

Zhigang Guo

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,603
citations

394421

19
h-index

315739

38
g-index

58
all docs

58
docs citations

58
times ranked

2040
citing authors

#	ARTICLE	IF	CITATIONS
1	Epidemiological investigation and genetic characterization of porcine astrovirus genotypes 2 and 5 in Yunnan province, China. <i>Archives of Virology</i> , 2022, 167, 355-366.	2.1	4
2	Single-Cell Quantitative Phenotyping via the Aptamer-Mounted Nest-PCR (Apt-nPCR). <i>Analytical Chemistry</i> , 2022, 94, 2383-2390.	6.5	1
3	METTL3 promotes homologous recombination repair and modulates chemotherapeutic response in breast cancer by regulating the EGF/RAD51 axis. <i>ELife</i> , 2022, 11, .	6.0	21
4	Polí ² modulates the expression of type I interferon via STING pathway. <i>Biochemical and Biophysical Research Communications</i> , 2022, 621, 137-143.	2.1	4
5	FEN1 inhibitor synergizes with low-dose camptothecin to induce increased cell killing via the mitochondria mediated apoptotic pathway. <i>Gene Therapy</i> , 2021, , .	4.5	4
6	The adaptor protein GIPC1 stabilizes the scavenger receptor SR-B1 and increases its cholesterol uptake. <i>Journal of Biological Chemistry</i> , 2021, 296, 100616.	3.4	4
7	Asymmetrical arginine dimethylation of histone H4 by 8-oxog/OGG1/PRMT1 is essential for oxidative stress-induced transcription activation. <i>Free Radical Biology and Medicine</i> , 2021, 164, 175-186.	2.9	15
8	Lung cancer: progression of heat shock protein 70 in association with flap endonuclease 1 protein. <i>3 Biotech</i> , 2021, 11, 141.	2.2	0
9	Genetic Mechanism of Leukemia Relapse Following CD19 Chimeric Antigen Receptor T Cell Therapy. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2021, , .	1.0	1
10	Small molecule screening identified cepharanthine as an inhibitor of porcine reproductive and respiratory syndrome virus infection in vitro by suppressing integrins/ILK/RACK1/PKC±/NF-İ ² B signalling axis. <i>Veterinary Microbiology</i> , 2021, 255, 109016.	1.9	10
11	Small Molecule Inhibitors Targeting Key Proteins in the DNA Damage Response for Cancer Therapy. <i>Current Medicinal Chemistry</i> , 2021, 28, 963-985.	2.4	14
12	The Role of PARP Inhibitors in the Treatment of Prostate Cancer: Recent Advances in Clinical Trials. <i>Biomolecules</i> , 2021, 11, 722.	4.0	9
13	Small-molecule inhibition of APE1 induces apoptosis, pyroptosis, and necroptosis in non-small cell lung cancer. <i>Cell Death and Disease</i> , 2021, 12, 503.	6.3	53
14	Targeting the DNA damage response enhances CD70 CAR-T cell therapy for renal carcinoma by activating the cGAS-STING pathway. <i>Journal of Hematology and Oncology</i> , 2021, 14, 152.	17.0	37
15	MicroRNA-140 impedes DNA repair by targeting FEN1 and enhances chemotherapeutic response in breast cancer. <i>Oncogene</i> , 2020, 39, 234-247.	5.9	74
16	Sp1-independent downregulation of NHEJ in response to BER deficiency. <i>DNA Repair</i> , 2020, 86, 102740.	2.8	2
17	PRMT1 is critical to FEN1 expression and drug resistance in lung cancer cells. <i>DNA Repair</i> , 2020, 95, 102953.	2.8	20
18	Arginine methylation of APE1 promotes its mitochondrial translocation to protect cells from oxidative damage. <i>Free Radical Biology and Medicine</i> , 2020, 158, 60-73.	2.9	19

