

Zachary D Nagel

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,761
citations

471509

17
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

3966
citing authors

#	ARTICLE	IF	CITATIONS
1	Printer center nanoparticles alter the DNA repair capacity of human bronchial airway epithelial cells. <i>NanoImpact</i> , 2022, 25, 100379.	4.5	6
2	Modelling Chlamydia and HPV co-infection in patient-derived ectocervix organoids reveals distinct cellular reprogramming. <i>Nature Communications</i> , 2022, 13, 1030.	12.8	32
3	Differential immunomodulatory effect of PARP inhibition in BRCA1 deficient and competent tumor cells. <i>Biochemical Pharmacology</i> , 2021, 184, 114359.	4.4	8
4	Fluorescence Sheds Light on DNA Damage, DNA Repair, and Mutations. <i>Trends in Cancer</i> , 2021, 7, 240-248.	7.4	16
5	High-Throughput Screening Platform for Nanoparticle-Mediated Alterations of DNA Repair Capacity. <i>ACS Nano</i> , 2021, 15, 4728-4746.	14.6	14
6	An effective human uracil-DNA glycosylase inhibitor targets the open pre-catalytic active site conformation. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 163, 143-159.	2.9	14
7	Large-scale preparation of fluorescence multiplex host cell reactivation (FM-HCR) reporters. <i>Nature Protocols</i> , 2021, 16, 4265-4298.	12.0	12
8	CometChip analysis of human primary lymphocytes enables quantification of inter-individual differences in the kinetics of repair of oxidative DNA damage. <i>Free Radical Biology and Medicine</i> , 2021, 174, 89-99.	2.9	10
9	Exploiting DNA repair defects in triple negative breast cancer to improve cell killing. <i>Therapeutic Advances in Medical Oncology</i> , 2020, 12, 175883592095835.	3.2	27
10	Interplay Between Air Travel, Genome Integrity, and COVID-19 Risk vis-a-vis Flight Crew. <i>Frontiers in Public Health</i> , 2020, 8, 590412.	2.7	5
11	EZH2 has a non-catalytic and PRC2-independent role in stabilizing DDB2 to promote nucleotide excision repair. <i>Oncogene</i> , 2020, 39, 4798-4813.	5.9	29
12	Defective base excision repair in the response to DNA damaging agents in triple negative breast cancer. <i>PLoS ONE</i> , 2019, 14, e0223725.	2.5	21
13	Adaptive mutability of colorectal cancers in response to targeted therapies. <i>Science</i> , 2019, 366, 1473-1480.	12.6	290
14	Sodium sulfide selectively induces oxidative stress, DNA damage, and mitochondrial dysfunction and radiosensitizes glioblastoma (GBM) cells. <i>Redox Biology</i> , 2019, 26, 101220.	9.0	32
15	Fluorescent reporter assays provide direct, accurate, quantitative measurements of MGMT status in human cells. <i>PLoS ONE</i> , 2019, 14, e0208341.	2.5	15
16	WRN helicase is a synthetic lethal target in microsatellite unstable cancers. <i>Nature</i> , 2019, 568, 551-556.	27.8	253
17	Selective small molecule PARC inhibitor causes replication fork stalling and cancer cell death. <i>Nature Communications</i> , 2019, 10, 5654.	12.8	75
18	The CHD6 chromatin remodeler is an oxidative DNA damage response factor. <i>Nature Communications</i> , 2019, 10, 241.	12.8	45

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19	ARID1A deficiency promotes mutability and potentiates therapeutic antitumor immunity unleashed by immune checkpoint blockade. <i>Nature Medicine</i> , 2018, 24, 556-562.	30.7	372
20	Nitric oxide induced S-nitrosation causes base excision repair imbalance. <i>DNA Repair</i> , 2018, 68, 25-33.	2.8	17
21	Towards precision prevention: Technologies for identifying healthy individuals with high risk of disease. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2017, 800-802, 14-28.	1.0	20
22	In vivo measurements of interindividual differences in DNA glycosylases and APE1 activities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10379-E10388.	7.1	42
23	DNA Repair Capacity in Multiple Pathways Predicts Chemoresistance in Glioblastoma Multiforme. <i>Cancer Research</i> , 2017, 77, 198-206.	0.9	96
24	Fluorogenic Real-Time Reporters of DNA Repair by MGMT, a Clinical Predictor of Antitumor Drug Response. <i>PLoS ONE</i> , 2016, 11, e0152684.	2.5	22
25	Minor Changes in Expression of the Mismatch Repair Protein MSH2 Exert a Major Impact on Glioblastoma Response to Temozolomide. <i>Cancer Research</i> , 2015, 75, 3127-3138.	0.9	96
26	Inter-individual variation in DNA repair capacity: A need for multi-pathway functional assays to promote translational DNA repair research. <i>DNA Repair</i> , 2014, 19, 199-213.	2.8	75
27	Multiplexed DNA repair assays for multiple lesions and multiple doses via transcription inhibition and transcriptional mutagenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1823-32.	7.1	114