Zhigang Guo

List of Publications by Year
in descending order

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56	1,603	394421	315739
papers	citations	19 h-index	38 g-index

58	58	58	2040
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional regulation of FEN1 nuclease and its link to cancer. Nucleic Acids Research, 2011, 39, 781-794.	14.5	163
2	Methylation of FEN1 suppresses nearby phosphorylation and facilitates PCNA binding. Nature Chemical Biology, 2010, 6, 766-773.	8.0	110
3	FEN1 promotes tumor progression and confers cisplatin resistance in non-small-cell lung cancer. Molecular Oncology, 2017, 11, 640-654.	4.6	93
4	Sequential Posttranslational Modifications Program FEN1 Degradation during Cell-Cycle Progression. Molecular Cell, 2012, 47, 444-456.	9.7	89
5	Targeting DNA Flap Endonuclease 1 to Impede Breast Cancer Progression. EBioMedicine, 2016, 14, 32-43.	6.1	88
6	Wnt pathway is involved in 5-FU drug resistance of colorectal cancer cells. Experimental and Molecular Medicine, 2018, 50, 1-12.	7.7	84
7	MicroRNA-140 impedes DNA repair by targeting FEN1 and enhances chemotherapeutic response in breast cancer. Oncogene, 2020, 39, 234-247.	5.9	74
8	OGG1 is essential in oxidative stress induced DNA demethylation. Cellular Signalling, 2016, 28, 1163-1171.	3.6	72
9	JMJD1B Demethylates H4R3me2s and H3K9me2 to Facilitate Gene Expression for Development of Hematopoietic Stem and Progenitor Cells. Cell Reports, 2018, 23, 389-403.	6.4	71
10	Human DNA polymerase Â polymorphism, Arg137Gln, impairs its polymerase activity and interaction with PCNA and the cellular base excision repair capacity. Nucleic Acids Research, 2009, 37, 3431-3441.	14.5	53
11	Small-molecule inhibition of APE1 induces apoptosis, pyroptosis, and necroptosis in non-small cell lung cancer. Cell Death and Disease, 2021, 12, 503.	6.3	53
12	Regulation of histone arginine methylation/demethylation by methylase and demethylase (Review). Molecular Medicine Reports, 2019, 19, 3963-3971.	2.4	51
13	Obesity-induced overexpression of miRNA-24 regulates cholesterol uptake and lipid metabolism by targeting SR-B1. Gene, 2018, 668, 196-203.	2.2	43
14	Targeting the DNA damage response enhances CD70 CAR-T cell therapy for renal carcinoma by activating the cGAS-STING pathway. Journal of Hematology and Oncology, 2021, 14, 152.	17.0	37
15	Synergistic antitumor effect of combined paclitaxel with FEN1 inhibitor in cervical cancer cells. DNA Repair, 2018, 63, 1-9.	2.8	35
16	FEN1 mediates miRâ€200a methylation and promotes breast cancer cell growthviaMET and EGFR signaling. FASEB Journal, 2019, 33, 10717-10730.	0.5	35
17	FEN1 inhibitor increases sensitivity of radiotherapy in cervical cancer cells. Cancer Medicine, 2019, 8, 7774-7780.	2.8	27
18	Inhibition of Autophagy Alleviates Cadmium-Induced Mouse Spleen and Human B Cells Apoptosis. Toxicological Sciences, 2019, 170, 109-122.	3.1	27

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19	R152C DNA Pol Î² mutation impairs base excision repair and induces cellular transformation. Oncotarget, 2016, 7, 6902-6915.	1.8	21
20	METTL3 promotes homologous recombination repair and modulates chemotherapeutic response in breast cancer by regulating the EGF/RAD51 axis. ELife, 2022, 11, .	6.0	21
21	PRMT1 is critical to FEN1 expression and drug resistance in lung cancer cells. DNA Repair, 2020, 95, 102953.	2.8	20
22	Feedback inhibition of CREB signaling by p38 MAPK contributes to the negative regulation of steroidogenesis. Reproductive Biology and Endocrinology, 2017, 15, 19.	3.3	19
23	Arginine methylation of APE1 promotes its mitochondrial translocation to protect cells from oxidative damage. Free Radical Biology and Medicine, 2020, 158, 60-73.	2.9	19
24	Telomerase antagonist imetelstat increases radiation sensitivity in esophageal squamous cell carcinoma. Oncotarget, 2017, 8, 13600-13610.	1.8	18
25	SUMO-1 modification of FEN1 facilitates its interaction with Rad9â€“Rad1â€“Hus1 to counteract DNA replication stress. Journal of Molecular Cell Biology, 2018, 10, 460-474.	3.3	18
26	Mutation of DNA Polymerase Î² R137Q Results in Retarded Embryo Development Due to Impaired DNA Base Excision Repair in Mice. Scientific Reports, 2016, 6, 28614.	3.3	15
27	Srcâ€mediated phosphorylation of GAPDH regulates its nuclear localization and cellular response to DNA damage. FASEB Journal, 2020, 34, 10443-10461.	0.5	15
28	Dysregulation of microRNA-125a contributes to obesity-associated insulin resistance and dysregulates lipid metabolism in mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158640.	2.4	15
29	Asymmetrical arginine dimethylation of histone H4 by 8-oxog/OGG1/PRMT1 is essential for oxidative stress-induced transcription activation. Free Radical Biology and Medicine, 2021, 164, 175-186.	2.9	15
30	Prominent role of histone lysine demethylases in cancer epigenetics and therapy. Oncotarget, 2018, 9, 34429-34448.	1.8	15
31	EGFR-TKI-induced HSP70 degradation and BER suppression facilitate the occurrence of the EGFR T790â€M resistant mutation in lung cancer cells. Cancer Letters, 2018, 424, 84-96.	7.2	14
32	Small Molecule Inhibitors Targeting Key Proteins in the DNA Damage Response for Cancer Therapy. Current Medicinal Chemistry, 2021, 28, 963-985.	2.4	14
33	Symmetrical dimethylation of H4R3: A bridge linking DNA damage and repair upon oxidative stress. Redox Biology, 2020, 37, 101653.	9.0	13
34	DNA polymerase beta modulates cancer progression via enhancing CDH13 expression by promoter demethylation. Oncogene, 2020, 39, 5507-5519.	5.9	13
35	Twoâ€way crosstalk between BER and câ€NHEJ repair pathway is mediated by Polâ€Î² and Ku70. FASEB Journal, 2019, 33, 11668-11681.	0.5	12
36	Enhanced Activity of Variant DNA Polymerase Î² (D160G) Contributes to Cisplatin Therapy by Impeding the Efficiency of NER. Molecular Cancer Research, 2019, 17, 2077-2088.	3.4	12

