Sagar Sengupta

List of Publications by Year
in descending order

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54 papers	4,131 citations	172457 29 h-index	168389 53 g-index
55 all docs	55 docs citations	55 times ranked	6742 citing authors

#	Article	IF	Citations
1	Inertial Focusing for Tumor Antigenâ€“Dependent and â€“Independent Sorting of Rare Circulating Tumor Cells. Science Translational Medicine, 2013, 5, 179ra47.	12.4	910
2	p53: traffic cop at the crossroads of DNA repair and recombination. Nature Reviews Molecular Cell Biology, 2005, 6, 44-55.	37.0	478
3	p53-Induced Up-Regulation of MnSOD and GPx but not Catalase Increases Oxidative Stress and Apoptosis. Cancer Research, 2004, 64, 2350-2356.	0.9	326
4	BLM helicase-dependent transport of p53 to sites of stalled DNA replication forks modulates homologous recombination. EMBO Journal, 2003, 22, 1210-1222.	7.8	196
5	Mammalian proapoptotic factor ChaC1 and its homologues function as Î³â€glutamyl cyclotransferases acting specifically on glutathione. EMBO Reports, 2012, 13, 1095-1101.	4.5	164
6	p53 interacts with hRAD51 and hRAD54, and directly modulates homologous recombination. Cancer Research, 2003, 63, 2596-605.	0.9	133
7	Cholesterol-tethered platinum II-based supramolecular nanoparticle increases antitumor efficacy and reduces nephrotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11294-11299.	7.1	121
8	Functional interaction between BLM helicase and 53BP1 in a Chk1-mediated pathway during S-phase arrest. Journal of Cell Biology, 2004, 166, 801-813.	5.2	118
9	ING2 Regulates the Onset of Replicative Senescence by Induction of p300-Dependent p53 Acetylation. Molecular and Cellular Biology, 2005, 25, 6639-6648.	2.3	116
10	Nanoparticle-mediated targeting of MAPK signaling predisposes tumor to chemotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7957-7961.	7.1	116
11	Ligand-dependent interaction of the glucocorticoid receptor with p53 enhances their degradation by Hdm2. Genes and Development, 2001, 15, 2367-2380.	5.9	108
12	Negative cross-talk between p53 and the glucocorticoid receptor and its role in neuroblastoma cells. EMBO Journal, 2000, 19, 6051-6064.	7.8	90
13	RECQL4 is essential for the transport of p53 to mitochondria in normal human cells in the absence of exogenous stress. Journal of Cell Science, 2012, 125, 2509-22.	2.0	88
14	Tumor suppressor p53 represses transcription of RECQ4 helicase. Oncogene, 2005, 24, 1738-1748.	5.9	75
15	Injectable small molecule hydrogel as a potential nanocarrier for localized and sustained in vivo delivery of doxorubicin. Nanoscale, 2014, 6, 12849-12855.	5.6	75
16	Physiological and Pathological Consequences of the Interactions of the p53 Tumor Suppressor with the Glucocorticoid, Androgen, and Estrogen Receptors. Annals of the New York Academy of Sciences, 2004, 1024, 54-71.	3.8	69
17	The mismatch DNA repair heterodimer, hMSH2/6, regulates BLM helicase. Oncogene, 2004, 23, 3749-3756.	5.9	66
18	RECQL4 and p53 potentiate the activity of polymerase Î³ and maintain the integrity of the human mitochondrial genome. Carcinogenesis, 2014, 35, 34-45.	2.8	55

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19	MRN complex-dependent recruitment of ubiquitylated BLM helicase to DSBs negatively regulates DNA repair pathways. Nature Communications, 2018, 9, 1016.	12.8	54
20	BLM Helicase Facilitates Mus81 Endonuclease Activity in Human Cells. Cancer Research, 2005, 65, 2526-2531.	0.9	47
21	BLM helicaseâ€“dependent and â€“independent roles of 53BP1 during replication stressâ€“mediated homologous recombination. Journal of Cell Biology, 2007, 178, 9-14.	5.2	47
22	Ubiquitin-dependent recruitment of the Bloom Syndrome helicase upon replication stress is required to suppress homologous recombination. EMBO Journal, 2013, 32, 1778-1792.	7.8	46
23	Design, Synthesis, and Mechanistic Investigations of Bile Acidâ€“Tamoxifen Conjugates for Breast Cancer Therapy. Bioconjugate Chemistry, 2013, 24, 1468-1484.	3.6	42
24	Inositol Pyrophosphate Synthesis by Inositol Hexakisphosphate Kinase 1 Is Required for Homologous Recombination Repair. Journal of Biological Chemistry, 2013, 288, 3312-3321.	3.4	42
25	Functions of BLM Helicase in Cells: Is It Acting Like a Double-Edged Sword?. Frontiers in Genetics, 2021, 12, 634789.	2.3	41
26	Phosphorylation-dependent interactions of BLM and 53BP1 are required for their anti-recombinogenic roles during homologous recombination. Carcinogenesis, 2007, 29, 52-61.	2.8	37
27	The p53 tumour suppressor inhibits glucocorticoidâ€induced proliferation of erythroid progenitors. EMBO Reports, 2002, 3, 569-574.	4.5	35
28	ING2 controls the progression of DNA replication forks to maintain genome stability. EMBO Reports, 2009, 10, 1168-1174.	4.5	33
29	A Localized Chimeric Hydrogel Therapy Combats Tumor Progression through Alteration of Sphingolipid Metabolism. ACS Central Science, 2019, 5, 1648-1662.	11.3	32
30	Time to Bloom. Genome Integrity, 2010, 1, 14.	1.0	31
31	BLM helicase stimulates the ATPase and chromatin-remodeling activities of RAD54. Journal of Cell Science, 2009, 122, 3093-3103.	2.0	30
32	Phosphorylation of nucleoporin Tpr governs its differential localization and is required for its mitotic function. Journal of Cell Science, 2014, 127, 3505-3520.	2.0	29
33	Purification and characterization of assimilatory nitrite reductase from Candida utilis. Biochemical Journal, 1996, 317, 147-155.	3.7	27
34	Synthesis, structureâ€“activity relationship, and mechanistic investigation of lithocholic acidamphiphiles for colon cancer therapy. MedChemComm, 2015, 6, 192-201.	3.4	25
35	Chk1-Dependent Constitutive Phosphorylation of BLM Helicase at Serine 646 Decreases after DNA Damage. Molecular Cancer Research, 2010, 8, 1234-1247.	3.4	22
36	Abrogation of FBW7Î±-dependent p53 degradation enhances p53â€™s function as a tumor suppressor. Journal of Biological Chemistry, 2019, 294, 13224-13232.	3.4	22

