

Pepper J Schedin

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

5,308
citations

87843

38
h-index

91828

69
g-index

97
all docs

97
docs citations

97
times ranked

6064
citing authors

#	ARTICLE	IF	CITATIONS
1	Pregnancy-associated breast cancer and metastasis. <i>Nature Reviews Cancer</i> , 2006, 6, 281-291.	12.8	382
2	Mammary Gland ECM Remodeling, Stiffness, and Mechanosignaling in Normal Development and Tumor Progression. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a003228-a003228.	2.3	373
3	Postpartum mammary gland involution drives progression of ductal carcinoma in situ through collagen and COX-2. <i>Nature Medicine</i> , 2011, 17, 1109-1115.	15.2	318
4	Alternatively Activated Macrophages and Collagen Remodeling Characterize the Postpartum Involuting Mammary Gland across Species. <i>American Journal of Pathology</i> , 2010, 176, 1241-1255.	1.9	251
5	Remodeling of the Mammary Microenvironment after Lactation Promotes Breast Tumor Cell Metastasis. <i>American Journal of Pathology</i> , 2006, 168, 608-620.	1.9	196
6	Pregnancy and Breast Cancer: when They Collide. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2009, 14, 87-98.	1.0	181
7	Postpartum diagnosis demonstrates a high risk for metastasis and merits an expanded definition of pregnancy-associated breast cancer. <i>Breast Cancer Research and Treatment</i> , 2013, 138, 549-559.	1.1	175
8	Parity, Lactation, and Breast Cancer Subtypes in African American Women: Results from the AMBER Consortium. <i>Journal of the National Cancer Institute</i> , 2014, 106, .	3.0	162
9	Microenvironment of the Involuting Mammary Gland Mediates Mammary Cancer Progression. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2007, 12, 71-82.	1.0	135
10	Identifying phenotype-associated subpopulations by integrating bulk and single-cell sequencing data. <i>Nature Biotechnology</i> , 2022, 40, 527-538.	9.4	128
11	Macrophages are crucial for epithelial cell death and adipocyte repopulation during mammary gland involution. <i>Development (Cambridge)</i> , 2012, 139, 269-275.	1.2	127
12	Mammary ECM composition and function are altered by reproductive state. <i>Molecular Carcinogenesis</i> , 2004, 41, 207-220.	1.3	126
13	Wound healing-like immune program facilitates postpartum mammary gland involution and tumor progression. <i>International Journal of Cancer</i> , 2015, 136, 1803-1813.	2.3	112
14	Cyclooxygenase-2-dependent lymphangiogenesis promotes nodal metastasis of postpartum breast cancer. <i>Journal of Clinical Investigation</i> , 2014, 124, 3901-3912.	3.9	110
15	Extracellular Matrix Composition Reveals Complex and Dynamic Stromal-Epithelial Interactions in the Mammary Gland. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2010, 15, 301-318.	1.0	97
16	Tumor mechanics and metabolic dysfunction. <i>Free Radical Biology and Medicine</i> , 2015, 79, 269-280.	1.3	95
17	COX-2 modulates mammary tumor progression in response to collagen density. <i>Breast Cancer Research</i> , 2016, 18, 35.	2.2	94
18	An In-solution Ultrasonication-assisted Digestion Method for Improved Extracellular Matrix Proteome Coverage. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 1648-1657.	2.5	90

