Grigory L Dianov

List of Publications by Year
in descending order

57 papers	4,313 citations	101384 36 h-index	143772 57 g-index
59 all docs	59 docs citations	59 times ranked	5377 citing authors

#	Article	IF	Citations
1	Mammalian Base Excision Repair: the Forgotten Archangel. Nucleic Acids Research, 2013, 41, 3483-3490.	6.5	306
2	Reconstitution of the DNA base excisionâ€”repair pathway. Current Biology, 1994, 4, 1069-1076.	1.8	245
3	Inhibiting WEE1 Selectively Kills Histone H3K36me3-Deficient Cancers by dNTP Starvation. Cancer Cell, 2015, 28, 557-568.	7.7	244
4	Repair Pathways for Processing of 8-Oxoguanine in DNA by Mammalian Cell Extracts. Journal of Biological Chemistry, 1998, 273, 33811-33816.	1.6	220
5	Role of DNA Polymerase Î² in the Excision Step of Long Patch Mammalian Base Excision Repair. Journal of Biological Chemistry, 1999, 274, 13741-13743.	1.6	202
6	Repair of abasic sites in DNA. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2003, 531, 157-163.	0.4	170
7	Human DNA polymerase Î² initiates DNA synthesis during long-patch repair of reduced AP sites in DNA. EMBO Journal, 2001, 20, 1477-1482.	3.5	159
8	CHIP-Mediated Degradation and DNA Damage-Dependent Stabilization Regulate Base Excision Repair Proteins. Molecular Cell, 2008, 29, 477-487.	4.5	155
9	Poly ADP-ribose polymerase-1: An international molecule of mystery. DNA Repair, 2008, 7, 1077-1086.	1.3	148
10	Repair of uracil residues closely spaced on the opposite strands of plasmid DNA results in double-strand break and deletion formation. Molecular Genetics and Genomics, 1991, 225, 448-452.	2.4	146
11	ATM-Dependent Downregulation of USP7/HAUSP by PPM1G Activates p53 Response to DNA Damage. Molecular Cell, 2012, 45, 801-813.	4.5	145
12	Interaction of Human AP Endonuclease 1 with Flap Endonuclease 1 and Proliferating Cell Nuclear Antigen Involved in Long-Patch Base Excision Repair. Biochemistry, 2001, 40, 12639-12644.	1.2	136
13	XRCC1-DNA polymerase Â interaction is required for efficient base excision repair. Nucleic Acids Research, 2004, 32, 2550-2555.	6.5	120
14	Ubiquitin ligase ARF-BP1/Mule modulates base excision repair. EMBO Journal, 2009, 28, 3207-3215.	3.5	119
15	ATM prevents DSB formation by coordinating SSB repair and cell cycle progression. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3997-4002.	3.3	105
16	USP47 Is a Deubiquitylating Enzyme that Regulates Base Excision Repair by Controlling Steady-State Levels of DNA Polymerase Î². Molecular Cell, 2011, 41, 609-615.	4.5	102
17	A unified model for the G1/S cell cycle transition. Nucleic Acids Research, 2020, 48, 12483-12501.	6.5	96
18	Co-ordination of DNA single strand break repair. DNA Repair, 2007, 6, 454-460.	1.3	94

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19	Poly(ADP-ribose) polymerase-1 modulates DNA repair capacity and prevents formation of DNA double strand breaks. DNA Repair, 2008, 7, 932-940.	1.3	89
20	Poly(ADP-ribose) polymerase-1 protects excessive DNA strand breaks from deterioration during repair in human cell extracts. FEBS Journal, 2005, 272, 2012-2021.	2.2	85
21	Poly(ADP-ribose) polymerase in base excision repair: always engaged, but not essential for DNA damage processing.. Acta Biochimica Polonica, 2003, 50, 169-179.	0.3	78
22	RASSF1A uncouples Wnt from Hippo signalling and promotes YAP mediated differentiation via p73. Nature Communications, 2018, 9, 424.	5.8	72
23	Single Nucleotide Patch Base Excision Repair Is the Major Pathway for Removal of Thymine Glycol from DNA in Human Cell Extracts. Journal of Biological Chemistry, 2000, 275, 11809-11813.	1.6	70
24	Co-ordination of base excision repair and genome stability. DNA Repair, 2013, 12, 326-333.	1.3	68
25	Regulation of oxidative DNA damage repair by DNA polymerase Î» and MutYH by cross-talk of phosphorylation and ubiquitination. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 437-442.	3.3	67
26	DNA Damage and Repair in Schizophrenia and Autism: Implications for Cancer Comorbidity and Beyond. International Journal of Molecular Sciences, 2016, 17, 856.	1.8	66
27	Base excision repair fidelity in normal and cancer cells. Mutagenesis, 2006, 21, 173-178.	1.0	62
28	Ubiquitin ligase UBR3 regulates cellular levels of the essential DNA repair protein APE1 and is required for genome stability. Nucleic Acids Research, 2012, 40, 701-711.	6.5	53
29	DNA Polymerase Î² Promotes Recruitment of DNA Ligase IIIÎ±â^'XRCC1 to Sites of Base Excision Repair. Biochemistry, 2005, 44, 10613-10619.	1.2	49
30	Targeting base excision repair to improve cancer therapies. Molecular Aspects of Medicine, 2007, 28, 345-374.	2.7	46
31	Overexpression of DNA polymerase Â results in an increased rate of frameshift mutations during base excision repair. Mutagenesis, 2007, 22, 183-188.	1.0	43
32	Phosphorylation of PNKP by ATM prevents its proteasomal degradation and enhances resistance to oxidative stress. Nucleic Acids Research, 2012, 40, 11404-11415.	6.5	42
33	ATMIN is a transcriptional regulator of both lung morphogenesis and ciliogenesis. Development (Cambridge), 2014, 141, 3966-3977.	1.2	40
34	E2F1 proteolysis via <scp>SCF</scp> â€cyclin F underlies synthetic lethality between cyclin F loss and Chk1 inhibition. EMBO Journal, 2019, 38, e101443.	3.5	40
35	Cells deficient in base-excision repair reveal cancer hallmarks originating from adjustments to genetic instability. Nucleic Acids Research, 2015, 43, 3667-3679.	6.5	39
36	p53 coordinates base excision repair to prevent genomic instability. Nucleic Acids Research, 2016, 44, 3165-3175.	6.5	39

