Kristy A Brown

List of Publications by Year
in descending order

78 papers	4,276 citations	147801 31 h-index	114465 63 g-index
91 all docs	91 docs citations	91 times ranked	6792 citing authors

#	Article	IF	Citations
1	Extracellular Vesicle and Particle Biomarkers Define Multiple Human Cancers. Cell, 2020, 182, 1044-1061.e18.	28.9	691
2	Sex differences in obesity and the regulation of energy homeostasis. Obesity Reviews, 2009, 10, 154-167.	6.5	308
3	p53: Protection against Tumor Growth beyond Effects on Cell Cycle and Apoptosis. Cancer Research, 2015, 75, 5001-5007.	0.9	233
4	Anti-MÃ¼llerian hormone reduces follicle sensitivity to follicle-stimulating hormone in human granulosa cells. Fertility and Sterility, 2011, 96, 1246-1251.e1.	1.0	203
5	Cyclooxygenase-2 and its role in ovulation: a 2004 account. Human Reproduction Update, 2004, 10, 373-385.	10.8	172
6	High mammographic density is associated with an increase in stromal collagen and immune cells within the mammary epithelium. Breast Cancer Research, 2015, 17, 79.	5.0	134
7	Obesity and Breast Cancer: Progress to Understanding the Relationship: Figure 1.. Cancer Research, 2010, 70, 4-7.	0.9	133
8	Hyperglycemia in acute COVID-19 is characterized by insulin resistance and adipose tissue infectivity by SARS-CoV-2. Cell Metabolism, 2021, 33, 2174-2188.e5.	16.2	127
9	Metformin inhibits aromatase expression in human breast adipose stromal cells via stimulation of AMP-activated protein kinase. Breast Cancer Research and Treatment, 2010, 123, 591-596.	2.5	123
10	Metabolic Obesity, Adipose Inflammation and Elevated Breast Aromatase in Women with Normal Body Mass Index. Cancer Prevention Research, 2017, 10, 235-243.	1.5	114
11	Estrogens and breast cancer: Mechanisms involved in obesity-related development, growth and progression. Journal of Steroid Biochemistry and Molecular Biology, 2019, 189, 161-170.	2.5	108
12	Subcellular Localization of Cyclic AMP-Responsive Element Binding Protein-Regulated Transcription Coactivator 2 Provides a Link between Obesity and Breast Cancer in Postmenopausal Women. Cancer Research, 2009, 69, 5392-5399.	0.9	106
13	Expression of Key Prostaglandin Synthases in Equine Endometrium During Late Diestrus and Early Pregnancy1. Biology of Reproduction, 2004, 70, 391-399.	2.7	97
14	Obesity and breast cancer â€“ Role of estrogens and the molecular underpinnings of aromatase regulation in breast adipose tissue. Molecular and Cellular Endocrinology, 2018, 466, 15-30.	3.2	95
15	Mitochondrial DNA copy number is regulated by DNA methylation and demethylation of POLGA in stem and cancer cells and their differentiated progeny. Cell Death and Disease, 2015, 6, e1664-e1664.	6.3	92
16	Aromatase overexpression in dysfunctional adipose tissue links obesity to postmenopausal breast cancer. Journal of Steroid Biochemistry and Molecular Biology, 2015, 153, 35-44.	2.5	90
17	Metabolic pathways in obesity-related breast cancer. Nature Reviews Endocrinology, 2021, 17, 350-363.	9.6	87
18	Menopause Is a Determinant of Breast Aromatase Expression and Its Associations With BMI, Inflammation, and Systemic Markers. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 1692-1701.	3.6	77

