

# Katherine L Cook

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

6,926  
citations

186265

28  
h-index

182427

51  
g-index

62  
all docs

62  
docs citations

62  
times ranked

16326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Endoplasmic Reticulum Stress, the Unfolded Protein Response, Autophagy, and the Integrated Regulation of Breast Cancer Cell Fate. <i>Cancer Research</i> , 2012, 72, 1321-1331.	0.9	183
3	Chloroquine Inhibits Autophagy to Potentiate Antiestrogen Responsiveness in ER+ Breast Cancer. <i>Clinical Cancer Research</i> , 2014, 20, 3222-3232.	7.0	176
4	Autophagy and endocrine resistance in breast cancer. <i>Expert Review of Anticancer Therapy</i> , 2011, 11, 1283-1294.	2.4	137
5	Glucose-Regulated Protein 78 Controls Cross-talk between Apoptosis and Autophagy to Determine Antiestrogen Responsiveness. <i>Cancer Research</i> , 2012, 72, 3337-3349.	0.9	133
6	Consumption of Mediterranean versus Western Diet Leads to Distinct Mammary Gland Microbiome Populations. <i>Cell Reports</i> , 2018, 25, 47-56.e3.	6.4	114
7	Endoplasmic Reticulum Stress Protein GRP78 Modulates Lipid Metabolism to Control Drug Sensitivity and Antitumor Immunity in Breast Cancer. <i>Cancer Research</i> , 2016, 76, 5657-5670.	0.9	91
8	Knockdown of estrogen receptor $\alpha$ induces autophagy and inhibits antiestrogen-mediated unfolded protein response activation, promoting ROS-induced breast cancer cell death. <i>FASEB Journal</i> , 2014, 28, 3891-3905.	0.5	78
9	Angiotensin-(1-7) Reduces Fibrosis in Orthotopic Breast Tumors. <i>Cancer Research</i> , 2010, 70, 8319-8328.	0.9	74
10	MYC regulates the unfolded protein response and glucose and glutamine uptake in endocrine resistant breast cancer. <i>Molecular Cancer</i> , 2014, 13, 239.	19.2	74
11	Neoadjuvant Chemotherapy Shifts Breast Tumor Microbiota Populations to Regulate Drug Responsiveness and the Development of Metastasis. <i>Molecular Cancer Research</i> , 2020, 18, 130-139.	3.4	71
12	Silver nanoparticles selectively treat triple-negative breast cancer cells without affecting non-malignant breast epithelial cells in vitro and in vivo. <i>FASEB BioAdvances</i> , 2019, 1, 639-660.	2.4	59
13	Diet, obesity, and the gut microbiome as determinants modulating metabolic outcomes in a non-human primate model. <i>Microbiome</i> , 2021, 9, 100.	11.1	56
14	Combination of anthracyclines and anti-CD47 therapy inhibit invasive breast cancer growth while preventing cardiac toxicity by regulation of autophagy. <i>Breast Cancer Research and Treatment</i> , 2018, 172, 69-82.	2.5	55
15	Mitochondria directly donate their membrane to form autophagosomes during a novel mechanism of parkin-associated mitophagy. <i>Cell and Bioscience</i> , 2014, 4, 16.	4.8	54
16	Thrombospondin-1 and CD47 signaling regulate healing of thermal injury in mice. <i>Matrix Biology</i> , 2014, 37, 25-34.	3.6	51
17	Endoplasmic reticulum stress, the unfolded protein response, and gene network modeling in antiestrogen resistant breast cancer. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2011, 5, 35-44.	0.7	49
18	GX15-070 (Obatoclox) Induces Apoptosis and Inhibits Cathepsin D- and Lysosomal-Mediated Autophagosomal Lysis in Antiestrogen-Resistant Breast Cancer Cells. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 448-459.	4.1	49

