

Kum Kum Khanna

List of Publications by Year in descending order

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Version: 2024-02-01

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	DNA double-strand breaks: signaling, repair and the cancer connection. <i>Nature Genetics</i> , 2001, 27, 247-254.	9.4	2,116
2	Whole-genome landscape of pancreatic neuroendocrine tumours. <i>Nature</i> , 2017, 543, 65-71.	13.7	716
3	Interaction between ATM protein and c-Abl in response to DNA damage. <i>Nature</i> , 1997, 387, 520-523.	13.7	460
4	A Comprehensive Review on Current Advances in Peptide Drug Development and Design. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2383.	1.8	413
5	Cdk1/Erk2- and Plk1-Dependent Phosphorylation of a Centrosome Protein, Cep55, Is Required for Its Recruitment to Midbody and Cytokinesis. <i>Developmental Cell</i> , 2005, 9, 477-488.	3.1	273
6	Targeted Therapies for Triple-Negative Breast Cancer: Combating a Stubborn Disease. <i>Trends in Pharmacological Sciences</i> , 2015, 36, 822-846.	4.0	242
7	Single-stranded DNA-binding protein hSSB1 is critical for genomic stability. <i>Nature</i> , 2008, 453, 677-681.	13.7	220
8	Cellular localisation of the ataxia-telangiectasia (ATM) gene product and discrimination between mutated and normal forms. <i>Oncogene</i> , 1997, 14, 1911-1921.	2.6	172
9	Phosphorylation of EXO1 by CDKs 1 and 2 regulates DNA end resection and repair pathway choice. <i>Nature Communications</i> , 2014, 5, 3561.	5.8	143
10	Adenosine 2B Receptor Expression on Cancer Cells Promotes Metastasis. <i>Cancer Research</i> , 2016, 76, 4372-4382.	0.4	130
11	The Integrator complex controls the termination of transcription at diverse classes of gene targets. <i>Cell Research</i> , 2015, 25, 288-305.	5.7	113
12	Mechanisms of Genomic Instability in Breast Cancer. <i>Trends in Molecular Medicine</i> , 2019, 25, 595-611.	3.5	109
13	hSSB1 and hSSB2 Form Similar Multiprotein Complexes That Participate in DNA Damage Response. <i>Journal of Biological Chemistry</i> , 2009, 284, 23525-23531.	1.6	98
14	Integrated genomic and transcriptomic analysis of human brain metastases identifies alterations of potential clinical significance. <i>Journal of Pathology</i> , 2015, 237, 363-378.	2.1	98
15	Multiple human single-stranded DNA binding proteins function in genome maintenance: structural, biochemical and functional analysis. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2009, 44, 98-116.	2.3	96
16	Natural Killer Cells Are Essential for the Ability of BRAF Inhibitors to Control BRAFV600E-Mutant Metastatic Melanoma. <i>Cancer Research</i> , 2014, 74, 7298-7308.	0.4	96
17	Inhibition of RNA polymerase I transcription initiation by CX-5461 activates non-canonical ATM/ATR signaling. <i>Oncotarget</i> , 2016, 7, 49800-49818.	0.8	93
18	CX-5461 activates the DNA damage response and demonstrates therapeutic efficacy in high-grade serous ovarian cancer. <i>Nature Communications</i> , 2020, 11, 2641.	5.8	90

