

Dindial Ramotar

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,519
citations

257450

24
h-index

315739

38
g-index

52
all docs

52
docs citations

52
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	A Screening Method to Identify Essential Yeast Genes for Responses Towards Spermine. <i>Methods in Molecular Biology</i> , 2022, 2377, 363-369.	0.9	0
2	A simple protocol to isolate a single human cell PRDX1 knockout generated by CRISPR-Cas9 system. <i>STAR Protocols</i> , 2022, 3, 101216.	1.2	2
3	The histone H2B Arg95 residue links the pheromone response pathway to rapamycin-induced G1 arrest in yeast. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
4	<i>C. elegans</i> ribosomal protein S3 protects against H ₂ O ₂ -induced DNA damage and suppresses spontaneous mutations in yeast. <i>DNA Repair</i> , 2022, 117, 103359.	2.8	1
5	Dead Cas9â€“sgRNA Complex Shelters Vulnerable DNA Restriction Enzyme Sites from Cleavage for Cloning Applications. <i>CRISPR Journal</i> , 2021, 4, 275-289.	2.9	7
6	The base excision repair process: comparison between higher and lower eukaryotes. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7943-7965.	5.4	19
7	CRISPR FokI Dead Cas9 System: Principles and Applications in Genome Engineering. <i>Cells</i> , 2020, 9, 2518.	4.1	21
8	The Base Excision Repair Pathway in the Nematode <i>Caenorhabditis elegans</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 598860.	3.7	14
9	The status surrounding chloroquine and other drugs as potential anti-infective agents for COVID-19. <i>Expert Review of Respiratory Medicine</i> , 2020, 14, 863-864.	2.5	1
10	The human organic cation transporter OCT1 and its role as a target for drug responses. <i>Drug Metabolism Reviews</i> , 2019, 51, 389-407.	3.6	18
11	Yeast Lacking the PP2A Phosphatase Regulatory Subunit Rts1 Sensitizes rad51 Mutants to Specific DNA Damaging Agents. <i>Frontiers in Genetics</i> , 2019, 10, 1117.	2.3	3
12	CUX1 stimulates APE1 enzymatic activity and increases the resistance of glioblastoma cells to the mono-alkylating agent temozolomide. <i>Neuro-Oncology</i> , 2018, 20, 484-493.	1.2	32
13	Uncharacterized ORF HUR1 influences the efficiency of non-homologous end-joining repair in <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 2018, 639, 128-136.	2.2	19
14	UNG-1 and APN-1 are the major enzymes to efficiently repair 5-hydroxymethyluracil DNA lesions in <i>C. elegans</i> . <i>Scientific Reports</i> , 2018, 8, 6860.	3.3	14
15	Identification of essential yeast genes involved in polyamine resistance. <i>Gene</i> , 2018, 677, 361-369.	2.2	4
16	Structural modeling of human organic cation transporters. <i>Computational Biology and Chemistry</i> , 2017, 68, 153-163.	2.3	44
17	Imaging the Pharynx to Measure the Uptake of Doxorubicin in <i>Caenorhabditis elegans</i> . <i>Bio-protocol</i> , 2017, 7, e2291.	0.4	0
18	Uptake Assays to Monitor Anthracyclines Entry into Mammalian Cells. <i>Bio-protocol</i> , 2017, 7, e2555.	0.4	1

