 531-537.	1.2	91
16	TGF-Î² signaling engages an ATM-CHK2-p53â€“independent RAS-induced senescence and prevents malignant transformation in human mammary epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8668-8673.	7.1	86
17	Raf-1-induced growth arrest in human mammary epithelial cells is p16-independent and is overcome in immortal cells during conversion. Oncogene, 2002, 21, 6328-6339.	5.9	82
18	Oncogene-induced basement membrane invasiveness in human mammary epithelial cells. Clinical and Experimental Metastasis, 1994, 12, 181-194.	3.3	78

#	Article	IF	Citations
19	Blockage of EGF Receptor Signal Transduction Causes Reversible Arrest of Normal and Immortal Human Mammary Epithelial Cells with Synchronous Reentry into the Cell Cycle. Experimental Cell Research, 1993, 208, 175-188.	2.6	77
20	DNA Repair Gene Patterns as Prognostic and Predictive Factors in Molecular Breast Cancer Subtypes. Oncologist, 2013, 18, 1063-1073.	3.7	75
21	Age-Related Dysfunction in Mechanotransduction Impairs Differentiation of Human Mammary Epithelial Progenitors. Cell Reports, 2014, 7, 1926-1939.	6.4	74
22	Growth of diploid cells from breast cancers. Cancer Genetics and Cytogenetics, 1985, 16, 49-64.	1.0	71
23	Human epithelial cell immortalization as a step in carcinogenesis. Cancer Letters, 2003, 194, 199-208.	7.2	70
24	Chromosome analyses of human mammary epithelial cells at stages of chemical-induced transformation progression to immortality. Cancer Genetics and Cytogenetics, 1989, 37, 249-261.	1.0	69
25	Epigenetic regulation of normal human mammary cell typeâ€“specific miRNAs. Genome Research, 2011, 21, 2026-2037.	5.5	68
26	TGF? induction of extracellular matrix associated proteins in normal and transformed human mammary epithelial cells in culture is independent of growth effects. Journal of Cellular Physiology, 1993, 155, 210-221.	4.1	65
27	Inactivation of p53 Function in Cultured Human Mammary Epithelial Cells Turns the Telomere-Length Dependent Senescence Barrier from Agonescence into Crisis. Cell Cycle, 2007, 6, 1927-1936.	2.6	65
28	Gradual Phenotypic Conversion Associated with Immortalization of Cultured Human Mammary Epithelial Cells. Molecular Biology of the Cell, 1997, 8, 2391-2405.	2.1	64
29	Loss of p53 function accelerates acquisition of telomerase activity in indefinite lifespan human mammary epithelial cell lines. Oncogene, 2003, 22, 5238-5251.	5.9	63
30	Cellular senescence mediated by p16INK4A-coupled miRNA pathways. Nucleic Acids Research, 2014, 42, 1606-1618.	14.5	63
31	Immortalization of normal human mammary epithelial cells in two steps by direct targeting of senescence barriers does not require gross genomic alterations. Cell Cycle, 2014, 13, 3423-3435.	2.6	60
32	Insulin receptor overexpression in 184B5 human mammary epithelial cells induces a ligand-dependent transformed phenotype. Journal of Cellular Biochemistry, 1995, 57, 666-669.	2.6	59
33	Experimental and pan-cancer genome analyses reveal widespread contribution of acrylamide exposure to carcinogenesis in humans. Genome Research, 2019, 29, 521-531.	5.5	57
34	Common chromosome fragile sites in human and murine epithelial cells and <i>FHIT/FRA3B</i> lossâ€induced global genome instability. Genes Chromosomes and Cancer, 2013, 52, 1017-1029.	2.8	54
35	Stromal influences on transformation of human mammary epithelial cells overexpressingc-myc and SV40T. Journal of Cellular Physiology, 1990, 145, 207-216.	4.1	53
36	Primary Cilium-Dependent and -Independent Hedgehog Signaling Inhibits p16INK4A. Molecular Cell, 2010, 40, 533-547.	9.7	52

#	Article	IF	Citations
37	Self-organization is a dynamic and lineage-intrinsic property of mammary epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3264-3269.	7.1	52
