

# Suling Liu

## List of Publications by Citations

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|-------------------|--------------------------|----------------|-----------------|
| 90<br>papers      | 12,427<br>citations      | 39<br>h-index  | 93<br>g-index   |
| 93<br>ext. papers | 13,870<br>ext. citations | 9.4<br>avg, IF | 6.06<br>L-index |

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 90 | ALDH1 is a marker of normal and malignant human mammary stem cells and a predictor of poor clinical outcome. <i>Cell Stem Cell</i> , <b>2007</b> , 1, 555-67  | 18   | 3079      |
| 89 | Cancer stem cells: an old idea--a paradigm shift. <i>Cancer Research</i> , <b>2006</b> , 66, 1883-90; discussion 1895-6   | 10.1 | 1100      |
| 88 | Hedgehog signaling and Bmi-1 regulate self-renewal of normal and malignant human mammary stem cells. <i>Cancer Research</i> , <b>2006</b> , 66, 6063-71   | 10.1 | 1027      |
| 87 | Breast cancer stem cells transition between epithelial and mesenchymal states reflective of their normal counterparts. <i>Stem Cell Reports</i> , <b>2014</b> , 2, 78-91                                | 8    | 656       |
| 86 | CXCR1 blockade selectively targets human breast cancer stem cells in vitro and in xenografts. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 485-97                                      | 15.9 | 577       |
| 85 | Breast cancer stem cells are regulated by mesenchymal stem cells through cytokine networks. <i>Cancer Research</i> , <b>2011</b> , 71, 614-24   | 10.1 | 476       |
| 84 | Breast cancer stem cells, cytokine networks, and the tumor microenvironment. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 3804-9   | 15.9 | 450       |
| 83 | Sulforaphane, a dietary component of broccoli/broccoli sprouts, inhibits breast cancer stem cells. <i>Clinical Cancer Research</i> , <b>2010</b> , 16, 2580-90  | 12.9 | 406       |
| 82 | Activation of an IL6 inflammatory loop mediates trastuzumab resistance in HER2+ breast cancer by expanding the cancer stem cell population. <i>Molecular Cell</i> , <b>2012</b> , 47, 570-84            | 17.6 | 385       |
| 81 | Targeting breast stem cells with the cancer preventive compounds curcumin and piperine. <i>Breast Cancer Research and Treatment</i> , <b>2010</b> , 122, 777-85   | 4.4  | 372       |
| 80 | BRCA1 regulates human mammary stem/progenitor cell fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 1680-5                             | 11.5 | 365       |
| 79 | Mammary stem cells, self-renewal pathways, and carcinogenesis. <i>Breast Cancer Research</i> , <b>2005</b> , 7, 86-95   | 8.3  | 322       |
| 78 | Targeting breast cancer stem cells. <i>Journal of Clinical Oncology</i> , <b>2010</b> , 28, 4006-12   | 2.2  | 269       |
| 77 | Regulation of cancer stem cells by cytokine networks: attacking cancer's inflammatory roots. <i>Clinical Cancer Research</i> , <b>2011</b> , 17, 6125-9   | 12.9 | 239       |
| 76 | Expression of aldehyde dehydrogenase and CD133 defines ovarian cancer stem cells. <i>International Journal of Cancer</i> , <b>2012</b> , 130, 29-39   | 7.5  | 198       |
| 75 | Mammary epithelial-specific ablation of the focal adhesion kinase suppresses mammary tumorigenesis by affecting mammary cancer stem/progenitor cells. <i>Cancer Research</i> , <b>2009</b> , 69, 466-74 | 10.1 | 168       |
| 74 | MicroRNA93 regulates proliferation and differentiation of normal and malignant breast stem cells. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002751  | 6    | 136       |

