# Kum Kum Khanna

List of Publications by Year
in descending order



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|---|---|---|---|
| 84 papers | 7,633 citations | 101384 36 h-index | 62479 80 g-index |
| 92 all docs | 92 docs citations | 92 times ranked | 13190 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Epigenome erosion and SOX10 drive neural crest phenotypic mimicry in triple-negative breast cancer. Npj Breast Cancer, 2022, 8, 57. | 2.3 | 11 |
| 2 | CX-5461 Enhances the Efficacy of APR-246 via Induction of DNA Damage and Replication Stress in Triple-Negative Breast Cancer. International Journal of Molecular Sciences, 2021, 22, 5782. | 1.8 | 16 |
| 3 | WDR62 is required for centriole duplication in spermatogenesis and manchette removal in spermiogenesis. Communications Biology, 2021, 4, 645. | 2.0 | 5 |
| 4 | Cavin3 released from caveolae interacts with BRCA1 to regulate the cellular stress response. ELife, 2021, 10, . | 2.8 | 11 |
| 5 | Targeting BRF2 in Cancer Using Repurposed Drugs. Cancers, 2021, 13, 3778. | 1.7 | 8 |
| 6 | Differential Regulation of Lacto-/Neolacto- Glycosphingolipid Biosynthesis Pathway Reveals Transcription Factors as Potential Candidates in Triple-Negative Breast Cancer. Cancers, 2021, 13, 3330. | 1.7 | 1 |
| 7 | hSSB2 (NABP1) is required for the recruitment of RPA during the cellular response to DNA UV damage. Scientific Reports, 2021, 11, 20256. | 1.6 | 6 |
| 8 | Cep55 regulation of PI3K/Akt signaling is required for neocortical development and ciliogenesis. PLoS Genetics, 2021, 17, e1009334. | 1.5 | 4 |
| 9 | Therapeutic cooperation between auranofin, a thioredoxin reductase inhibitor and antiâ€PDâ€1 antibody for treatment of tripleâ€negative breast cancer. International Journal of Cancer, 2020, 146, 123-136. | 2.3 | 63 |
| 10 | Anticancer activity of a Gold(I) phosphine thioredoxin reductase inhibitor in multiple myeloma. Redox Biology, 2020, 28, 101310. | 3.9 | 47 |
| 11 | Cep55 overexpression promotes genomic instability and tumorigenesis in mice. Communications Biology, 2020, 3, 593. | 2.0 | 17 |
| 12 | Complexities of pharmacogenomic interactions in cancer. Molecular and Cellular Oncology, 2020, 7, 1735910. | 0.3 | 4 |
| 13 | CX-5461 activates the DNA damage response and demonstrates therapeutic efficacy in high-grade serous ovarian cancer. Nature Communications, 2020, 11, 2641. | 5.8 | 90 |
| 14 | Marizomib suppresses triple-negative breast cancer via proteasome and oxidative phosphorylation inhibition. Theranostics, 2020, 10, 5259-5275. | 4.6 | 39 |
| 15 | The implication of the SUMOylation pathway in breast cancer pathogenesis and treatment. Critical Reviews in Biochemistry and Molecular Biology, 2020, 55, 54-70. | 2.3 | 9 |
| 16 | RNA-binding protein NONO contributes to cancer cell growth and confers drug resistance as a theranostic target in TNBC. Theranostics, 2020, 10, 7974-7992. | 4.6 | 42 |
| 17 | Chromosome arm aneuploidies shape tumour evolution and drug response. Nature Communications, 2020, 11, 449. | 5.8 | 65 |
| 18 | First meiotic anaphase requires Cep55-dependent inhibitory Cdk1 phosphorylation. Journal of Cell Science, 2019, 132, . | 1.2 | 12 |

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|---|---|---|---|
| 19 | GSK3-Î² Stimulates Claspin Degradation via Î²-TrCP Ubiquitin Ligase and Alters Cancer Cell Survival. Cancers, 2019, 11, 1073. | 1.7 | 3 |
| 20 | Mechanisms of Genomic Instability in Breast Cancer. Trends in Molecular Medicine, 2019, 25, 595-611. | 3.5 | 109 |
| 21 | A Comprehensive Review on Current Advances in Peptide Drug Development and Design. International Journal of Molecular Sciences, 2019, 20, 2383. | 1.8 | 413 |