38	The Regulation of SOX7 and Its Tumor Suppressive Role in Breast Cancer. American Journal of Pathology, 2013, 183, 1645-1653.	3.8	52
39	Processing of Human Reduction Mammoplasty and Mastectomy Tissues for Cell Culture. Journal of Visualized Experiments, 2013, , .	0.3	52
40	Reduction of Cdc25A contributes to cyclin E1-Cdk2 inhibition at senescence in human mammary epithelial cells. Oncogene, 2000, 19, 5314-5323.	5.9	51
41	ZNF652, A Novel Zinc Finger Protein, Interacts with the Putative Breast Tumor Suppressor CBFA2T3 to Repress Transcription. Molecular Cancer Research, 2006, 4, 655-665.	3.4	50
42	Human mammary epithelial cells in culture: differentiation and transformation. Cancer Treatment and Research, 1988, 40, 1-24.	0.5	47
43	Culture models of human mammary epithelial cell transformation. Journal of Mammary Gland Biology and Neoplasia, 2000, 5, 365-378.	2.7	45
44	Viral oncogenes accelerate conversion to immortality of cultured conditionally immortal human mammary epithelial cells. Oncogene, 1999, 18, 2169-2180.	5.9	44
45	Transcriptional changes associated with breast cancer occur as normal human mammary epithelial cells overcome senescence barriers and become immortalized. Molecular Cancer, 2007, 6, 7.	19.2	44
46	The senescent methylome and its relationship with cancer, ageing and germline genetic variation in humans. Genome Biology, 2015, 16, 194.	8.8	40
47	Superresolution microscopy reveals linkages between ribosomal DNA on heterologous chromosomes. Journal of Cell Biology, 2019, 218, 2492-2513.	5.2	40
48	High-Dimensional Phenotyping Identifies Age-Emergent Cells in Human Mammary Epithelia. Cell Reports, 2018, 23, 1205-1219.	6.4	39
49	Characterizing cellular mechanical phenotypes with mechano-node-pore sensing. Microsystems and Nanoengineering, 2018, 4, .	7.0	38
50	Accumulation and altered localization of telomere-associated protein TRF2 in immortally transformed and tumor-derived human breast cells. Oncogene, 2005, 24, 3369-3376.	5.9	37
51	Oncogenes induce senescence with incomplete growth arrest and suppress the DNA damage response in immortalized cells. Aging Cell, 2011, 10, 949-961.	6.7	35
52	Interindividual variation in CYP1A1 expression in breast tissue and the role of genetic polymorphism. Carcinogenesis, 2000, 21, 2119-2122.	2.8	31
53	Exome-wide mutation profile in benzo[a]pyrene-derived post-stasis and immortal human mammary epithelial cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 775-776, 48-54.	1.7	29
54	Karyotypic Instability and Centrosome Aberrations in the Progeny of Finite Life-Span Human Mammary Epithelial Cells Exposed to Sparsely or Densely Ionizing Radiation. Radiation Research, 2008, 170, 23-32.	1.5	28

#	Article	IF	Citations
55	A lincRNA connected to cell mortality and epigenetically-silenced in most common human cancers. Epigenetics, 2015, 10, 1074-1083.	2.7	28
56	Evidence for accelerated aging in mammary epithelia of women carrying germline BRCA1 or BRCA2 mutations. Nature Aging, 2021, 1, 838-849.	11.6	27
57	Caspase-independent cytochrome c release is a sensitive measure of low-level apoptosis in cell culture models. Aging Cell, 2005, 4, 217-222.	6.7	26
58	Age and the means of bypassing stasis influence the intrinsic subtype of immortalized human mammary epithelial cells. Frontiers in Cell and Developmental Biology, 2015, 3, 13.	3.7	25
59	Phospholipases A2 in ras-transformed and immortalized human mammary epithelial cells. Cancer Letters, 1994, 86, 11-21.	7.2	23
60	Cell-Type Specific DNA Methylation Patterns Define Human Breast Cellular Identity. PLoS ONE, 2012, 7, e52299.	2.5	22
61	Constitutive CCND1/CDK2 Activity Substitutes for p53 Loss, or MYC or Oncogenic RAS Expression in the Transformation of Human Mammary Epithelial Cells. PLoS ONE, 2013, 8, e53776.	2.5	22