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19	Quantitative extracellular matrix proteomics to study mammary and liver tissue microenvironments. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 223-232.	1.2	89
20	Multistep tumorigenesis and the microenvironment. <i>Breast Cancer Research</i> , 2004, 6, 93-101.	2.2	87
21	Collagen architecture in pregnancy-induced protection from breast cancer. <i>Journal of Cell Science</i> , 2013, 126, 4108-10.	1.2	87
22	Postpartum Remodeling, Lactation, and Breast Cancer Risk: Summary of a National Cancer Institute-sponsored Workshop. <i>Journal of the National Cancer Institute</i> , 2013, 105, 166-174.	3.0	84
23	Loss of Single-minded-2s in the Mouse Mammary Gland Induces an Epithelial-Mesenchymal Transition Associated with Up-Regulation of Slug and Matrix Metalloprotease 2. <i>Molecular and Cellular Biology</i> , 2008, 28, 1936-1946.	1.1	82
24	Association Between Postpartum Breast Cancer Diagnosis and Metastasis and the Clinical Features Underlying Risk. <i>JAMA Network Open</i> , 2019, 2, e186997.	2.8	72
25	Postpartum breast involution reveals regression of secretory lobules mediated by tissue-remodeling. <i>Breast Cancer Research</i> , 2014, 16, R31.	2.2	71
26	Macrophages in Breast Cancer: Do Involution Macrophages Account for the Poor Prognosis of Pregnancy-Associated Breast Cancer?. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2009, 14, 145-157.	1.0	63
27	Pregnancy-associated breast cancer. <i>Cancer</i> , 2012, 118, 3226-3228.	2.0	60
28	Myoepithelial Cell Differentiation Markers in Ductal Carcinoma in Situ Progression. <i>American Journal of Pathology</i> , 2015, 185, 3076-3089.	1.9	60
29	Mucosal Immunity in the Female Murine Mammary Gland. <i>Journal of Immunology</i> , 2018, 201, 734-746.	0.4	58
30	Tamoxifen induces pleiotropic changes in mammary stroma resulting in extracellular matrix that suppresses transformed phenotypes. <i>Breast Cancer Research</i> , 2009, 11, R5.	2.2	57
31	The definition of pregnancy-associated breast cancer is outdated and should no longer be used. <i>Lancet Oncology</i> , The, 2021, 22, 753-754.	5.1	57
32	ESX induces transformation and functional epithelial to mesenchymal transition in MCF-12A mammary epithelial cells. <i>Oncogene</i> , 2004, 23, 1766-1779.	2.6	56
33	Semaphorin 7A Promotes Macrophage-Mediated Lymphatic Remodeling during Postpartum Mammary Gland Involution and in Breast Cancer. <i>Cancer Research</i> , 2018, 78, 6473-6485.	0.4	50
34	Important Role of Menarche in Development of Estrogen Receptor-negative Breast Cancer in African American Women. <i>Journal of the National Cancer Institute</i> , 2015, 107, .	3.0	47
35	Genomic Signatures of Pregnancy-Associated Breast Cancer Epithelia and Stroma and their Regulation by Estrogens and Progesterone. <i>Hormones and Cancer</i> , 2013, 4, 140-153.	4.9	46
36	Ibuprofen supports macrophage differentiation, T cell recruitment, and tumor suppression in a model of postpartum breast cancer. , 2018, 6, 98.		43

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37	Effect of the estrous cycle and surgical ovariectomy on energy balance, fuel utilization, and physical activity in lean and obese female rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1634-R1642.	0.9	42
38	The Rodent Liver Undergoes Weaning-Induced Involution and Supports Breast Cancer Metastasis. <i>Cancer Discovery</i> , 2017, 7, 177-187.	7.7	42
39	Mechanism and preclinical prevention of increased breast cancer risk caused by pregnancy. <i>ELife</i> , 2013, 2, e00996.	2.8	42
40	Postpartum Involution and Cancer: An Opportunity for Targeted Breast Cancer Prevention and Treatments?. <i>Cancer Research</i> , 2020, 80, 1790-1798.	0.4	41
41	Mammary Gland Involution as an Immunotherapeutic Target for Postpartum Breast Cancer. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2014, 19, 213-228.	1.0	40
42	Developmental windows of breast cancer risk provide opportunities for targeted chemoprevention. <i>Experimental Cell Research</i> , 2013, 319, 1671-1678.	1.2	39
43	Metformin inhibits stromal aromatase expression and tumor progression in a rodent model of postmenopausal breast cancer. <i>Breast Cancer Research</i> , 2018, 20, 50.	2.2	39
44	Physiologically activated mammary fibroblasts promote postpartum mammary cancer. <i>JCI Insight</i> , 2017, 2, e89206.	2.3	39
45	Metformin Accumulation Correlates with Organic Cation Transporter 2 Protein Expression and Predicts Mammary Tumor Regression <i>In Vivo</i> . <i>Cancer Prevention Research</i> , 2017, 10, 198-207.	0.7	37
46	Mammary extracellular matrix directs differentiation of testicular and embryonic stem cells to form functional mammary glands in vivo. <i>Scientific Reports</i> , 2017, 7, 40196.	1.6	36
47	RNA-seq from archival FFPE breast cancer samples: molecular pathway fidelity and novel discovery. <i>BMC Medical Genomics</i> , 2019, 12, 195.	0.7	35
48	Physiological COX-2 Expression in Breast Epithelium Associates with COX-2 Levels in Ductal Carcinoma in Situ and Invasive Breast Cancer in Young Women. <i>American Journal of Pathology</i> , 2014, 184, 1219-1229.	1.9	33
49	Rat Mammary Extracellular Matrix Composition and Response to Ibuprofen Treatment During Postpartum Involution by Differential Gel Electrophoresis/MS/MS Analysis. <i>Journal of Proteome Research</i> , 2012, 11, 4894-4905.	1.8	31
50	A Portal Vein Injection Model to Study Liver Metastasis of Breast Cancer. <i>Journal of Visualized Experiments</i> , 2016, . .	0.2	31
51	Mammary Gland Involution Provides a Unique Model to Study the TGF- β 2 Cancer Paradox. <i>Journal of Clinical Medicine</i> , 2017, 6, 10.	1.0	24
52	Characterization of weaning-induced breast involution in women: implications for young women's breast cancer. <i>Npj Breast Cancer</i> , 2020, 6, 55.	2.3	24
53	Breaking down barriers: the importance of the stromal microenvironment in acquiring invasiveness in young women's breast cancer. <i>Breast Cancer Research</i> , 2009, 11, 102.	2.2	23
54	A Surprising Link Between the Energetics of Ovariectomy-Induced Weight Gain and Mammary Tumor Progression in Obese Rats. <i>Obesity</i> , 2010, 18, 696-703.	1.5	23