| 22 | MYB regulates the DNA damage response and components of the homology-directed repair pathway in human estrogen receptor-positive breast cancer cells. Oncogene, 2019, 38, 5239-5249. | 2.6 | 20 |
| 23 | Blockade of PDGFRÎ² circumvents resistance to MEK-JAK inhibition via intratumoral CD8+ T-cells infiltrationÂin triple-negative breast cancer. Journal of Experimental and Clinical Cancer Research, 2019, 38, 85. | 3.5 | 13 |
| 24 | Patterns of Genomic Instability in Breast Cancer. Trends in Pharmacological Sciences, 2019, 40, 198-211. | 4.0 | 68 |
| 25 | Mitotic slippage: an old tale with a new twist. Cell Cycle, 2019, 18, 7-15. | 1.3 | 81 |
| 26 | Characterization of a novel breast cancer cell line derived from a metastatic bone lesion of a breast cancer patient. Breast Cancer Research and Treatment, 2018, 170, 179-188. | 1.1 | 5 |
| 27 | The breast cancer antigen 5T4 interacts with Rab11, and is a target and regulator of Rab11 mediated trafficking. International Journal of Biochemistry and Cell Biology, 2018, 99, 28-37. | 1.2 | 5 |
| 28 | Multidimensional phenotyping of breast cancer cell lines to guide preclinical research. Breast Cancer Research and Treatment, 2018, 167, 289-301. | 1.1 | 27 |
| 29 | Optimizing poly (<scp>ADP</scp>â€ribose) polymerase inhibition through combined epigenetic and immunotherapy. Cancer Science, 2018, 109, 3383-3392. | 1.7 | 28 |
| 30 | <scp>CEP</scp> 55 is a determinant of cell fate during perturbed mitosis in breast cancer. EMBO Molecular Medicine, 2018, 10, . | 3.3 | 59 |
| 31 | Cep55 overexpression causes maleâ€specific sterility in mice by suppressing Foxo1 nuclear retention through sustained activation of PI3K/Akt signaling. FASEB Journal, 2018, 32, 4984-4999. | 0.2 | 43 |
| 32 | RAD51 paralogs promote genomic integrity and chemoresistance in cancer by facilitating homologous recombination. Annals of Translational Medicine, 2018, 6, S122-S122. | 0.7 | 6 |
| 33 | Serendipity, luck and hard work. Nature Cell Biology, 2018, 20, 1004-1004. | 4.6 | 0 |
| 34 | Ssb1 and Ssb2 cooperate to regulate mouse hematopoietic stem and progenitor cells by resolving replicative stress. Blood, 2017, 129, 2479-2492. | 0.6 | 18 |
| 35 | Enhanced dependency of <scp>KRAS</scp>â€mutant colorectal cancer cells on <scp>RAD</scp>51â€dependent homologous recombination repair identified from genetic interactions in Saccharomyces cerevisiae. Molecular Oncology, 2017, 11, 470-490. | 2.1 | 33 |
| 36 | Whole-genome landscape of pancreatic neuroendocrine tumours. Nature, 2017, 543, 65-71. | 13.7 | 716 |

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|---|---|---|---|
| 37 | Identification of ATM-Interacting Proteins by Co-immunoprecipitation and Glutathione-S-Transferase (GST) Pull-Down Assays. Methods in Molecular Biology, 2017, 1599, 163-181. | 0.4 | 5 |
| 38 | DNA-damage-induced degradation of EXO1 exonuclease limits DNA end resection to ensure accurate DNA repair. Journal of Biological Chemistry, 2017, 292, 10779-10790. | 1.6 | 61 |
| 39 | Quinazolinone derivatives as inhibitors of homologous recombinase RAD51. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3096-3100. | 1.0 | 17 |
| 40 | The metastasis suppressor RARRES3 as an endogenous inhibitor of the immunoproteasome expression in breast cancer cells. Scientific Reports, 2017, 7, 39873. | 1.6 | 21 |
| 41 | Long Noncoding RNAs CUPID1 and CUPID2 Mediate Breast Cancer Risk at 11q13 by Modulating the Response to DNA Damage. American Journal of Human Genetics, 2017, 101, 255-266. | 2.6 | 77 |