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19	Src-mediated phosphorylation of GAPDH regulates its nuclear localization and cellular response to DNA damage. <i>FASEB Journal</i> , 2020, 34, 10443-10461.	0.5	15
20	Symmetrical dimethylation of H4R3: A bridge linking DNA damage and repair upon oxidative stress. <i>Redox Biology</i> , 2020, 37, 101653.	9.0	13
21	Inhibition of miR-1193 leads to synthetic lethality in glioblastoma multiforme cells deficient of DNA-PKcs. <i>Cell Death and Disease</i> , 2020, 11, 602.	6.3	12
22	Genipin improves reproductive health problems caused by circadian disruption in male mice. <i>Reproductive Biology and Endocrinology</i> , 2020, 18, 122.	3.3	8
23	DNA polymerase beta modulates cancer progression via enhancing CDH13 expression by promoter demethylation. <i>Oncogene</i> , 2020, 39, 5507-5519.	5.9	13
24	Photo-affinity pulling down of low-affinity binding proteins mediated by post-translational modifications. <i>Analytica Chimica Acta</i> , 2020, 1107, 164-171.	5.4	3
25	Dysregulation of microRNA-125a contributes to obesity-associated insulin resistance and dysregulates lipid metabolism in mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158640.	2.4	15
26	Impairment of Pol δ -related DNA base-excision repair leads to ovarian aging in mice. <i>Aging</i> , 2020, 12, 25207-25228.	3.1	7
27	Two-way crosstalk between BER and NHEJ repair pathway is mediated by Pol δ and Ku70. <i>FASEB Journal</i> , 2019, 33, 11668-11681.	0.5	12
28	Enhanced Activity of Variant DNA Polymerase δ (D160G) Contributes to Cisplatin Therapy by Impeding the Efficiency of NER. <i>Molecular Cancer Research</i> , 2019, 17, 2077-2088.	3.4	12
29	FEN1 mediates miR-200a methylation and promotes breast cancer cell growth via MET and EGFR signaling. <i>FASEB Journal</i> , 2019, 33, 10717-10730.	0.5	35
30	FEN1 inhibitor increases sensitivity of radiotherapy in cervical cancer cells. <i>Cancer Medicine</i> , 2019, 8, 7774-7780.	2.8	27
31	Inhibition of AKT Sensitizes Cancer Cells to Antineoplastic Drugs by Downregulating Flap Endonuclease 1. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 2407-2420.	4.1	9
32	Regulation of histone arginine methylation/demethylation by methylase and demethylase (Review). <i>Molecular Medicine Reports</i> , 2019, 19, 3963-3971.	2.4	51
33	Inhibition of Autophagy Alleviates Cadmium-Induced Mouse Spleen and Human B Cells Apoptosis. <i>Toxicological Sciences</i> , 2019, 170, 109-122.	3.1	27
34	EGFR-TKI-induced HSP70 degradation and BER suppression facilitate the occurrence of the EGFR T790M resistant mutation in lung cancer cells. <i>Cancer Letters</i> , 2018, 424, 84-96.	7.2	14
35	JMJD1B Demethylates H4R3me2s and H3K9me2 to Facilitate Gene Expression for Development of Hematopoietic Stem and Progenitor Cells. <i>Cell Reports</i> , 2018, 23, 389-403.	6.4	71
36	Synergistic antitumor effect of combined paclitaxel with FEN1 inhibitor in cervical cancer cells. <i>DNA Repair</i> , 2018, 63, 1-9.	2.8	35

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37	SUMO-1 modification of FEN1 facilitates its interaction with Rad9 and Rad18-Hus1 to counteract DNA replication stress. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 460-474.	3.3	18
38	Obesity-induced overexpression of miRNA-24 regulates cholesterol uptake and lipid metabolism by targeting SR-B1. <i>Gene</i> , 2018, 668, 196-203.	2.2	43
39	Wnt pathway is involved in 5-FU drug resistance of colorectal cancer cells. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-12.	7.7	84
40	Prominent role of histone lysine demethylases in cancer epigenetics and therapy. <i>Oncotarget</i> , 2018, 9, 34429-34448.	1.8	15
41	FEN1 promotes tumor progression and confers cisplatin resistance in non-small-cell lung cancer. <i>Molecular Oncology</i> , 2017, 11, 640-654.	4.6	93
42	NHERF1 and NHERF2 regulation of SR-B1 stability via ubiquitination and proteasome degradation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 1168-1175.	2.1	9
43	Feedback inhibition of CREB signaling by p38 MAPK contributes to the negative regulation of steroidogenesis. <i>Reproductive Biology and Endocrinology</i> , 2017, 15, 19.	3.3	19
44	Telomerase antagonist imetelstat increases radiation sensitivity in esophageal squamous cell carcinoma. <i>Oncotarget</i> , 2017, 8, 13600-13610.	1.8	18
45	Interacting partners of FEN1 and its role in the development of anticancer therapeutics. <i>Oncotarget</i> , 2017, 8, 27593-27602.	1.8	10
46	Cell-Specific Polymorphism and Hormonal Regulation of DNA Methylation in Scavenger Receptor Class B, Type I. <i>DNA and Cell Biology</i> , 2016, 35, 280-289.	1.9	6
47	Mutation of DNA Polymerase β R137Q Results in Retarded Embryo Development Due to Impaired DNA Base Excision Repair in Mice. <i>Scientific Reports</i> , 2016, 6, 28614.	3.3	15
48	Targeting DNA Flap Endonuclease 1 to Impede Breast Cancer Progression. <i>EBioMedicine</i> , 2016, 14, 32-43.	6.1	88
49	OGG1 is essential in oxidative stress induced DNA demethylation. <i>Cellular Signalling</i> , 2016, 28, 1163-1171.	3.6	72
50	R152C DNA Pol β mutation impairs base excision repair and induces cellular transformation. <i>Oncotarget</i> , 2016, 7, 6902-6915.	1.8	21
51	Selection and characterization of human PCSK9 antibody from phage displayed antibody library. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 712-718.	2.1	6
52	Sequential Posttranslational Modifications Program FEN1 Degradation during Cell-Cycle Progression. <i>Molecular Cell</i> , 2012, 47, 444-456.	9.7	89
53	Functional regulation of FEN1 nuclease and its link to cancer. <i>Nucleic Acids Research</i> , 2011, 39, 781-794.	14.5	163
54	Methylation of FEN1 suppresses nearby phosphorylation and facilitates PCNA binding. <i>Nature Chemical Biology</i> , 2010, 6, 766-773.	8.0	110

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55	Human DNA2 is a mitochondrial nuclease/helicase for efficient processing of DNA replication and repair intermediates and defective in myopathy. <i>FASEB Journal</i> , 2010, 24, 646.1.	0.5	0
56	Human DNA polymerase β polymorphism, Arg137Gln, impairs its polymerase activity and interaction with PCNA and the cellular base excision repair capacity. <i>Nucleic Acids Research</i> , 2009, 37, 3431-3441.	14.5	53