62	Microenvironment-Induced Non-sporadic Expression of the AXL and cKIT Receptors Are Related to Epithelial Plasticity and Drug Resistance. Frontiers in Cell and Developmental Biology, 2018, 6, 41.	3.7	22
63	Factors influencing benzo[a]pyrene metabolism in human mammary epithelial cells in culture. Carcinogenesis, 1985, 6, 1017-1022.	2.8	21
64	Age-related gene expression in luminal epithelial cells is driven by a microenvironment made from myoepithelial cells. Aging, 2017, 9, 2026-2051.	3.1	21
65	AXL Is a Driver of Stemness in Normal Mammary Gland and Breast Cancer. IScience, 2020, 23, 101649.	4.1	20
66	Response of Cultured Normal Human Mammary Epithelial Cells to X Rays. Radiation Research, 1983, 96, 476.	1.5	17
67	Thioesterase II, a New Marker Enzyme for Human Cells of Breast Epithelial Origin2. Journal of the National Cancer Institute, 1984, 73, 323-329.	6.3	16
68	Early growth response 2 (EGR2) is a novel regulator of the senescence programme. Aging Cell, 2021, 20, e13318.	6.7	16
69	Role of DNA repair in malignant neoplastic transformation of human mammary epithelial cells in culture. Carcinogenesis, 1992, 13, 1137-1141.	2.8	15
70	Quantitative phosphoproteomic analysis reveals reciprocal activation of receptor tyrosine kinases between cancer epithelial cells and stromal fibroblasts. Clinical Proteomics, 2018, 15, 21.	2.1	15
71	Radiation Studies on Sensitivity and Repair of Human Mammary Epithelial Cells. International Journal of Radiation Biology, 1989, 56, 605-609.	1.8	13
72	Different culture media modulate growth, heterogeneity, and senescence in human mammary epithelial cell cultures. PLoS ONE, 2018, 13, e0204645.	2.5	13

#	Article	IF	Citations
73	Delayed Î³H2AX foci disappearance in mammary epithelial cells from aged women reveals an age-associated DNA repair defect. Aging, 2019, 11, 1510-1523.	3.1	13
74	Delineating transcriptional networks of prognostic gene signatures refines treatment recommendations for lymph nodeâ€negative breast cancer patients. FEBS Journal, 2015, 282, 3455-3473.	4.7	12
75	Response to Doxorubicin of Cultured Normal and Cancerous Human Mammary Epithelial Cells<xref ref-type="fn" rid="FN2">2</xref><xref ref-type="fn" rid="FN3">3</xref>. Journal of the National Cancer Institute, 1985, , .	6.3	11
76	Establishment and Characterization of a Breast Cell Strain Containing a BRCA1 185delAG Mutation. Gynecologic Oncology, 2000, 77, 121-128.	1.4	11
77	Breast-Specific Molecular Clocks Comprised of<i>ELF5</i>Expression and Promoter Methylation Identify Individuals Susceptible to Cancer Initiation. Cancer Prevention Research, 2021, 14, 779-794.	1.5	11
78	Growth, differentiation, and transformation of human mammary epithelial cells in culture. Cancer Treatment and Research, 1994, 71, 29-48.	0.5	11
79	Chromosomal changes in cultured human epithelial cells transformed by low- and high-let radiation. Advances in Space Research, 1992, 12, 127-136.	2.6	8
80	Aging phenotypes in cultured normal human mammary epithelial cells are correlated with decreased telomerase activity independent of telomere length. Genome Integrity, 2013, 4, 4.	1.0	8
81	184AA3: a xenograft model of ER+ breast adenocarcinoma. Breast Cancer Research and Treatment, 2016, 155, 37-52.	2.5	8
82	Culture of Human Mammary Epithelial Cells. , 0, , 95-135.		6
83	Breast Tissue Biology Expands the Possibilities for Prevention of Age-Related Breast Cancers. Frontiers in Cell and Developmental Biology, 2019, 7, 174.	3.7	6
84	Genetic variation and radiation quality impact cancer promoting cellular phenotypes in response to HZE exposure. Life Sciences in Space Research, 2019, 20, 101-112.	2.3	2
85	Viral oncogenes accelerate conversion to immortality of cultured conditionally immortal human mammary epithelial cells. , 0, .		2