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55	Alterations in mast cell frequency and relationship to angiogenesis in the rat mammary gland during windows of physiologic tissue remodeling. <i>Developmental Dynamics</i> , 2012, 241, 890-900.	0.8	23
56	Comparison of Mortality Among Participants of Women's Health Initiative Trials With Screening-Detected Breast Cancers vs Interval Breast Cancers. <i>JAMA Network Open</i> , 2020, 3, e207227.	2.8	22
57	Extracellular vesicles from young women's breast cancer patients drive increased invasion of non-malignant cells via the Focal Adhesion Kinase pathway: a proteomic approach. <i>Breast Cancer Research</i> , 2020, 22, 128.	2.2	21
58	Isolation of Mammary-Specific Extracellular Matrix to Assess Acute Cell-ECM Interactions in 3D Culture. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2010, 15, 353-364.	1.0	20
59	Molecular Phenotype of Breast Cancer According to Time Since Last Pregnancy in a Large Cohort of Young Women. <i>Oncologist</i> , 2015, 20, 713-718.	1.9	19
60	Postpartum breast cancer has a distinct molecular profile that predicts poor outcomes. <i>Nature Communications</i> , 2021, 12, 6341.	5.8	19
61	Editorial: The Mammary Stroma in Normal Development and Function. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2010, 15, 275-277.	1.0	18
62	Pregnancy and weaning regulate human maternal liver size and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
63	Emerging targets for the prevention of pregnancy-associated breast cancer. <i>Cell Cycle</i> , 2012, 11, 639-640.	1.3	17
64	A multiplex implantable microdevice assay identifies synergistic combinations of cancer immunotherapies and conventional drugs. <i>Nature Biotechnology</i> , 2022, 40, 1823-1833.	9.4	17
65	Quantitative Analysis of Three-Dimensional Human Mammary Epithelial Tissue Architecture Reveals a Role for Tenascin-C in Regulating c-Met Function. <i>American Journal of Pathology</i> , 2010, 176, 827-838.	1.9	15
66	The Androgen Receptor Supports Tumor Progression After the Loss of Ovarian Function in a Preclinical Model of Obesity and Breast Cancer. <i>Hormones and Cancer</i> , 2017, 8, 269-285.	4.9	14
67	Postpartum breast cancer: mechanisms underlying its worse prognosis, treatment implications, and fertility preservation. <i>International Journal of Gynecological Cancer</i> , 2021, 31, 412-422.	1.2	14
68	Loss of myoepithelial calponin ¹ characterizes high-risk ductal carcinoma in situ cases, which are further stratified by T cell composition. <i>Molecular Carcinogenesis</i> , 2020, 59, 701-712.	1.3	11
69	Breast cancer risk factor associations differ for pure versus invasive carcinoma with an in situ component in case-control and case-case analyses. <i>Cancer Causes and Control</i> , 2016, 27, 183-198.	0.8	10
70	Overall survival is the lowest among young women with postpartum breast cancer. <i>European Journal of Cancer</i> , 2022, 168, 119-127.	1.3	10
71	Myoepithelial cells in lobular carcinoma in situ: distribution and immunophenotype. <i>Human Pathology</i> , 2016, 55, 126-134.	1.1	9
72	IFPA meeting 2016 workshop report III: Decidua-trophoblast interactions; trophoblast implantation and invasion; immunology at the maternal-fetal interface; placental inflammation. <i>Placenta</i> , 2017, 60, S15-S19.	0.7	9

