

High mammographic density is associated with an increase in  
cells within the mammary epithelium

Breast Cancer Research

17, 79

DOI: [10.1186/s13058-015-0592-1](https://doi.org/10.1186/s13058-015-0592-1)

Citation Report

#	ARTICLE	IF	CITATIONS
1	New Insights on COX-2 in Chronic Inflammation Driving Breast Cancer Growth and Metastasis. Journal of Mammary Gland Biology and Neoplasia, 2015, 20, 109-119.	1.0	83
2	Increased COX-2 expression in epithelial and stromal cells of high mammographic density tissues and in a xenograft model of mammographic density. Breast Cancer Research and Treatment, 2015, 153, 89-99.	1.1	16
3	Proteoglycans: Potential Agents in Mammographic Density and the Associated Breast Cancer Risk. Journal of Mammary Gland Biology and Neoplasia, 2015, 20, 121-131.	1.0	21
4	Amount of stroma is associated with mammographic density and stromal expression of oestrogen receptor in normal breast tissues. Breast Cancer Research and Treatment, 2016, 158, 253-261.	1.1	17
5	Improved algorithm for mammary adipose microenvironment definition byl automated brown fat quantification. , 2016, , .		6
6	Automated adipose tissue detection method. , 2016, , .		7
7	Visible to near-infrared refractive properties of freshly-excised human-liver tissues: marking hepatic malignancies. Scientific Reports, 2016, 6, 27910.	1.6	74
8	Stiffness of the microenvironment upregulates ERBB2 expression in 3D cultures of MCF10A within the range of mammographic density. Scientific Reports, 2016, 6, 28987.	1.6	15
9	Mammographically dense human breast tissue stimulates MCF10DCIS.com progression to invasive lesions and metastasis. Breast Cancer Research, 2016, 18, 106.	2.2	13
10	Involution of breast tissue and mammographic density. Breast Cancer Research, 2016, 18, 128.	2.2	9
11	Raised mammographic density: causative mechanisms and biological consequences. Breast Cancer Research, 2016, 18, 45.	2.2	63
12	Neutrophils drive accelerated tumor progression in the collagen-dense mammary tumor microenvironment. Breast Cancer Research, 2016, 18, 49.	2.2	60
13	Differential Rac1 signalling by guanine nucleotide exchange factors implicates FLII in regulating Rac1-driven cell migration. Nature Communications, 2016, 7, 10664.	5.8	72
14	Analysis of Immune Cells from Human Mammary Ductal Epithelial Organoids Reveals V $\beta$ 2+ T Cells That Efficiently Target Breast Carcinoma Cells in the Presence of Bisphosphonate. Cancer Prevention Research, 2016, 9, 305-316.	0.7	58
15	CCL2-driven inflammation increases mammary gland stromal density and cancer susceptibility in a transgenic mouse model. Breast Cancer Research, 2017, 19, 4.	2.2	61
16	Increased nutrient availability in dense breast tissue of postmenopausal women in vivo. Scientific Reports, 2017, 7, 42733.	1.6	9
17	High Mammographic Density in Long-Term Night-Shift Workers: DDM-Spain/Var-DDM. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 905-913.	1.1	6
18	Mammographic density, blood telomere length and lipid peroxidation. Scientific Reports, 2017, 7, 5803.	1.6	3

