

Priyamvada Rai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1351935/publications.pdf>

Version: 2024-02-01

34
papers

1,571
citations

361413

20
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

2448
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence-specific DNA Cleavage by Fe ²⁺ -mediated Fenton Reactions Has Possible Biological Implications. <i>Journal of Biological Chemistry</i> , 1999, 274, 962-971.	3.4	304
2	Continuous elimination of oxidized nucleotides is necessary to prevent rapid onset of cellular senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 169-174.	7.1	153
3	Enhanced elimination of oxidized guanine nucleotides inhibits oncogenic RAS-induced DNA damage and premature senescence. <i>Oncogene</i> , 2011, 30, 1489-1496.	5.9	112
4	Efforts toward Expansion of the Genetic Alphabet: Structure and Replication of Unnatural Base Pairs. <i>Journal of the American Chemical Society</i> , 2007, 129, 10466-10473.	13.7	90
5	MutT Homolog 1 (MTH1) maintains multiple KRAS-driven pro-malignant pathways. <i>Oncogene</i> , 2015, 34, 2586-2596.	5.9	73
6	Localization of Fe ²⁺ at an RTGR sequence within a DNA duplex explains preferential cleavage by Fe ²⁺ and H ₂ O ₂ . Edited by M. F. Summers. <i>Journal of Molecular Biology</i> , 2001, 312, 1089-1101.	4.2	67
7	Inverse Correlation of STAT3 and MEK Signaling Mediates Resistance to RAS Pathway Inhibition in Pancreatic Cancer. <i>Cancer Research</i> , 2018, 78, 6235-6246.	0.9	61
8	NF- κ B activation enhances cell death by antimetabolic drugs in human prostate cancer cells. <i>Molecular Cancer</i> , 2010, 9, 182.	19.2	53
9	Subcellular compartmentalization of NAD ⁺ and its role in cancer: A serene symphony of metabolic melodies. , 2019, 200, 27-41.		53
10	MTH1 as a Chemotherapeutic Target: The Elephant in the Room. <i>Cancers</i> , 2017, 9, 47.	3.7	52
11	Oxidation in the nucleotide pool, the DNA damage response and cellular senescence: Defective bricks build a defective house. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 703, 71-81.	1.7	50
12	Androgen Deprivation-Induced Senescence Promotes Outgrowth of Androgen-Refractory Prostate Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e68003.	2.5	49
13	Steady-state and time-resolved fluorescence studies indicate an unusual conformation of 2-aminopurine within ATAT and TATA duplex DNA sequences. <i>Nucleic Acids Research</i> , 2003, 31, 2323-2332.	14.5	43
14	Thioredoxin-1 protects against androgen receptor-induced redox vulnerability in castration-resistant prostate cancer. <i>Nature Communications</i> , 2017, 8, 1204.	12.8	40
15	MTH1 expression is required for effective transformation by oncogenic HRAS. <i>Oncotarget</i> , 2015, 6, 11519-11529.	1.8	38
16	Exposure of Barrett's and esophageal adenocarcinoma cells to bile acids activates EGFR-STAT3 signaling axis via induction of APE1. <i>Oncogene</i> , 2018, 37, 6011-6024.	5.9	38
17	Human Mut T homolog 1 (MTH1). <i>Small GTPases</i> , 2012, 3, 120-125.	1.6	37
18	The microRNA-23b/-27b cluster suppresses prostate cancer metastasis via Huntingtin-interacting protein 1-related. <i>Oncogene</i> , 2016, 35, 4752-4761.	5.9	36

#	ARTICLE	IF	CITATIONS
19	Preferential binding and structural distortion by Fe ²⁺ at RGGG-containing DNA sequences correlates with enhanced oxidative cleavage at such sequences. <i>Nucleic Acids Research</i> , 2005, 33, 497-510.	14.5	34
20	Mcl-1 protects prostate cancer cells from cell death mediated by chemotherapy-induced DNA damage. <i>Oncoscience</i> , 2015, 2, 703-715.	2.2	34
21	Suppression of thioredoxin-1 induces premature senescence in normal human fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2010, 392, 363-368.	2.1	28
22	Mechanisms of MTH1 inhibition-induced DNA strand breaks: The slippery slope from the oxidized nucleotide pool to genotoxic damage. <i>DNA Repair</i> , 2019, 77, 18-26.	2.8	21
23	Inhibition of WNT signaling attenuates self-renewal of SHH-subgroup medulloblastoma. <i>Oncogene</i> , 2017, 36, 6306-6314.	5.9	19
24	Increased MTH1-specific 8-oxodGTPase activity is a hallmark of cancer in colon, lung and pancreatic tissue. <i>DNA Repair</i> , 2019, 83, 102644.	2.8	18
25	MTH1 counteracts oncogenic oxidative stress. <i>Oncoscience</i> , 2015, 2, 785-786.	2.2	16
26	NMNAT promotes glioma growth through regulating post-translational modifications of P53 to inhibit apoptosis. <i>ELife</i> , 2021, 10, .	6.0	13
27	The Existence of MTH1-independent 8-oxodGTPase Activity in Cancer Cells as a Compensatory Mechanism against On-target Effects of MTH1 Inhibitors. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 432-446.	4.1	11
28	Creation and validation of a ligation-independent cloning (LIC) retroviral vector for stable gene transduction in mammalian cells. <i>BMC Biotechnology</i> , 2012, 12, 3.	3.3	9
29	Arsenic Attenuates GLI Signaling, Increasing or Decreasing its Transcriptional Program in a Context-Dependent Manner. <i>Molecular Pharmacology</i> , 2016, 89, 226-232.	2.3	8
30	OGG1 co-inhibition antagonizes the tumor-inhibitory effects of targeting MTH1. <i>Redox Biology</i> , 2021, 40, 101848.	9.0	6
31	¹ H NMR studies distinguish the water soluble metabolomic profiles of untransformed and RAS-transformed cells. <i>PeerJ</i> , 2016, 4, e2104.	2.0	5
32	<i>Cell and Molecular Aging</i> , 2011, , 5-37.		0
33	Abstract B14: Human Mut T homolog 1 (MTH1) as a novel facilitator of KRAS-driven lung cancer. , 2014, , .		0
34	<i>Cellular and Molecular Aging</i> , 2017, , 39-52.		0