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19	Obesity and breast cancer: role of inflammation and aromatase. Journal of Molecular Endocrinology, 2013, 51, T51-T59.	2.5	75
20	Minireview: Obesity and Breast Cancer: A Tale of Inflammation and Dysregulated Metabolism. Molecular Endocrinology, 2013, 27, 715-725.	3.7	70
21	Inflammation, dysregulated metabolism and aromatase in obesity and breast cancer. Current Opinion in Pharmacology, 2016, 31, 90-96.	3.5	69
22	Inhibition of EZH2 Catalytic Activity Selectively Targets a Metastatic Subpopulation in Triple-Negative Breast Cancer. Cell Reports, 2020, 30, 755-770.e6.	6.4	65
23	Endocrine-related cancers and the role of AMPK. Molecular and Cellular Endocrinology, 2013, 366, 170-179.	3.2	52
24	Regulation of LKB1 expression by sex hormones in adipocytes. International Journal of Obesity, 2012, 36, 982-985.	3.4	51
25	Leptin regulation of the p53-HIF1Î±/PKM2-aromatase axis in breast adipose stromal cells: a novel mechanism for the obesityâ€“breast cancer link. International Journal of Obesity, 2018, 42, 711-720.	3.4	49
26	Prostaglandin E2 Inhibits p53 in Human Breast Adipose Stromal Cells: A Novel Mechanism for the Regulation of Aromatase in Obesity and Breast Cancer. Cancer Research, 2015, 75, 645-655.	0.9	46
27	HIF-1Î± stimulates aromatase expression driven by prostaglandin E2 in breast adipose stroma. Breast Cancer Research, 2013, 15, R30.	5.0	44
28	Impact of Obesity on Mammary Gland Inflammation and Local Estrogen Production. Journal of Mammary Gland Biology and Neoplasia, 2014, 19, 183-189.	2.7	37
29	Obesity and breast cancer mechanisms and therapeutic implications. Frontiers in Bioscience - Elite, 2012, E4, 2515-2524.	1.8	36
30	Characterization of bovine early growth response factor-1 and its gonadotropin-dependent regulation in ovarian follicles prior to ovulation. Journal of Molecular Endocrinology, 2006, 37, 239-250.	2.5	34
31	Androgenic pathways in the progression of triple-negative breast carcinoma: a comparison between aggressive and non-aggressive subtypes. Breast Cancer Research and Treatment, 2014, 145, 281-293.	2.5	34
32	Promoter-specific effects of metformin on aromatase transcript expression. Steroids, 2011, 76, 768-771.	1.8	33
33	Ghrelin and des-acyl ghrelin inhibit aromatase expression and activity in human adipose stromal cells: suppression of cAMP as a possible mechanism. Breast Cancer Research and Treatment, 2014, 147, 193-201.	2.5	30
34	Teasing out the role of aromatase in the healthy and diseased testis. Spermatogenesis, 2011, 1, 240-249.	0.8	29
35	CREB-Regulated Transcription Co-Activator Family Stimulates Promoter II-Driven Aromatase Expression in Preadipocytes. Hormones and Cancer, 2013, 4, 233-241.	4.9	29
36	Overexpression of Aromatase Associated With Loss of Heterozygosity of theSTK11Gene Accounts for Prepubertal Gynecomastia in Boys with Peutz-Jeghers Syndrome. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E1979-E1987.	3.6	29