#	ARTICLE	IF	CITATIONS
19	The relationship between breast density and bone mineral density in never users of postmenopausal hormone therapy. <i>Aging Clinical and Experimental Research</i> , 2017, 29, 537-541.	1.4	2
20	Contribution of Adipose Tissue to Development of Cancer. , 2017, 8, 237-282.		139
21	Association between mammographic breast density and histologic features of benign breast disease. <i>Breast Cancer Research</i> , 2017, 19, 134.	2.2	24
22	Three-dimensional organotypic matrices from alternative collagen sources as pre-clinical models for cell biology. <i>Scientific Reports</i> , 2017, 7, 16887.	1.6	22
23	Charting the unexplored extracellular matrix in cancer. <i>International Journal of Experimental Pathology</i> , 2018, 99, 58-76.	0.6	71
24	Molecular mobility and activity in an intravital imaging setting – implications for cancer progression and targeting. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	32
25	Breast density: why all the fuss?. <i>Clinical Radiology</i> , 2018, 73, 334-357.	0.5	31
26	T <sub>1</sub> -based sensing of mammographic density using single-sided portable <sup>1</sup> H-MR. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1243-1251.	1.9	25
27	Looking beyond the mammogram to assess mammographic density: A narrative review. <i>Biomedical Spectroscopy and Imaging</i> , 2018, 7, 63-80.	1.2	4
28	Urinary Magnesium and Other Elements in Relation to Mammographic Breast Density, a Measure of Breast Cancer Risk. <i>Nutrition and Cancer</i> , 2018, 70, 441-446.	0.9	10
29	Adjuvant Therapy and Mammographic Density Changes in Women With Breast Cancer. <i>JNCI Cancer Spectrum</i> , 2018, 2, pky071.	1.4	14
30	Mammographic density and breast tissue expression of inflammatory markers, growth factors, and vimentin. <i>BMC Cancer</i> , 2018, 18, 1191.	1.1	9
31	Collagen Features of Dermatofibrosarcoma Protuberans Skin Base on Multiphoton Microscopy. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381879677.	0.8	5
32	Quantitative evaluation of redox ratio and collagen characteristics during breast cancer chemotherapy using two-photon intrinsic imaging. <i>Biomedical Optics Express</i> , 2018, 9, 1375.	1.5	29
33	Targeting stromal remodeling and cancer stem cell plasticity overcomes chemoresistance in triple negative breast cancer. <i>Nature Communications</i> , 2018, 9, 2897.	5.8	293
34	Equal Pro-inflammatory Profiles of CCLs, CXCLs, and Matrix Metalloproteinases in the Extracellular Microenvironment In Vivo in Human Dense Breast Tissue and Breast Cancer. <i>Frontiers in Immunology</i> , 2017, 8, 1994.	2.2	24
35	The origins of breast cancer associated with mammographic density: a testable biological hypothesis. <i>Breast Cancer Research</i> , 2018, 20, 17.	2.2	32
36	Mammographic density changes in surgical weight loss-an indication for personalized screening. <i>BMC Medical Imaging</i> , 2018, 18, 10.	1.4	6