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19	The Nuclear Oncogene SET Controls DNA Repair by KAP1 and HP1 Retention to Chromatin. <i>Cell Reports</i> , 2015, 11, 149-163.	2.9	82
20	Mitotic slippage: an old tale with a new twist. <i>Cell Cycle</i> , 2019, 18, 7-15.	1.3	81
21	INTS3 controls the hSSB1-mediated DNA damage response. <i>Journal of Cell Biology</i> , 2009, 187, 25-32.	2.3	80
22	Functional mechanisms underlying pleiotropic risk alleles at the 19p13.1 breast-ovarian cancer susceptibility locus. <i>Nature Communications</i> , 2016, 7, 12675.	5.8	78
23	Long Noncoding RNAs CUPID1 and CUPID2 Mediate Breast Cancer Risk at 11q13 by Modulating the Response to DNA Damage. <i>American Journal of Human Genetics</i> , 2017, 101, 255-266.	2.6	77
24	Ataxia-telangiectasia: chronic activation of damage-responsive functions is reduced by α -lipoic acid. <i>Oncogene</i> , 2001, 20, 289-294.	2.6	68
25	Patterns of Genomic Instability in Breast Cancer. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 198-211.	4.0	68
26	Chromosome arm aneuploidies shape tumour evolution and drug response. <i>Nature Communications</i> , 2020, 11, 449.	5.8	65
27	Therapeutic cooperation between auranofin, a thioredoxin reductase inhibitor and anti- PD-L1 antibody for treatment of triple-negative breast cancer. <i>International Journal of Cancer</i> , 2020, 146, 123-136.	2.3	63
28	DNA-damage-induced degradation of EXO1 exonuclease limits DNA end resection to ensure accurate DNA repair. <i>Journal of Biological Chemistry</i> , 2017, 292, 10779-10790.	1.6	61
29	Heregulin-HER3-HER2 signaling promotes matrix metalloproteinase-dependent blood-brain-barrier transendothelial migration of human breast cancer cell lines. <i>Oncotarget</i> , 2015, 6, 3932-3946.	0.8	60
30	CEP55 is a determinant of cell fate during perturbed mitosis in breast cancer. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	59
31	ATM-dependent phosphorylation of MRE11 controls extent of resection during homology directed repair by signalling through Exonuclease 1. <i>Nucleic Acids Research</i> , 2015, 43, 8352-8367.	6.5	54
32	SCF-FBXO31 E3 Ligase Targets DNA Replication Factor Cdt1 for Proteolysis in the G2 Phase of Cell Cycle to Prevent Re-replication. <i>Journal of Biological Chemistry</i> , 2014, 289, 18514-18525.	1.6	49
33	Human single-stranded DNA binding protein 1 (hSSB1/NABP2) is required for the stability and repair of stalled replication forks. <i>Nucleic Acids Research</i> , 2014, 42, 6326-6336.	6.5	48
34	Anticancer activity of a Gold(I) phosphine thioredoxin reductase inhibitor in multiple myeloma. <i>Redox Biology</i> , 2020, 28, 101310.	3.9	47
35	Cep55 overexpression causes male-specific sterility in mice by suppressing Foxo1 nuclear retention through sustained activation of PI3K/Akt signaling. <i>FASEB Journal</i> , 2018, 32, 4984-4999.	0.2	43
36	Differences in Expression of Key DNA Damage Repair Genes after Epigenetic-Induced BRCAness Dictate Synthetic Lethality with PARP1 Inhibition. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 2321-2331.	1.9	42