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| 73 | Gd-metallofullerenol nanomaterial as non-toxic breast cancer stem cell-specific inhibitor. <i>Nature Communications</i> , <b>2015</b> , 6, 5988  | 17.4 | 135 |
| 72 | Stem cells in mammary development and carcinogenesis: implications for prevention and treatment. <i>Stem Cell Reviews and Reports</i> , <b>2005</b> , 1, 207-13                                  | 6.4  | 96  |
| 71 | RAD51 Mediates Resistance of Cancer Stem Cells to PARP Inhibition in Triple-Negative Breast Cancer. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 514-522                                  | 12.9 | 84  |
| 70 | Mifepristone Suppresses Basal Triple-Negative Breast Cancer Stem Cells by Down-regulating KLF5 Expression. <i>Theranostics</i> , <b>2016</b> , 6, 533-44   | 12.1 | 82  |
| 69 | Breast Cancer: IL1R2 Blockade Suppresses Breast Tumorigenesis and Progression by Impairing USP15-Dependent BMI1 Stability (Adv. Sci. 1/2020). <i>Advanced Science</i> , <b>2020</b> , 7, 2070002 | 13.6 | 78  |
| 68 | Targeting the c-Met/FZD8 signaling axis eliminates patient-derived cancer stem-like cells in head and neck squamous carcinomas. <i>Cancer Research</i> , <b>2014</b> , 74, 7546-59               | 10.1 | 75  |
| 67 | Role of microRNAs in the regulation of breast cancer stem cells. <i>Journal of Mammary Gland Biology and Neoplasia</i> , <b>2012</b> , 17, 15-21   | 2.4  | 72  |
| 66 | Stress-induced epinephrine enhances lactate dehydrogenase A and promotes breast cancer stem-like cells. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 1030-1046                  | 15.9 | 68  |
| 65 | Breast cancer stem cells: current advances and clinical implications. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1293, 1-49   | 1.4  | 67  |
| 64 | Identification and functional analysis of 9p24 amplified genes in human breast cancer. <i>Oncogene</i> , <b>2012</b> , 31, 333-41  | 9.2  | 65  |
| 63 | SOCS3-mediated regulation of inflammatory cytokines in PTEN and p53 inactivated triple negative breast cancer model. <i>Oncogene</i> , <b>2015</b> , 34, 671-80                                  | 9.2  | 58  |
| 62 | MicroRNA100 inhibits self-renewal of breast cancer stem-like cells and breast tumor development. <i>Cancer Research</i> , <b>2014</b> , 74, 6648-60  | 10.1 | 58  |
| 61 | The (-)-enantiomer of gossypol possesses higher anticancer potency than racemic gossypol in human breast cancer. <i>Anticancer Research</i> , <b>2002</b> , 22, 33-8                             | 2.3  | 56  |
| 60 | Transformation of MCF-10A human breast epithelial cells by zeranol and estradiol-17beta. <i>Breast Journal</i> , <b>2004</b> , 10, 514-21  | 1.2  | 50  |
| 59 | The endogenous retrovirus-derived long noncoding RNA TROJAN promotes triple-negative breast cancer progression via ZMYND8 degradation. <i>Science Advances</i> , <b>2019</b> , 5, eaat9820       | 14.3 | 49  |
| 58 | Targeting SPINK1 in the damaged tumour microenvironment alleviates therapeutic resistance. <i>Nature Communications</i> , <b>2018</b> , 9, 4315  | 17.4 | 45  |
| 57 | Role of microRNA221 in regulating normal mammary epithelial hierarchy and breast cancer stem-like cells. <i>Oncotarget</i> , <b>2015</b> , 6, 3709-21  | 3.3  | 44  |
| 56 | Distinct FAK activities determine progenitor and mammary stem cell characteristics. <i>Cancer Research</i> , <b>2013</b> , 73, 5591-602  | 10.1 | 43  |