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37	Inhibition of miR-1193 leads to synthetic lethality in glioblastoma multiforme cells deficient of DNA-PKcs. Cell Death and Disease, 2020, 11, 602.	6.3	12
38	Small molecule screening identified cepharanthine as an inhibitor of porcine reproductive and respiratory syndrome virus infection in vitro by suppressing integrins/ILK/RACK1/PKCÎ±/NF-Î²B signalling axis. Veterinary Microbiology, 2021, 255, 109016.	1.9	10
39	Interacting partners of FEN1 and its role in the development of anticancer therapeutics. Oncotarget, 2017, 8, 27593-27602.	1.8	10
40	NHERF1 and NHERF2 regulation of SR-B1 stability via ubiquitination and proteasome degradation. Biochemical and Biophysical Research Communications, 2017, 490, 1168-1175.	2.1	9
41	Inhibition of AKT Sensitizes Cancer Cells to Antineoplastic Drugs by Downregulating Flap Endonuclease 1. Molecular Cancer Therapeutics, 2019, 18, 2407-2420.	4.1	9
42	The Role of PARP Inhibitors in the Treatment of Prostate Cancer: Recent Advances in Clinical Trials. Biomolecules, 2021, 11, 722.	4.0	9
43	Genipin improves reproductive health problems caused by circadian disruption in male mice. Reproductive Biology and Endocrinology, 2020, 18, 122.	3.3	8
44	Impairment of Pol Î²-related DNA base-excision repair leads to ovarian aging in mice. Aging, 2020, 12, 25207-25228.	3.1	7
45	Selection and characterization of human PCSK9 antibody from phage displayed antibody library. Biochemical and Biophysical Research Communications, 2015, 463, 712-718.	2.1	6
46	Cell-Specific Polymorphism and Hormonal Regulation of DNA Methylation in Scavenger Receptor Class B, Type I. DNA and Cell Biology, 2016, 35, 280-289.	1.9	6
47	FEN1 inhibitor synergizes with low-dose camptothecin to induce increased cell killing via the mitochondria mediated apoptotic pathway. Gene Therapy, 2021, , .	4.5	4
48	The adaptor protein GIPC1 stabilizes the scavenger receptor SR-B1 and increases its cholesterol uptake. Journal of Biological Chemistry, 2021, 296, 100616.	3.4	4
49	Epidemiological investigation and genetic characterization of porcine astrovirus genotypes 2 and 5 in Yunnan province, China. Archives of Virology, 2022, 167, 355-366.	2.1	4
50	PolÎ² modulates the expression of type I interferon via STING pathway. Biochemical and Biophysical Research Communications, 2022, 621, 137-143.	2.1	4
51	Photo-affinity pulling down of low-affinity binding proteins mediated by post-translational modifications. Analytica Chimica Acta, 2020, 1107, 164-171.	5.4	3
52	Sp1-independent downregulation of NHEJ in response to BER deficiency. DNA Repair, 2020, 86, 102740.	2.8	2
53	Genetic Mechanism of Leukemia Relapse Following CD19 Chimeric Antigen Receptor T Cell Therapy. Cancer Biotherapy and Radiopharmaceuticals, 2021, , .	1.0	1
54	Single-Cell Quantitative Phenotyping via the Aptamer-Mounted Nest-PCR (Apt-nPCR). Analytical Chemistry, 2022, 94, 2383-2390.	6.5	1

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55	Lung cancer: progression of heat shock protein 70 in association with flap endonuclease 1 protein. 3 Biotech, 2021, 11, 141.	2.2	0
56	Human DNA2 is a mitochondrial nuclease/helicase for efficient processing of DNA replication and repair intermediates and defective in myopathy. FASEB Journal, 2010, 24, 646.1.	0.5	0