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37	Enhancement of c-Myc degradation by Bloom (BLM) helicase leads to delayed tumor initiation. Journal of Cell Science, 2013, 126, 3782-95.	2.0	21
38	Mitotic phosphorylation of Bloom helicase at Thr182 is required for its proteasomal degradation and maintenance of chromosomal stability. Oncogene, 2016, 35, 1025-1038.	5.9	19
39	BLM Potentiates c-Jun Degradation and Alters Its Function as an Oncogenic Transcription Factor. Cell Reports, 2018, 24, 947-961.e7.	6.4	19
40	Tethering of Chemotherapeutic Drug/Imaging Agent to Bile Acid-Phospholipid Increases the Efficacy and Bioavailability with Reduced Hepatotoxicity. Bioconjugate Chemistry, 2017, 28, 2942-2953.	3.6	16
41	The Med8 mediator subunit interacts with the Rpb4 subunit of RNA polymerase II and Ace2 transcriptional activator in Schizosaccharomyces pombe. FEBS Letters, 2009, 583, 3115-3120.	2.8	14
42	MITOL-dependent ubiquitylation negatively regulates the entry of PolÎ³A into mitochondria. PLoS Biology, 2021, 19, e3001139.	5.6	14
43	Mitochondrial functions of RECQL4 are required for the prevention of aerobic glycolysis dependent cell invasion. Journal of Cell Science, 2016, 129, 1312-8.	2.0	13
44	Bile Acid Tethered Docetaxelâ€Based Nanomicelles Mitigate Tumor Progression through Epigenetic Changes. Angewandte Chemie - International Edition, 2021, 60, 5394-5399.	13.8	13
45	Mycobacterium tuberculosis exploits host ATM kinase for survival advantage through SecA2 secretome. ELife, 2020, 9, .	6.0	10
46	In vitro and in vivo regulation of assimilatory nitrite reductase from Candida utilis. Archives of Microbiology, 1997, 168, 215-224.	2.2	7
47	Molecular Self-Assembly of Bile Acid-Phospholipids Controls the Delivery of Doxorubicin and Mice Survivability. Molecular Pharmaceutics, 2017, 14, 2649-2659.	4.6	7
48	A novel autophosphorylation mediated regulation of nitrite reductase inCandida utilis. FEBS Letters, 1997, 416, 51-56.	2.8	6
49	Tumour regression in a ligand inducible manner mediated by a chimeric tumour suppressor derived from p53. Oncogene, 2000, 19, 337-350.	5.9	6
50	CPT-11/bevacizumab for the treatment of refractory brain metastases in patients with HER2-neu-positive breast cancer. Oxford Medical Case Reports, 2015, 2015, 254-257.	0.4	6
51	Identification of colorectal cancers with defective DNA damage repair by immunohistochemical profiling of mismatch repair proteins, CDX2 and BRCA1. Molecular and Clinical Oncology, 2020, 13, 1-1.	1.0	5
52	Self-assembled supramolecular nanomicelles from a bile acidâ€“docetaxel conjugate are highly tolerable with improved therapeutic efficacy. Biomaterials Science, 2021, 9, 5626-5639.	5.4	4
53	CDX2 inducible microRNAs sustain colon cancer by targeting multiple DNA damage response pathway factors. Journal of Cell Science, 2021, 134, .	2.0	4
54	Bile Acid Tethered Docetaxelâ€Based Nanomicelles Mitigate Tumor Progression through Epigenetic Changes. Angewandte Chemie, 2021, 133, 5454-5459.	2.0	0