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|----|--|------|----|
| 55 | Identification of cancer-type specific expression patterns for active aldehyde dehydrogenase (ALDH) isoforms in ALDEFLUOR assay. <i>Cell Biology and Toxicology</i> , <b>2019</b> , 35, 161-177                      | 7.4  | 43 |
| 54 | miR-200c/141 Regulates Breast Cancer Stem Cell Heterogeneity via Targeting HIPK1/ECatenin Axis. <i>Theranostics</i> , <b>2018</b> , 8, 5801-5813   | 12.1 | 42 |
| 53 | Targeting the BRD4/FOXO3a/CDK6 axis sensitizes AKT inhibition in luminal breast cancer. <i>Nature Communications</i> , <b>2018</b> , 9, 5200   | 17.4 | 42 |
| 52 | CCL20 triggered by chemotherapy hinders the therapeutic efficacy of breast cancer. <i>PLoS Biology</i> , <b>2018</b> , 16, e2005869  | 9.7  | 39 |
| 51 | Artemin stimulates radio- and chemo-resistance by promoting TWIST1-BCL-2-dependent cancer stem cell-like behavior in mammary carcinoma cells. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 42502-1554 | 5.4  | 38 |
| 50 | Aurora A Inhibition Eliminates Myeloid Cell-Mediated Immunosuppression and Enhances the Efficacy of Anti-PD-L1 Therapy in Breast Cancer. <i>Cancer Research</i> , <b>2019</b> , 79, 3431-3444                        | 10.1 | 36 |
| 49 | Growth hormone is secreted by normal breast epithelium upon progesterone stimulation and increases proliferation of stem/progenitor cells. <i>Stem Cell Reports</i> , <b>2014</b> , 2, 780-93                        | 8    | 35 |
| 48 | Cytokines, breast cancer stem cells (BCSCs) and chemoresistance. <i>Clinical and Translational Medicine</i> , <b>2018</b> , 7, 27  | 5.7  | 34 |
| 47 | Conjugated linoleic acid induces apoptosis through estrogen receptor alpha in human breast tissue. <i>BMC Cancer</i> , <b>2008</b> , 8, 208  | 4.8  | 33 |
| 46 | Transcriptional profiles of different states of cancer stem cells in triple-negative breast cancer. <i>Molecular Cancer</i> , <b>2018</b> , 17, 65   | 42.1 | 31 |
| 45 | Function analysis of estrogenically regulated protein tyrosine phosphatase gamma (PTPgamma) in human breast cancer cell line MCF-7. <i>Oncogene</i> , <b>2004</b> , 23, 1256-62                                      | 9.2  | 31 |
| 44 | SNIP1 Recruits TET2 to Regulate c-MYC Target Genes and Cellular DNA Damage Response. <i>Cell Reports</i> , <b>2018</b> , 25, 1485-1500.e4  | 10.6 | 31 |
| 43 | IL6 blockade potentiates the anti-tumor effects of E-cadherin inhibitors in Notch3-expressing breast cancer. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 330-339                                       | 12.7 | 30 |
| 42 | The roles of ncRNAs and histone-modifiers in regulating breast cancer stem cells. <i>Protein and Cell</i> , <b>2016</b> , 7, 89-99   | 7.2  | 28 |
| 41 | Myeloid PTEN promotes chemotherapy-induced NLRP3-inflammasome activation and antitumour immunity. <i>Nature Cell Biology</i> , <b>2020</b> , 22, 716-727   | 23.4 | 28 |
| 40 | NOTCH4 maintains quiescent mesenchymal-like breast cancer stem cells via transcriptionally activating SLUG and GAS1 in triple-negative breast cancer. <i>Theranostics</i> , <b>2020</b> , 10, 2405-2421              | 12.1 | 28 |
| 39 | Downregulation of annexin A3 inhibits tumor metastasis and decreases drug resistance in breast cancer. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 126  | 9.8  | 28 |
| 38 | MiR-200c Inhibits the Tumor Progression of Glioma via Targeting Moesin. <i>Theranostics</i> , <b>2017</b> , 7, 1663-1673   | 13.1 | 28 |