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37	Induction of Hyaluronan Synthase 2 by Human Chorionic Gonadotropin in Mural Granulosa Cells of Equine Preovulatory Follicles. Endocrinology, 2002, 143, 4375-4384.	2.8	25
38	Characterisation of aromatase expression in the human adipocyte cell line SGBS. Breast Cancer Research and Treatment, 2008, 112, 429-435.	2.5	25
39	Targeting obesity-related dysfunction in hormonally driven cancers. British Journal of Cancer, 2021, 125, 495-509.	6.4	25
40	LKB1 expression is inhibited by estradiol-17Î² in MCF-7 cells. Journal of Steroid Biochemistry and Molecular Biology, 2011, 127, 439-443.	2.5	24
41	Des-acyl ghrelin inhibits the capacity of macrophages to stimulate the expression of aromatase in breast adipose stromal cells. Journal of Steroid Biochemistry and Molecular Biology, 2017, 170, 49-53.	2.5	24
42	Genomic Basis of Aromatase Excess Syndrome: Recombination- and Replication-Mediated Rearrangements Leading to CYP19A1 Overexpression. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E2013-E2021.	3.6	23
43	Ghrelin and Breast Cancer: Emerging Roles in Obesity, Estrogen Regulation, and Cancer. Frontiers in Oncology, 2016, 6, 265.	2.8	23
44	Obese Adipose Tissue as a Driver of Breast Cancer Growth and Development: Update and Emerging Evidence. Frontiers in Oncology, 2021, 11, 638918.	2.8	23
45	ILâ€10 suppresses TNFâ€Î±â€induced expression of human aromatase gene in mammary adipose tissue. FASEB Journal, 2018, 32, 3361-3370.	0.5	22
46	Human Chorionic Gonadotropin-Dependent Regulation of 17Î²-Hydroxysteroid Dehydrogenase Type 4 in Preovulatory Follicles and Its Potential Role in Follicular Luteinization. Endocrinology, 2004, 145, 1906-1915.	2.8	20
47	The benefits of adding metformin to tamoxifen to protect the endometriumâ€"A randomized placeboâ€controlled trial. Clinical Endocrinology, 2018, 89, 605-612.	2.4	20
48	Linking Physical Activity to Breast Cancer via Sex Steroid Hormones, Part 2: The Effect of Sex Steroid Hormones on Breast Cancer Risk. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 28-37.	2.5	19
49	Gonadotropin-dependent regulation of bovine pituitary adenylate cyclase-activating polypeptide in ovarian follicles prior to ovulation. Reproduction, 2007, 133, 441-453.	2.6	18
50	The presence and impact of estrogen metabolism on the biology of triple-negative breast cancer. Breast Cancer Research and Treatment, 2017, 161, 213-227.	2.5	18
51	Human chorionic gonadotropin-dependent induction of an equine aldo-keto reductase (AKR1C23) with 20Î±-hydroxysteroid dehydrogenase activity during follicular luteinization in vivo. Journal of Molecular Endocrinology, 2006, 36, 449-461.	2.5	14
52	Obesity, aromatase and breast cancer. Expert Review of Endocrinology and Metabolism, 2011, 6, 383-395.	2.4	13
53	Obesity-Associated Inflammatory Cytokines and Prostaglandin E2 Stimulate Glucose Transporter mRNA Expression and Glucose Uptake in Primary Human Adipose Stromal Cells. Journal of Interferon and Cytokine Research, 2015, 35, 600-605.	1.2	13
54	Down-regulation of messenger ribonucleic acid encoding an importer of sulfoconjugated steroids during human chorionic gonadotropin-induced follicular luteinization in vivo. Journal of Steroid Biochemistry and Molecular Biology, 2007, 103, 10-19.	2.5	12