#	ARTICLE	IF	CITATIONS
37	High mammographic density in women is associated with protumor inflammation. <i>Breast Cancer Research</i> , 2018, 20, 92.	2.2	26
38	Obesity-Associated Extracellular Matrix Remodeling Promotes a Macrophage Phenotype Similar to Tumor-Associated Macrophages. <i>American Journal of Pathology</i> , 2019, 189, 2019-2035.	1.9	62
39	&lt;p&gt;Conversion of immunohistochemical markers and breast density are associated with pathological response and prognosis in very young breast cancer patients who fail to achieve a pathological complete response after neoadjuvant chemotherapy&lt;/p&gt;. <i>Cancer Management and Research</i> , 2019, Volume 11, 5677-5690.	0.9	6
40	Collagen and PAPP-A in the Etiology of Postpartum Breast Cancer. <i>Hormones and Cancer</i> , 2019, 10, 137-144.	4.9	7
41	Evaluation of breast stiffness measured by ultrasound and breast density measured by MRI using a prone-supine deformation model. <i>Biomarker Research</i> , 2019, 7, 20.	2.8	14
42	A Longitudinal Study of the Association between Mammographic Density and Gene Expression in Normal Breast Tissue. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2019, 24, 163-175.	1.0	3
43	Breast Density in a Contemporary Cohort of Women With Ductal Carcinoma In Situ (DCIS). <i>Annals of Surgical Oncology</i> , 2019, 26, 3472-3477.	0.7	3
44	Transverse relaxationâ€based assessment of mammographic density and breast tissue composition by singleâ€sided portable NMR. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1199-1213.	1.9	21
45	Breast cancer in patients with germline TP53 pathogenic variants have typical tumour characteristics: the Cohort study of TP53 carrier early onset breast cancer (COPE study). <i>Journal of Pathology: Clinical Research</i> , 2019, 5, 189-198.	1.3	18
46	Stromal PTEN Regulates Extracellular Matrix Organization in the Mammary Gland. <i>Neoplasia</i> , 2019, 21, 132-145.	2.3	35
47	The Miniâ€Organo: A rapid highâ€throughput 3D coculture organotypic assay for oncology screening and drug development. <i>Cancer Reports</i> , 2020, 3, e1209.	0.6	8
48	Perinatal exposure to bisphenol A impacts in the mammary gland morphology of adult Mongolian gerbils. <i>Experimental and Molecular Pathology</i> , 2020, 113, 104374.	0.9	8
49	Postmenopausal Dense Breasts Maintain Premenopausal Levels of GH and Insulin-like Growth Factor Binding Proteins in Vivo. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 1617-1628.	1.8	3
50	Stromal cell diversity associated with immune evasion in human tripleâ€negative breast cancer. <i>EMBO Journal</i> , 2020, 39, e104063.	3.5	224
51	Mammographic Breast Density and Acculturation: Longitudinal Analysis in Chinese Immigrants. <i>Journal of Immigrant and Minority Health</i> , 2020, 23, 1223-1231.	0.8	0
52	Concepts of extracellular matrix remodelling in tumour progression and metastasis. <i>Nature Communications</i> , 2020, 11, 5120.	5.8	1,004
53	Heparanase Promotes Syndecan-1 Expression to Mediate Fibrillar Collagen and Mammographic Density in Human Breast Tissue Cultured ex vivo. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 599.	1.8	14
54	Identification of 31 loci for mammographic density phenotypes and their associations with breast cancer risk. <i>Nature Communications</i> , 2020, 11, 5116.	5.8	29

#	ARTICLE	IF	CITATIONS
55	Key steps for effective breast cancer prevention. <i>Nature Reviews Cancer</i> , 2020, 20, 417-436.	12.8	386
56	Weighing the Risk: effects of Obesity on the Mammary Gland and Breast Cancer Risk. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2020, 25, 115-131.	1.0	11
57	Mammographic density changes during neoadjuvant breast cancer treatment: NeoDense, a prospective study in Sweden. <i>Breast</i> , 2020, 53, 33-41.	0.9	12
58	Breast Mammographic Density: Stromal Implications on Breast Cancer Detection and Therapy. <i>Journal of Clinical Medicine</i> , 2020, 9, 776.	1.0	4
59	Cellular uptake of collagens and implications for immune cell regulation in disease. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3161-3176.	2.4	28
60	Association of Interactions Between Mammographic Density Phenotypes and Established Risk Factors With Breast Cancer Risk, by Tumor Subtype and Menopausal Status. <i>American Journal of Epidemiology</i> , 2021, 190, 44-58.	1.6	4
61	Platelet Activation In Situ in Breasts at High Risk of Cancer: Relationship with Mammographic Density and Estradiol. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 485-500.	1.8	7
62	Pubertal mammary gland development is a key determinant of adult mammographic density. <i>Seminars in Cell and Developmental Biology</i> , 2021, 114, 143-158.	2.3	17
63	Mammography features for early markers of aggressive breast cancer subtypes and tumor characteristics: A population-based cohort study. <i>International Journal of Cancer</i> , 2021, 148, 1351-1359.	2.3	4
64	Association of mammographic features with molecular breast tumor profiles. <i>Cancer Treatment and Research Communications</i> , 2021, 28, 100387.	0.7	2
65	ADAMTS proteases and the tumor immune microenvironment: Lessons from substrates and pathologies. <i>Matrix Biology Plus</i> , 2021, 9, 100054.	1.9	11
66	The matrix in cancer. <i>Nature Reviews Cancer</i> , 2021, 21, 217-238.	12.8	441
67	Metabolic pathways in obesity-related breast cancer. <i>Nature Reviews Endocrinology</i> , 2021, 17, 350-363.	4.3	87
68	Pre-diagnostic DNA methylation patterns differ according to mammographic breast density amongst women who subsequently develop breast cancer: a case-only study in the EPIC-Florence cohort. <i>Breast Cancer Research and Treatment</i> , 2021, 189, 435-444.	1.1	1
69	Estrogen/ER in anti-tumor immunity regulation to tumor cell and tumor microenvironment. <i>Cancer Cell International</i> , 2021, 21, 295.	1.8	16
70	RASSF1A Suppression as a Potential Regulator of Mechano-Pathobiology Associated with Mammographic Density in BRCA Mutation Carriers. <i>Cancers</i> , 2021, 13, 3251.	1.7	1
71	Tumor collagen framework from bright-field histology images predicts overall survival of breast carcinoma patients. <i>Scientific Reports</i> , 2021, 11, 15474.	1.6	6
72	Mechanical Pressure Driving Proteoglycan Expression in Mammographic Density: a Self-perpetuating Cycle?. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2021, 26, 277-296.	1.0	2