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37	USP7S-dependent inactivation of Mule regulates DNA damage signalling and repair. Nucleic Acids Research, 2013, 41, 1750-1756.	6.5	34
38	Monitoring base excision repair by in vitro assays. Toxicology, 2003, 193, 35-41.	2.0	32
39	AKT regulates NPM dependent ARF localization and p53mut stability in tumors. Oncotarget, 2014, 5, 6142-6167.	0.8	30
40	ARF induction in response to DNA strand breaks is regulated by PARP1. Nucleic Acids Research, 2014, 42, 2320-2329.	6.5	27
41	The NUCKS1-SKP2-p21/p27 axis controls S phase entry. Nature Communications, 2021, 12, 6959.	5.8	24
42	Interplay between base excision repair protein XRCC1 and ALDH2 predicts overall survival in lung and liver cancer patients. Cellular Oncology (Dordrecht), 2018, 41, 527-539.	2.1	23
43	Sp1 phosphorylation by ATM downregulates BER and promotes cell elimination in response to persistent DNA damage. Nucleic Acids Research, 2018, 46, 1834-1846.	6.5	22
44	Impaired oxidative stress response characterizes HUWE1-promoted X-linked intellectual disability. Scientific Reports, 2017, 7, 15050.	1.6	21
45	End-damage-specific proteins facilitate recruitment or stability of X-ray cross-complementing protein 1 at the sites of DNA single-strand break repair. FEBS Journal, 2005, 272, 5753-5763.	2.2	20
46	Persistent DNA strand breaks induce a CAF-like phenotype in normal fibroblasts. Oncotarget, 2018, 9, 13666-13681.	0.8	20
47	The emerging role of Mule and ARF in the regulation of base excision repair. FEBS Letters, 2011, 585, 2831-2835.	1.3	18
48	2.3 THz radiation: Absence of genotoxicity/mutagenicity in Escherichia coli and Salmonella typhimurium. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 803-804, 34-38.	0.9	15
49	Srcâ€mediated phosphorylation of GAPDH regulates its nuclear localization and cellular response to DNA damage. FASEB Journal, 2020, 34, 10443-10461.	0.2	15
50	Modulation of proteostasis counteracts oxidative stress and affects DNA base excision repair capacity in ATM-deficient cells. Nucleic Acids Research, 2017, 45, 10042-10055.	6.5	13
51	Twoâ€way crosstalk between BER and câ€NHEJ repair pathway is mediated by Polâ€Î² and Ku70. FASEB Journal, 2019, 33, 11668-11681.	0.2	12
52	DNA Base Excision Repair: The Achilles' Heel of Tumour Cells and their Microenvironment?. Current Pharmaceutical Design, 2017, 23, 4758-4772.	0.9	10
53	Base excision repair targets for cancer therapy. American Journal of Cancer Research, 2011, 1, 845-51.	1.4	8
54	Mild phenotype of knockouts of the major apurinic/apyrimidinic endonuclease APEX1 in a non-cancer human cell line. PLoS ONE, 2021, 16, e0257473.	1.1	4

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55	Sp1-independent downregulation of NHEJ in response to BER deficiency. DNA Repair, 2020, 86, 102740.	1.3	2
56	The role of Sp1 in the detection and elimination of cells with persistent DNA strand breaks. NAR Cancer, 2020, 2, zcaa004.	1.6	2
57	Boron-containing nucleosides as tools for boron-neutron capture therapy. American Journal of Cancer Research, 2021, 11, 4668-4682.	1.4	0