| 42 | Differentiation of Human Induced Pluripotent or Embryonic Stem Cells Decreases the DNA Damage Repair by Homologous Recombination. Stem Cell Reports, 2017, 9, 1660-1674. | 2.3 | 33 |
| 43 | Signaling to the Epigenome: New Insights into the Roles of Nuclear Signaling Kinases in the Context of the Immune System and Cancer. Frontiers in Immunology, 2017, 8, 980. | 2.2 | 0 |
| 44 | Adenosine 2B Receptor Expression on Cancer Cells Promotes Metastasis. Cancer Research, 2016, 76, 4372-4382. | 0.4 | 130 |
| 45 | Functional mechanisms underlying pleiotropic risk alleles at the 19p13.1 breastâ€“ovarian cancer susceptibility locus. Nature Communications, 2016, 7, 12675. | 5.8 | 78 |
| 46 | Integrating Multi-omics Data to Dissect Mechanisms of DNA repair Dysregulation in Breast Cancer. Scientific Reports, 2016, 6, 34000. | 1.6 | 8 |
| 47 | High content screening application for cell-type specific behaviour in heterogeneous primary breast epithelial subpopulations. Breast Cancer Research, 2016, 18, 18. | 2.2 | 9 |
| 48 | Understanding the functional impact of copy number alterations in breast cancer using a network modeling approach. Molecular BioSystems, 2016, 12, 963-972. | 2.9 | 25 |
| 49 | Inhibition of RNA polymerase I transcription initiation by CX-5461 activates non-canonical ATM/ATR signaling. Oncotarget, 2016, 7, 49800-49818. | 0.8 | 93 |
| 50 | Germline polymorphisms in an enhancer of PSIP1 are associated with progression-free survival in epithelial ovarian cancer. Oncotarget, 2016, 7, 6353-6368. | 0.8 | 29 |
| 51 | Integrated genomic and transcriptomic analysis of human brain metastases identifies alterations of potential clinical significance. Journal of Pathology, 2015, 237, 363-378. | 2.1 | 98 |
| 52 | Cep55 regulates embryonic growth and development by promoting Akt stability in zebrafish. FASEB Journal, 2015, 29, 1999-2009. | 0.2 | 24 |
| 53 | Single-Strand DNA-Binding Protein SSB1 Facilitates TERT Recruitment to Telomeres and Maintains Telomere G-Overhangs. Cancer Research, 2015, 75, 858-869. | 0.4 | 19 |
| 54 | The Integrator complex controls the termination of transcription at diverse classes of gene targets. Cell Research, 2015, 25, 288-305. | 5.7 | 113 |

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|---|---|---|---|
| 55 | The Nuclear Oncogene SET Controls DNA Repair by KAP1 and HP1 Retention to Chromatin. Cell Reports, 2015, 11, 149-163. | 2.9 | 82 |
| 56 | Ssb2/Nabp1 is dispensable for thymic maturation, male fertility, and DNA repair in mice. FASEB Journal, 2015, 29, 3326-3334. | 0.2 | 11 |
| 57 | ATM-dependent phosphorylation of MRE11 controls extent of resection during homology directed repair by signalling through Exonuclease 1. Nucleic Acids Research, 2015, 43, 8352-8367. | 6.5 | 54 |
| 58 | Targeted Therapies for Triple-Negative Breast Cancer: Combating a Stubborn Disease. Trends in Pharmacological Sciences, 2015, 36, 822-846. | 4.0 | 242 |
| 59 | Differences in Expression of Key DNA Damage Repair Genes after Epigenetic-Induced BRCAness Dictate Synthetic Lethality with PARP1 Inhibition. Molecular Cancer Therapeutics, 2015, 14, 2321-2331. | 1.9 | 42 |
| 60 | Using the MCF10A/MCF10CA1a Breast Cancer Progression Cell Line Model to Investigate the Effect of Active, Mutant Forms of EGFR in Breast Cancer Development and Treatment Using Gefitinib. PLoS ONE, 2015, 10, e0125232. | 1.1 | 27 |
| 61 | MEK5-ERK5 pathway associates with poor survival of breast cancer patients after systemic treatments. Oncoscience, 2015, 2, 99-101. | 0.9 | 26 |
| 62 | Heregulin-HER3-HER2 signaling promotes matrix metalloproteinase-dependent blood-brain-barrier transendothelial migration of human breast cancer cell lines. Oncotarget, 2015, 6, 3932-3946. | 0.8 | 60 |