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| 37 | Long non-coding RNA CCAT2 promotes oncogenesis in triple-negative breast cancer by regulating stemness of cancer cells. <i>Pharmacological Research</i> , <b>2020</b> , 152, 104628   | 10.2 | 27 |
| 36 | Deletion of Macrophage Mineralocorticoid Receptor Protects Hepatic Steatosis and Insulin Resistance Through ER $\alpha$ /HGF/Met Pathway. <i>Diabetes</i> , <b>2017</b> , 66, 1535-1547   | 0.9  | 26 |
| 35 | Artemin, a member of the glial cell line-derived neurotrophic factor family of ligands, is HER2-regulated and mediates acquired trastuzumab resistance by promoting cancer stem cell-like behavior in mammary carcinoma cells. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 16057-71 | 5.4  | 23 |
| 34 | High efficiency fabrication of complex microtube arrays by scanning focused femtosecond laser Bessel beam for trapping/releasing biological cells. <i>Optics Express</i> , <b>2017</b> , 25, 8144-8157  | 3.3  | 22 |
| 33 | Getting to the root of BRCA1-deficient breast cancer. <i>Cell Stem Cell</i> , <b>2009</b> , 5, 229-30   | 18   | 21 |
| 32 | NMT1 inhibition modulates breast cancer progression through stress-triggered JNK pathway. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 1143   | 9.8  | 19 |
| 31 | CCL20 Signaling in the Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1231, 53-65   | 3.6  | 17 |
| 30 | Estrogenic down-regulation of protein tyrosine phosphatase gamma (PTP gamma) in human breast is associated with estrogen receptor alpha. <i>Anticancer Research</i> , <b>2002</b> , 22, 3917-23   | 2.3  | 17 |
| 29 | Interfering MSN-NONO complex-activated CREB signaling serves as a therapeutic strategy for triple-negative breast cancer. <i>Science Advances</i> , <b>2020</b> , 6, eaaw9960   | 14.3 | 16 |
| 28 | Cooperativity of co-factor NR2F2 with Pioneer Factors GATA3, FOXA1 in promoting ER $\alpha$ function. <i>Theranostics</i> , <b>2019</b> , 9, 6501-6516  | 12.1 | 16 |
| 27 | IL1R2 Blockade Suppresses Breast Tumorigenesis and Progression by Impairing USP15-Dependent BMI1 Stability. <i>Advanced Science</i> , <b>2020</b> , 7, 1901728  | 13.6 | 15 |
| 26 | Discovery of novel mifepristone derivatives via suppressing KLF5 expression for the treatment of triple-negative breast cancer. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 146, 354-367   | 6.8  | 14 |
| 25 | Conjugated linoleic acid (CLA) up-regulates the estrogen-regulated cancer suppressor gene, protein tyrosine phosphatase gamma (PTPgama), in human breast cells. <i>Anticancer Research</i> , <b>2006</b> , 26, 27-34  | 2.3  | 14 |
| 24 | Mechanistic insights of adipocyte metabolism in regulating breast cancer progression. <i>Pharmacological Research</i> , <b>2020</b> , 155, 104741   | 10.2 | 12 |
| 23 | Involvement of breast epithelial-stromal interactions in the regulation of protein tyrosine phosphatase-gamma (PTPgama) mRNA expression by estrogenically active agents. <i>Breast Cancer Research and Treatment</i> , <b>2002</b> , 71, 21-35  | 4.4  | 12 |
| 22 | Conjugated linoleic acid (CLA) modulates prostaglandin E2 (PGE2) signaling in canine mammary cells. <i>Anticancer Research</i> , <b>2006</b> , 26, 889-98   | 2.3  | 11 |
| 21 | Effects of human breast stromal cells on conjugated linoleic acid (CLA) modulated vascular endothelial growth factor-A (VEGF-A) expression in MCF-7 cells. <i>Anticancer Research</i> , <b>2005</b> , 25, 4061-8  | 2.3  | 10 |
| 20 | ALDH1A1 Activity in Tumor-Initiating Cells Remodels Myeloid-Derived Suppressor Cells to Promote Breast Cancer Progression. <i>Cancer Research</i> , <b>2021</b> , 81, 5919-5934   | 10.1 | 9  |