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37	RNA-binding protein NONO contributes to cancer cell growth and confers drug resistance as a theranostic target in TNBC. <i>Theranostics</i> , 2020, 10, 7974-7992.	4.6	42
38	The Peptidyl-Prolyl Isomerase Pin1 Regulates Cytokinesis through Cep55. <i>Cancer Research</i> , 2009, 69, 6651-6659.	0.4	41
39	Chromatinized Protein Kinase C- β Directly Regulates Inducible Genes in Epithelial to Mesenchymal Transition and Breast Cancer Stem Cells. <i>Molecular and Cellular Biology</i> , 2014, 34, 2961-2980.	1.1	40
40	Marizomib suppresses triple-negative breast cancer via proteasome and oxidative phosphorylation inhibition. <i>Theranostics</i> , 2020, 10, 5259-5275.	4.6	39
41	Cep55 stabilization is required for normal execution of cytokinesis. <i>Cell Cycle</i> , 2009, 8, 3742-3749.	1.3	35
42	Selenoprotein S is a marker but not a regulator of endoplasmic reticulum stress in intestinal epithelial cells. <i>Free Radical Biology and Medicine</i> , 2014, 67, 265-277.	1.3	34
43	Enhanced dependency of <i>KRAS</i> mutant colorectal cancer cells on <i>RAD51</i> -dependent homologous recombination repair identified from genetic interactions in <i>Saccharomyces cerevisiae</i> . <i>Molecular Oncology</i> , 2017, 11, 470-490.	2.1	33
44	Differentiation of Human Induced Pluripotent or Embryonic Stem Cells Decreases the DNA Damage Repair by Homologous Recombination. <i>Stem Cell Reports</i> , 2017, 9, 1660-1674.	2.3	33
45	Gemcitabine and CHK1 Inhibition Potentiate EGFR-Directed Radioimmunotherapy against Pancreatic Ductal Adenocarcinoma. <i>Clinical Cancer Research</i> , 2014, 20, 3187-3197.	3.2	32
46	Germline polymorphisms in an enhancer of <i>PSIP1</i> are associated with progression-free survival in epithelial ovarian cancer. <i>Oncotarget</i> , 2016, 7, 6353-6368.	0.8	29
47	Essential Developmental, Genomic Stability, and Tumour Suppressor Functions of the Mouse Orthologue of hSSB1/NABP2. <i>PLoS Genetics</i> , 2013, 9, e1003298.	1.5	28
48	Optimizing poly (ADP-ribose) polymerase inhibition through combined epigenetic and immunotherapy. <i>Cancer Science</i> , 2018, 109, 3383-3392.	1.7	28
49	Multidimensional phenotyping of breast cancer cell lines to guide preclinical research. <i>Breast Cancer Research and Treatment</i> , 2018, 167, 289-301.	1.1	27
50	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. <i>PLoS ONE</i> , 2015, 10, e0125232.	1.1	27
51	MEK5-ERK5 pathway associates with poor survival of breast cancer patients after systemic treatments. <i>Oncoscience</i> , 2015, 2, 99-101.	0.9	26
52	Understanding the functional impact of copy number alterations in breast cancer using a network modeling approach. <i>Molecular BioSystems</i> , 2016, 12, 963-972.	2.9	25
53	Cep55 regulates embryonic growth and development by promoting Akt stability in zebrafish. <i>FASEB Journal</i> , 2015, 29, 1999-2009.	0.2	24
54	The metastasis suppressor RARRES3 as an endogenous inhibitor of the immunoproteasome expression in breast cancer cells. <i>Scientific Reports</i> , 2017, 7, 39873.	1.6	21