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55	Linking Physical Activity to Breast Cancer via Sex Hormones, Part 1: The Effect of Physical Activity on Sex Steroid Hormones. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 16-27.	2.5	12
56	Human Chorionic Gonadotropin-Dependent Up-Regulation of Genes Responsible for Estrogen Sulfoconjugation and Export in Granulosa Cells of Luteinizing Preovulatory Follicles. Endocrinology, 2006, 147, 4222-4233.	2.8	11
57	Linking Physical Activity to Breast Cancer: Text Mining Results and a Protocol for Systematically Reviewing Three Potential Mechanistic Pathways. Cancer Epidemiology Biomarkers and Prevention, 2021, , .	2.5	9
58	Molecular Characterization of Equine P-Selectin (CD62P) and Its Regulation in Ovarian Follicles During the Ovulatory Process1. Biology of Reproduction, 2005, 72, 736-744.	2.7	8
59	Molecular cloning of equine 17Î²-hydroxysteroid dehydrogenase type 1 and its downregulation during follicular luteinization in vivo. Journal of Molecular Endocrinology, 2007, 38, 67-78.	2.5	8
60	Conditional Overexpression of Liver Receptor Homolog-1 in Female Mouse Mammary Epithelium Results in Altered Mammary Morphogenesis via the Induction of TGF-Î². Endocrinology, 2014, 155, 1606-1617.	2.8	8
61	A 3-Dimensional Biomimetic Platform to Interrogate the Safety of Autologous Fat Transfer in the Setting of Breast Cancer. Annals of Plastic Surgery, 2018, 80, S223-S228.	0.9	7
62	Three-dimensional growth of breast cancer cells potentiates the anti-tumor effects of unacylated ghrelin and AZP-531. ELife, 2020, 9, .	6.0	7
63	Hsp90 and PKM2 Drive the Expression of Aromatase in Li-Fraumeni Syndrome Breast Adipose Stromal Cells. Journal of Biological Chemistry, 2016, 291, 16011-16023.	3.4	6
64	Estrogens, Obesity, Inflammation, and Breast Cancerâ€"What Is the Link?. Seminars in Reproductive Medicine, 2015, 33, 208-212.	1.1	5
65	Immunolocalisation of aromatase regulators liver kinase B1, phosphorylated AMP-activated protein kinase and cAMP response element-binding protein-regulated transcription co-activators in the human testis. Reproduction, Fertility and Development, 2017, 29, 1029.	0.4	5
66	Progress in aromatase research and identification of key future directions. Journal of Steroid Biochemistry and Molecular Biology, 2010, 118, 311-315.	2.5	4
67	No effect of unacylated ghrelin administration on subcutaneous PC3 xenograft growth or metabolic parameters in a Rag1-/- mouse model of metabolic dysfunction. PLoS ONE, 2018, 13, e0198495.	2.5	4
68	Tissue Engineering Models for the Study of Breast Neoplastic Disease and the Tumor Microenvironment. Tissue Engineering - Part B: Reviews, 2020, 26, 423-442.	4.8	3
69	Endocrine Therapy-related Endocrinopathiesâ€"Biology, Prevalence, and Implications for the Management of Breast Cancer. Oncology & Hematology Review, 2020, 16, 17.	0.2	3
70	Dysregulated metabolism and the regulation of aromatase in breast adipose stromal cells in obesity and cancer. BMC Proceedings, 2012, 6, P9.	1.6	1
71	Abstract 11: A Novel Tissue Engineered Three-Dimensional Biomimetic Platform for In Vitro Study of BIA-ALCL. Plastic and Reconstructive Surgery - Global Open, 2019, 7, 8-9.	0.6	1
72	SAT-126 Breast Adipose Tissue Extracellular Vesicles from Obese Women Increase Breast Cancer Aggressiveness - a Novel Mechanism for the Obesity-Breast Cancer Link. Journal of the Endocrine Society, 2020, 4, .	0.2	1

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73	The Link Between Obesity and Breast Cancer Risk: Epidemiological Evidence. , 2014, , 5-10.		1
74	Exploring the Effect of Implant Shell on Patient-derived Breast Implantâ€“associated Anaplastic Large Cell Lymphoma Cells in Ex Vivo Biomimetic Breast Tissue. Plastic and Reconstructive Surgery - Global Open, 2019, 7, 21-22.	0.6	0
75	Leptin Mediates Obesity-Induced DNA Damage in BRCA1 Breast Epithelial Cells. Journal of the Endocrine Society, 2021, 5, A1024-A1024.	0.2	0
76	Silicone Implant Shells Increase the Rate of Proliferation of Alk- but Not Alk+ Lymphoma Cells in an Engineered Biomimetic Breast Microenvironment. Plastic and Reconstructive Surgery - Global Open, 2020, 8, 136-137.	0.6	0
77	Abstract P2-06-03: Obesity is associated with DNA damage in the breast epithelium of BRCA1 and BRCA2 mutation carriers: A role for estrogens & strategies for prevention. Cancer Research, 2022, 82, P2-06-03-P2-06-03.	0.9	0
78	Abstract P5-05-02: Extracellular vesicles from obese human breast adipose tissue promote breast cancer cell proliferation by increasing mitochondrial mass and stimulating mitochondrial respiration. Cancer Research, 2022, 82, P5-05-02-P5-05-02.	0.9	0