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19	Angiotensin Peptides and Lung Cancer. <i>Current Cancer Drug Targets</i> , 2011, 11, 394-404.	1.6	46
20	Lifetime Genistein Intake Increases the Response of Mammary Tumors to Tamoxifen in Rats. <i>Clinical Cancer Research</i> , 2017, 23, 814-824.	7.0	45
21	Diet Alters Entero-Mammary Signaling to Regulate the Breast Microbiome and Tumorigenesis. <i>Cancer Research</i> , 2021, 81, 3890-3904.	0.9	39
22	Elevated leptin disrupts epithelial polarity and promotes premalignant alterations in the mammary gland. <i>Oncogene</i> , 2019, 38, 3855-3870.	5.9	38
23	Endoplasmic Reticulum Stress Pathway, the Unfolded Protein Response, Modulates Immune Function in the Tumor Microenvironment to Impact Tumor Progression and Therapeutic Response. <i>International Journal of Molecular Sciences</i> , 2020, 21, 169.	4.1	38
24	Immune checkpoint blockade reprograms systemic immune landscape and tumor microenvironment in obesity-associated breast cancer. <i>Cell Reports</i> , 2021, 35, 109285.	6.4	38
25	Role of GRP78 in promoting therapeutic-resistant breast cancer. <i>Future Medicinal Chemistry</i> , 2015, 7, 1529-1534.	2.3	35
26	From the Table to the Tumor: The Role of Mediterranean and Western Dietary Patterns in Shifting Microbial-Mediated Signaling to Impact Breast Cancer Risk. <i>Nutrients</i> , 2019, 11, 2565.	4.1	35
27	Unfolded protein response signaling impacts macrophage polarity to modulate breast cancer cell clearance and melanoma immune checkpoint therapy responsiveness. <i>Oncotarget</i> , 2017, 8, 80545-80559.	1.8	33
28	Interferon Regulatory Factor-1 Signaling Regulates the Switch between Autophagy and Apoptosis to Determine Breast Cancer Cell Fate. <i>Cancer Research</i> , 2015, 75, 1046-1055.	0.9	31
29	Autophagy and unfolded protein response (UPR) regulate mammary gland involution by restraining apoptosis-driven irreversible changes. <i>Cell Death Discovery</i> , 2018, 4, 40.	4.7	30
30	Effects of In Utero Exposure to Ethinyl Estradiol on Tamoxifen Resistance and Breast Cancer Recurrence in a Preclinical Model. <i>Journal of the National Cancer Institute</i> , 2017, 109, djw188.	6.3	28
31	Heat shock 70 kDa protein 5/glucose-regulated protein 78 $\alpha$ AMP $\alpha$ ing up autophagy. <i>Autophagy</i> , 2012, 8, 1827-1829.	9.1	27
32	Unfolding the Role of Stress Response Signaling in Endocrine Resistant Breast Cancers. <i>Frontiers in Oncology</i> , 2015, 5, 140.	2.8	27
33	Modelling the effect of GRP78 on anti-oestrogen sensitivity and resistance in breast cancer. <i>Interface Focus</i> , 2013, 3, 20130012.	3.0	26
34	Targeting GRP78 and antiestrogen resistance in breast cancer. <i>Future Medicinal Chemistry</i> , 2013, 5, 1047-1057.	2.3	26
35	Circulating Immune Bioenergetic, Metabolic, and Genetic Signatures Predict Melanoma Patients' Response to Anti $\alpha$ PD-1 Immune Checkpoint Blockade. <i>Clinical Cancer Research</i> , 2022, 28, 1192-1202.	7.0	24
36	$\alpha$ UPRegulation $\alpha$ of CD47 by the endoplasmic reticulum stress pathway controls anti-tumor immune responses. <i>Biomarker Research</i> , 2017, 5, 26.	6.8	18