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| 19 | Mifepristone Derivative FZU-00,003 Suppresses Triple-negative Breast Cancer Cell Growth partially via miR-153-KLF5 axis. <i>International Journal of Biological Sciences</i> , <b>2020</b> , 16, 611-619              | 11.2 | 8 |
| 18 | Identification of single chain antibodies to breast cancer stem cells using phage display. <i>Biotechnology Progress</i> , <b>2009</b> , 25, 1780-7   | 2.8  | 8 |
| 17 | Development of a novel method for rapid cloning of shRNA vectors, which successfully knocked down CD44 in mesenchymal triple-negative breast cancer cells. <i>Cancer Communications</i> , <b>2018</b> , 38, 57        | 9.4  | 7 |
| 16 | Rad51 inhibition sensitizes breast cancer stem cells to PARP inhibitor in triple-negative breast cancer. <i>Chinese Journal of Cancer</i> , <b>2017</b> , 36, 37  |      | 6 |
| 15 | Cancer Stem Cells and Neovascularization. <i>Cells</i> , <b>2021</b> , 10,  | 7.9  | 6 |
| 14 | Membrane-bound TNF mediates microtubule-targeting chemotherapeutics-induced cancer cytolysis via juxtacrine inter-cancer-cell death signaling. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 1569-1587    | 12.7 | 6 |
| 13 | Novel molecular regulators of breast cancer stem cell plasticity and heterogeneity. <i>Seminars in Cancer Biology</i> , <b>2021</b> ,   | 12.7 | 5 |
| 12 | UCP1 regulates ALDH-positive breast cancer stem cells through releasing the suppression of Snail on FBP1. <i>Cell Biology and Toxicology</i> , <b>2021</b> , 37, 277-291  | 7.4  | 5 |
| 11 | Noncoding RNAs in Cancer Cell Plasticity. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 927, 173-380   |      | 4 |
| 10 | PRMT5 regulates RNA m6A demethylation for doxorubicin sensitivity in breast cancer.. <i>Molecular Therapy</i> , <b>2022</b> ,   | 11.7 | 4 |
| 9  | Cancer Stem Cells Implications for Development of More Effective Therapies <b>2006</b> , 125-136  |      | 3 |
| 8  | TEM8 marks neovasculogenic tumor-initiating cells in triple-negative breast cancer. <i>Nature Communications</i> , <b>2021</b> , 12, 4413   | 17.4 | 3 |
| 7  | SHON expression predicts response and relapse risk of breast cancer patients after anthracycline-based combination chemotherapy or tamoxifen treatment. <i>British Journal of Cancer</i> , <b>2019</b> , 120, 728-745 | 8.7  | 2 |
| 6  | Cancer stem cell regulated phenotypic plasticity protects metastasized cancer cells from ferroptosis.. <i>Nature Communications</i> , <b>2022</b> , 13, 1371  | 17.4 | 2 |
| 5  | Single-cell transcriptomics reveal the heterogeneity and dynamic of cancer stem-like cells during breast tumor progression. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 979                                     | 9.8  | 1 |
| 4  | Knockdown of Oligosaccharyltransferase Subunit Ribophorin 1 Induces Endoplasmic-Reticulum-Stress-Dependent Cell Apoptosis in Breast Cancer. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 722624                   | 5.3  | 1 |
| 3  | Ccl3 enhances docetaxel chemosensitivity in breast cancer by triggering proinflammatory macrophage polarization <b>2022</b> , 10, e003793   |      | 0 |
| 2  | Role of Cancer Stem Cell in Mammary Carcinogenesis and Its Clinical Implication <b>2013</b> , 189-197   |      |   |

- 1 Self-Renewal Pathways in Mammary Stem Cells and Carcinogenesis **2015**, 155-174