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55	MYB regulates the DNA damage response and components of the homology-directed repair pathway in human estrogen receptor-positive breast cancer cells. <i>Oncogene</i> , 2019, 38, 5239-5249.	2.6	20
56	Single-Strand DNA-Binding Protein SSB1 Facilitates TERT Recruitment to Telomeres and Maintains Telomere G-Overhangs. <i>Cancer Research</i> , 2015, 75, 858-869.	0.4	19
57	Ssb1 and Ssb2 cooperate to regulate mouse hematopoietic stem and progenitor cells by resolving replicative stress. <i>Blood</i> , 2017, 129, 2479-2492.	0.6	18
58	Quinazolinone derivatives as inhibitors of homologous recombinase RAD51. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3096-3100.	1.0	17
59	Cep55 overexpression promotes genomic instability and tumorigenesis in mice. <i>Communications Biology</i> , 2020, 3, 593.	2.0	17
60	CX-5461 Enhances the Efficacy of APR-246 via Induction of DNA Damage and Replication Stress in Triple-Negative Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5782.	1.8	16
61	Centrobins regulate centrosome function in interphase cells by limiting pericentriolar matrix recruitment. <i>Cell Cycle</i> , 2013, 12, 899-906.	1.3	15
62	Blockade of PDGFR β circumvents resistance to MEK-JAK inhibition via intratumoral CD8+ T-cells infiltration in triple-negative breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 85.	3.5	13
63	First meiotic anaphase requires Cep55-dependent inhibitory Cdk1 phosphorylation. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	12
64	Ssb2/Nabp1 is dispensable for thymic maturation, male fertility, and DNA repair in mice. <i>FASEB Journal</i> , 2015, 29, 3326-3334.	0.2	11
65	Cavin3 released from caveolae interacts with BRCA1 to regulate the cellular stress response. <i>ELife</i> , 2021, 10, .	2.8	11
66	Epigenome erosion and SOX10 drive neural crest phenotypic mimicry in triple-negative breast cancer. <i>Npj Breast Cancer</i> , 2022, 8, 57.	2.3	11
67	High content screening application for cell-type specific behaviour in heterogeneous primary breast epithelial subpopulations. <i>Breast Cancer Research</i> , 2016, 18, 18.	2.2	9
68	The implication of the SUMOylation pathway in breast cancer pathogenesis and treatment. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2020, 55, 54-70.	2.3	9
69	Integrating Multi-omics Data to Dissect Mechanisms of DNA repair Dysregulation in Breast Cancer. <i>Scientific Reports</i> , 2016, 6, 34000.	1.6	8
70	Targeting BRF2 in Cancer Using Repurposed Drugs. <i>Cancers</i> , 2021, 13, 3778.	1.7	8
71	RAD51 paralogs promote genomic integrity and chemoresistance in cancer by facilitating homologous recombination. <i>Annals of Translational Medicine</i> , 2018, 6, S122-S122.	0.7	6
72	hSSB2 (NABP1) is required for the recruitment of RPA during the cellular response to DNA UV damage. <i>Scientific Reports</i> , 2021, 11, 20256.	1.6	6

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73	Mouse models uncap novel roles of SSBs. <i>Cell Research</i> , 2013, 23, 744-745.	5.7	5
74	Identification of ATM-Interacting Proteins by Co-immunoprecipitation and Glutathione-S-Transferase (GST) Pull-Down Assays. <i>Methods in Molecular Biology</i> , 2017, 1599, 163-181.	0.4	5
75	Characterization of a novel breast cancer cell line derived from a metastatic bone lesion of a breast cancer patient. <i>Breast Cancer Research and Treatment</i> , 2018, 170, 179-188.	1.1	5
76	The breast cancer antigen 5T4 interacts with Rab11, and is a target and regulator of Rab11 mediated trafficking. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 99, 28-37.	1.2	5
77	WDR62 is required for centriole duplication in spermatogenesis and manchette removal in spermiogenesis. <i>Communications Biology</i> , 2021, 4, 645.	2.0	5
78	Complexities of pharmacogenomic interactions in cancer. <i>Molecular and Cellular Oncology</i> , 2020, 7, 1735910.	0.3	4
79	Cep55 regulation of PI3K/Akt signaling is required for neocortical development and ciliogenesis. <i>PLoS Genetics</i> , 2021, 17, e1009334.	1.5	4
80	GSK3- \hat{I}^2 Stimulates Caspase Degradation via \hat{I}^2 -TrCP Ubiquitin Ligase and Alters Cancer Cell Survival. <i>Cancers</i> , 2019, 11, 1073.	1.7	3
81	Differential Regulation of Lacto-/Neolacto- Glycosphingolipid Biosynthesis Pathway Reveals Transcription Factors as Potential Candidates in Triple-Negative Breast Cancer. <i>Cancers</i> , 2021, 13, 3330.	1.7	1
82	Signaling to the Epigenome: New Insights into the Roles of Nuclear Signaling Kinases in the Context of the Immune System and Cancer. <i>Frontiers in Immunology</i> , 2017, 8, 980.	2.2	0
83	SSB1/NABP2 and SSB2/NABP1 Have Essential and Overlapping Roles in Maintaining Hematopoietic Stem and Progenitor Cells. <i>Blood</i> , 2015, 126, 2405-2405.	0.6	0
84	Serendipity, luck and hard work. <i>Nature Cell Biology</i> , 2018, 20, 1004-1004.	4.6	0