#	ARTICLE	IF	CITATIONS
73	Changes in Immune Cell Types with Age in Breast are Consistent with a Decline in Immune Surveillance and Increased Immunosuppression. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2021, 26, 247-261.	1.0	9
74	Adipose Stroma Accelerates the Invasion and Escape of Human Breast Cancer Cells from an Engineered Microtumor. <i>Cellular and Molecular Bioengineering</i> , 2022, 15, 15-29.	1.0	4
75	Association between skeletal muscle mass and mammographic breast density. <i>Scientific Reports</i> , 2021, 11, 16785.	1.6	4
77	Review of quantitative multiscale imaging of breast cancer. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	14
78	Physiologically activated mammary fibroblasts promote postpartum mammary cancer. <i>JCI Insight</i> , 2017, 2, e89206.	2.3	39
79	Stiff stroma increases breast cancer risk by inducing the oncogene ZNF217. <i>Journal of Clinical Investigation</i> , 2020, 130, 5721-5737.	3.9	73
80	Recent advances in understanding the complexities of metastasis. <i>F1000Research</i> , 2018, 7, 1169.	0.8	45
81	Recent advances in understanding the complexities of metastasis. <i>F1000Research</i> , 2018, 7, 1169.	0.8	75
82	Intravital imaging reveals new ancillary mechanisms co-opted by cancer cells to drive tumor progression. <i>F1000Research</i> , 2016, 5, 892.	0.8	11
83	Prolactin signaling through focal adhesion complexes is amplified by stiff extracellular matrices in breast cancer cells. <i>Oncotarget</i> , 2016, 7, 48093-48106.	0.8	20
84	Mammographic density: a potential monitoring biomarker for adjuvant and preventative breast cancer endocrine therapies. <i>Oncotarget</i> , 2017, 8, 5578-5591.	0.8	39
85	Stromal characteristics may hold the key to mammographic density: the evidence to date. <i>Oncotarget</i> , 2016, 7, 31550-31562.	0.8	20
86	Tissue-resident macrophages promote extracellular matrix homeostasis in the mammary gland stroma of nulliparous mice. <i>ELife</i> , 2020, 9, .	2.8	63
87	Evaluation of the Effect of Age, Menopausal Status, and Parity on Breast Parenchyma Stiffness by Multiparametric Shear Wave Elastography. <i>Academic Radiology</i> , 2022, 29, S62-S68.	1.3	0
88	Meme kanseri olan TÃ¼rk kadÄ±n hastalarda meme dansitesinin klinik ve patolojik bulgularla iliÅŸkileri. <i>Pamukkale Medical Journal</i> , 0, , .	0.2	0
89	Stiffness-Tuned Matrices for Tumor Cell Studies. <i>Cancer Drug Discovery and Development</i> , 2018, , 171-191.	0.2	0
91	Breast Cancer Prevention. , 2019, , 543-606.		0
94	Biological Mechanisms and Therapeutic Opportunities in Mammographic Density and Breast Cancer Risk. <i>Cancers</i> , 2021, 13, 5391.	1.7	7