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37	Social isolation induces autophagy in the mouse mammary gland: link to increased mammary cancer risk. <i>Endocrine-Related Cancer</i> , 2016, 23, 839-856.	3.1	17
38	Aromatase inhibitor plus ovarian suppression as adjuvant therapy in premenopausal women with breast cancer. <i>Cancer Biology and Therapy</i> , 2014, 15, 1586-1587.	3.4	15
39	Metabolic Implications of Immune Checkpoint Proteins in Cancer. <i>Cells</i> , 2022, 11, 179.	4.1	15
40	Inhibition of Antiestrogen-Promoted Pro-Survival Autophagy and Tamoxifen Resistance in Breast Cancer through Vitamin D Receptor. <i>Nutrients</i> , 2021, 13, 1715.	4.1	14
41	Response to immune checkpoint blockade improved in pre-clinical model of breast cancer after bariatric surgery. <i>ELife</i> , 0, 11, .	6.0	11
42	Interaction of dietary polyphenols with molecular signaling pathways of antiestrogen resistance: possible role in breast cancer recurrence. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2012, 9, 127-41.	0.7	9
43	Metabolomic Analysis Reveals Unique Biochemical Signatures Associated with Protection from Radiation Induced Lung Injury by Lack of cd47 Receptor Gene Expression. <i>Metabolites</i> , 2019, 9, 218.	2.9	9
44	Estrogen receptor- $\beta$ signaling and localization regulates autophagy and unfolded protein response activation in ER+ breast cancer. <i>Receptors &amp; Clinical Investigation</i> , 2014, 1, .	0.9	9
45	Mitochondrial autophagosomes as a mechanism of drug resistance in breast carcinoma. <i>Ultrastructural Pathology</i> , 2018, 42, 170-180.	0.9	8
46	When is a vesicle not just a vesicle: mitochondrial spheroids and mitochondrial autophagosomes. <i>Cell and Bioscience</i> , 2014, 4, 66.	4.8	7
47	Gut dysbiosis and hypertension: is it cause or effect?. <i>Journal of Hypertension</i> , 2021, 39, 1768-1770.	0.5	7
48	Immuno-reactive cancer organoid model to assess effects of the microbiome on cancer immunotherapy. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
49	Linking autophagy with inflammation through IRF1 signaling in ER+ breast cancer. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1023928.	0.7	4
50	Diet impacts triple-negative breast cancer growth, metastatic potential, chemotherapy responsiveness, and doxorubicin-mediated cardiac dysfunction. <i>Physiological Reports</i> , 2022, 10, e15192.	1.7	3
51	Investigating the role of endogenous estrogens, hormone replacement therapy, and blockade of estrogen receptor- $\beta$ activity on breast metabolic signaling. <i>Breast Cancer Research and Treatment</i> , 2021, 190, 53-67.	2.5	2
52	CD47 blockade modulates immunosuppressive checkpoint molecules and cellular metabolism to sensitize triple-negative breast cancer tumors to immune checkpoint blockade therapy. , 2021, 9, A646-A646.		1
53	Early-life dietary exposures mediate persistent shifts in the gut microbiome and visceral fat metabolism. <i>American Journal of Physiology - Cell Physiology</i> , 2023, 324, C644-C657.	4.6	1
54	Overcoming cancer resistance. <i>Future Medicinal Chemistry</i> , 2015, 7, 1471-1471.	2.3	0

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55	Autophagy, Inflammation, and Breast Cancer Risk. , 2017, , 359-372.		0
56	Intervention with Probiotics and Muscadine Grape Extract Shifts Western Diet-Associated Metabolic, Microbial, and Inflammatory Parameters to Reduce Breast Tumor Growth. Current Developments in Nutrition, 2020, 4, nzaa044_043.	0.3	0
57	Detangling Diet from Obesity Effects on the Gut Microbiome and Metabolic Parameters Using a Non-Human Primate Model. Current Developments in Nutrition, 2020, 4, nzaa062_040.	0.3	0
58	Abstract PS6-59: Impact of Cholecystectomy in Breast Cancer Recurrence. , 2021, , .		0
59	Outside the Endoplasmic Reticulum: Non-Canonical GRP78 Signaling. Cancer Drug Discovery and Development, 2019, , 181-195.	0.4	0
60	Abstract P1-09-03: Omega-3 polyunsaturated fatty acid supplementation shifts the gut and breast microbiome to influence inflammation. Cancer Research, 2022, 82, P1-09-03-P1-09-03.	0.9	0
61	Visceral Adiposity Is Associated With Shifts in the Gut Bacterial and Phage Microbiome in Postmenopausal Women. Current Developments in Nutrition, 2022, 6, 1001.	0.3	0