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73	Erythrocyte membrane fatty acids and breast cancer risk by tumor tissue expression of immuno-inflammatory markers and fatty acid synthase: a nested case-control study. <i>Breast Cancer Research</i> , 2020, 22, 78.	2.2	9
74	Mammary collagen is under reproductive control with implications for breast cancer. <i>Matrix Biology</i> , 2022, 105, 104-126.	1.5	9
75	RNA-Seq and Expression Arrays: Selection Guidelines for Genome-Wide Expression Profiling. <i>Methods in Molecular Biology</i> , 2018, 1783, 7-33.	0.4	8
76	NHERF1 is Required for Localization of PMCA2 and Suppression of Early Involution in the Female Lactating Mammary Gland. <i>Endocrinology</i> , 2019, 160, 1797-1810.	1.4	8
77	S-nitrosylated and non-nitrosylated COX2 have differential expression and distinct subcellular localization in normal and breast cancer tissue. <i>Npj Breast Cancer</i> , 2020, 6, 62.	2.3	7
78	Immune Milieu Established by Postpartum Liver Involution Promotes Breast Cancer Liver Metastasis. <i>Cancers</i> , 2021, 13, 1698.	1.7	7
79	Vitamin D as a Potential Preventive Agent For Young Women's Breast Cancer. <i>Cancer Prevention Research</i> , 2021, 14, 825-838.	0.7	7
80	Preventing ovariectomy-induced weight gain decreases tumor burden in rodent models of obesity and postmenopausal breast cancer. <i>Breast Cancer Research</i> , 2022, 24, .	2.2	6
81	Mucosal Immunity and Liver Metabolism in the Complex Condition of Lactation Insufficiency. <i>Journal of Human Lactation</i> , 2020, 36, 582-590.	0.8	4
82	Exclusive Breastfeeding Rates at 6 Weeks Postpartum as a Function of Preconception Body Mass Index Are Not Impacted by Postpartum Obstetrical Practices or Routines. <i>Breastfeeding Medicine</i> , 2020, 15, 458-464.	0.8	4
83	Could NSAIDs become a preventative therapy in pregnancy-associated breast cancer?. <i>Breast Cancer Management</i> , 2012, 1, 39-46.	0.2	3
84	Molecular and Clinical Characterization of Postpartum-Associated Breast Cancer in the Carolina Breast Cancer Study Phase Iâ€“III, 1993â€“2013. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2022, 31, 561-568.	1.1	3
85	A method for quantification of calponin expression in myoepithelial cells in immunohistochemical images of ductal carcinoma in situ. , 2018, 2018, 796-799.		2
86	Diet-Driven Inflammation and Insulinemia and Risk of Interval Breast Cancer. <i>Nutrition and Cancer</i> , 2022, , 1-15.	0.9	1
87	Cover Image, Volume 59, Issue 7. <i>Molecular Carcinogenesis</i> , 2020, 59, i.	1.3	0
88	Abstract B090: Collagen organization implicated in tumor dormancy. , 2013, , .		0
89	Abstract B099: Postpartum mammary gland involution promotes COX-2 dependent tumor cell invasion of lymphatics. , 2013, , .		0
90	Multiplex Immunohistochemistry Provides Insight Into Crossâ€“Talk Between Myoepithelial And Immune Cells In Ductal Carcinoma In Situ (DCIS) Progression. <i>FASEB Journal</i> , 2018, 32, 818.5.	0.2	0

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91	Can breast cancer prevention strategies be tailored to biologic subtype and unique reproductive windows?. Journal of the National Cancer Institute, 0, , .	3.0	0
92	Body Mass Index Is Inversely Associated with Risk of Postmenopausal Interval Breast Cancer: Results from the Women's Health Initiative. Cancers, 2022, 14, 3228.	1.7	0