#	ARTICLE	IF	CITATIONS
95	Mammographic density as an image-based biomarker of therapy response in neoadjuvant-treated breast cancer patients. <i>Cancer Causes and Control</i> , 2021, 32, 251-260.	0.8	12
96	Can the epigenome contribute to risk stratification for cancer onset?. <i>NAR Cancer</i> , 2021, 3, zcab043.	1.6	4
97	BI-RADS sınıflamasına göre meme kanseri risk faktörlerini ne oranda karşılar ve hematolojik parametrelerle ilişkisi nedir?. <i>Jinekoloji-Obstetrik Ve Neonatoloji Tıp Dergisi</i> , 0, , .	0.2	0
98	Epigenome-wide association studies for breast cancer risk and risk factors. <i>Trends in Cancer Research</i> , 2017, 12, 19-28.	1.6	14
99	Mammary collagen architecture and its association with mammographic density and lesion severity among women undergoing image-guided breast biopsy. <i>Breast Cancer Research</i> , 2021, 23, 105.	2.2	17
100	Mammary collagen is under reproductive control with implications for breast cancer. <i>Matrix Biology</i> , 2022, 105, 104-126.	1.5	9
101	Mammographic density to predict response to neoadjuvant systemic breast cancer therapy. <i>Journal of Cancer Research and Clinical Oncology</i> , 2022, 148, 775.	1.2	4
102	Immune Regulation of Mammary Fibroblasts and the Impact of Mammographic Density. <i>Journal of Clinical Medicine</i> , 2022, 11, 799.	1.0	4
103	Heterogeneity and function of macrophages in the breast during homeostasis and cancer. <i>International Review of Cell and Molecular Biology</i> , 2022, 367, 149-182.	1.6	2
104	Predictive value of collagen in cancer. <i>Advances in Cancer Research</i> , 2022, 154, 15-45.	1.9	11
105	Sensing mammographic density using single-sided portable Nuclear Magnetic Resonance. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2447-2454.	1.8	3
106	The breast tissue microbiome, stroma, immune cells and breast cancer. <i>Neoplasia</i> , 2022, 27, 100786.	2.3	9
107	Immune Modulatory Properties of Collagen in Cancer. <i>Frontiers in Immunology</i> , 2021, 12, 791453.	2.2	64
113	Association of breast cancer risk, density, and stiffness: global tissue stiffness on breast MR elastography (MRE). <i>Breast Cancer Research and Treatment</i> , 2022, 194, 79-89.	1.1	9
114	Deep learning identification of stiffness markers in breast cancer. <i>Biomaterials</i> , 2022, 285, 121540.	5.7	8
115	Differential expression of the genes coding for adipokines and epithelial cell polarity components in women with low and high mammographic density. <i>Clinical Breast Cancer</i> , 2022, , .	1.1	0
116	The association between breast density and breast cancer pathological response to neoadjuvant chemotherapy. <i>Breast Cancer Research and Treatment</i> , 2022, 194, 385-392.	1.1	5
118	Portable NMR for quantification of breast density in vivo: Proof-of-concept measurements and comparison with quantitative MRI. <i>Magnetic Resonance Imaging</i> , 2022, 92, 212-223.	1.0	2

#	ARTICLE	IF	CITATIONS
119	Elevated miR-29c-5p Expression in Nipple Aspirate Fluid Is Associated with Extremely High Mammographic Breast Density. <i>Cancers</i> , 2022, 14, 3805.	1.7	1
120	Chemical Effects on Breast Development, Function, and Cancer Risk: Existing Knowledge and New Opportunities. <i>Current Environmental Health Reports</i> , 2022, 9, 535-562.	3.2	10
121	Temporal profiling of the breast tumour microenvironment reveals collagen XII as a driver of metastasis. <i>Nature Communications</i> , 2022, 13, .	5.8	63
122	Extracellular matrix remodeling in tumor progression and immune escape: from mechanisms to treatments. <i>Molecular Cancer</i> , 2023, 22, .	7.9	66
123	CCL2-Mediated Stromal Interactions Drive Macrophage Polarization to Increase Breast Tumorigenesis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7385.	1.8	3