| 63 | SSB1/NABP2 and SSB2/NABP1 Have Essential and Overlapping Roles in Maintaining Hematopoietic Stem and Progenitor Cells. Blood, 2015, 126, 2405-2405. | 0.6 | 0 |
| 64 | Human single-stranded DNA binding protein 1 (hSSB1/NABP2) is required for the stability and repair of stalled replication forks. Nucleic Acids Research, 2014, 42, 6326-6336. | 6.5 | 48 |
| 65 | Gemcitabine and CHK1 Inhibition Potentiate EGFR-Directed Radioimmunotherapy against Pancreatic Ductal Adenocarcinoma. Clinical Cancer Research, 2014, 20, 3187-3197. | 3.2 | 32 |
| 66 | Selenoprotein S is a marker but not a regulator of endoplasmic reticulum stress in intestinal epithelial cells. Free Radical Biology and Medicine, 2014, 67, 265-277. | 1.3 | 34 |
| 67 | Natural Killer Cells Are Essential for the Ability of BRAF Inhibitors to Control BRAFV600E-Mutant Metastatic Melanoma. Cancer Research, 2014, 74, 7298-7308. | 0.4 | 96 |
| 68 | SCF-FBXO31 E3 Ligase Targets DNA Replication Factor Cdt1 for Proteolysis in the G2 Phase of Cell Cycle to Prevent Re-replication. Journal of Biological Chemistry, 2014, 289, 18514-18525. | 1.6 | 49 |
| 69 | Chromatinized Protein Kinase C-Î¸ Directly Regulates Inducible Genes in Epithelial to Mesenchymal Transition and Breast Cancer Stem Cells. Molecular and Cellular Biology, 2014, 34, 2961-2980. | 1.1 | 40 |
| 70 | Phosphorylation of EXO1 by CDKs 1 and 2 regulates DNA end resection and repair pathway choice. Nature Communications, 2014, 5, 3561. | 5.8 | 143 |
| 71 | Centrobin regulates centrosome function in interphase cells by limiting pericentriolar matrix recruitment. Cell Cycle, 2013, 12, 899-906. | 1.3 | 15 |
| 72 | Mouse models uncap novel roles of SSBs. Cell Research, 2013, 23, 744-745. | 5.7 | 5 |

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| 73 | Essential Developmental, Genomic Stability, and Tumour Suppressor Functions of the Mouse Orthologue of hSSB1/NABP2. PLoS Genetics, 2013, 9, e1003298. | 1.5 | 28 |
| 74 | hSSB1 and hSSB2 Form Similar Multiprotein Complexes That Participate in DNA Damage Response. Journal of Biological Chemistry, 2009, 284, 23525-23531. | 1.6 | 98 |
| 75 | Cep55 stabilization is required for normal execution of cytokinesis. Cell Cycle, 2009, 8, 3742-3749. | 1.3 | 35 |
| 76 | Multiple human single-stranded DNA binding proteins function in genome maintenance: structural, biochemical and functional analysis. Critical Reviews in Biochemistry and Molecular Biology, 2009, 44, 98-116. | 2.3 | 96 |
| 77 | The Peptidyl-Prolyl Isomerase Pin1 Regulates Cytokinesis through Cep55. Cancer Research, 2009, 69, 6651-6659. | 0.4 | 41 |
| 78 | INTS3 controls the hSSB1-mediated DNA damage response. Journal of Cell Biology, 2009, 187, 25-32. | 2.3 | 80 |
| 79 | Single-stranded DNA-binding protein hSSB1 is critical for genomic stability. Nature, 2008, 453, 677-681. | 13.7 | 220 |
| 80 | Cdk1/Erk2- and Plk1-Dependent Phosphorylation of a Centrosome Protein, Cep55, Is Required for Its Recruitment to Midbody and Cytokinesis. Developmental Cell, 2005, 9, 477-488. | 3.1 | 273 |
| 81 | DNA double-strand breaks: signaling, repair and the cancer connection. Nature Genetics, 2001, 27, 247-254. | 9.4 | 2,116 |
| 82 | Ataxia-telangiectasia: chronic activation of damage-responsive functions is reduced by Î±-lipoic acid. Oncogene, 2001, 20, 289-294. | 2.6 | 68 |
| 83 | Cellular localisation of the ataxia-telangiectasia (ATM) gene product and discrimination between mutated and normal forms. Oncogene, 1997, 14, 1911-1921. | 2.6 | 172 |
| 84 | Interaction between ATM protein and c-Abl in response to DNA damage. Nature, 1997, 387, 520-523. | 13.7 | 460 |