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19	The human organic cation transporter OCT1 mediates high affinity uptake of the anticancer drug daunorubicin. <i>Scientific Reports</i> , 2016, 6, 20508.	3.3	40
20	Peroxiredoxin 1 interacts with and blocks the redox factor APE1 from activating interleukin-8 expression. <i>Scientific Reports</i> , 2016, 6, 29389.	3.3	40
21	Insights into a novel nuclear function for Fascin in the regulation of the amino-acid transporter SLC3A2. <i>Scientific Reports</i> , 2016, 6, 36699.	3.3	22
22	A novel approach using <i>C. elegans</i> DNA damage-induced apoptosis to characterize the dynamics of uptake transporters for therapeutic drug discoveries. <i>Scientific Reports</i> , 2016, 6, 36026.	3.3	20
23	Complementation of the Yeast Model System Reveals that <i>Caenorhabditis elegans</i> OCT-1 Is a Functional Transporter of Anthracyclines. <i>PLoS ONE</i> , 2015, 10, e0133182.	2.5	12
24	The long N-terminus of the <i>C. elegans</i> DNA repair enzyme APN-1 targets the protein to the nucleus of a heterologous system. <i>Gene</i> , 2014, 553, 151-157.	2.2	2
25	Functional variants of human APE1 rescue the DNA repair defects of the yeast AP endonuclease/ β -diesterase-deficient strain. <i>DNA Repair</i> , 2014, 22, 53-66.	2.8	5
26	Agp2, a Member of the Yeast Amino Acid Permease Family, Positively Regulates Polyamine Transport at the Transcriptional Level. <i>PLoS ONE</i> , 2013, 8, e65717.	2.5	29
27	Functional characterization of the <i>Caenorhabditis elegans</i> DNA repair enzyme APN-1. <i>DNA Repair</i> , 2012, 11, 811-822.	2.8	17
28	The Peptidyl Prolyl Isomerase Rrd1 Regulates the Elongation of RNA Polymerase II during Transcriptional Stresses. <i>PLoS ONE</i> , 2011, 6, e23159.	2.5	20
29	The endonuclease IV family of apurinic/aprimidinic endonucleases. <i>Mutation Research - Reviews in Mutation Research</i> , 2010, 705, 217-227.	5.5	47
30	<i>Caenorhabditis elegans</i> APN-1 plays a vital role in maintaining genome stability. <i>DNA Repair</i> , 2010, 9, 169-176.	2.8	23
31	Genetic interactions between HNT3/Aprataxin and RAD27/FEN1 suggest parallel pathways for $5'$ end processing during base excision repair. <i>DNA Repair</i> , 2010, 9, 690-699.	2.8	23
32	Internalization of a thiazole-modified peptide in <i>Sinorhizobium meliloti</i> occurs by BacA-dependent and -independent mechanisms. <i>Microbiology (United Kingdom)</i> , 2010, 156, 2702-2713.	1.8	31
33	The Human Carnitine Transporter SLC22A16 Mediates High Affinity Uptake of the Anticancer Polyamine Analogue Bleomycin-A5. <i>Journal of Biological Chemistry</i> , 2010, 285, 6275-6284.	3.4	89
34	Human Glyceraldehyde-3-phosphate Dehydrogenase Plays a Direct Role in Reactivating Oxidized Forms of the DNA Repair Enzyme APE1. <i>Journal of Biological Chemistry</i> , 2008, 283, 30632-30641.	3.4	122
35	<i>Saccharomyces cerevisiae</i> Ogg1 prevents poly(GT) tract instability in the mitochondrial genome. <i>DNA Repair</i> , 2006, 5, 235-242.	2.8	11
36	The $3'$ Exonuclease of Apn1 Provides an Alternative Pathway To Repair 7,8-Dihydro-8-Oxodeoxyguanosine in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2005, 25, 6380-6390.	2.3	70

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37	AGP2 Encodes the Major Permease for High Affinity Polyamine Import in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 24267-24276.	3.4	71
38	Characterization of <i>Caenorhabditis elegans</i> Exonuclease-3 and Evidence That a Mg ²⁺ -Dependent Variant Exhibits a Distinct Mode of Action on Damaged DNA. <i>Biochemistry</i> , 2005, 44, 12835-12848.	2.5	24
39	Identification of two apurinic/apyrimidinic endonucleases from <i>Caenorhabditis elegans</i> by cross-species complementation. <i>DNA Repair</i> , 2005, 4, 655-670.	2.8	25
40	A Genome-Wide Screen in <i>Saccharomyces cerevisiae</i> Reveals Altered Transport As a Mechanism of Resistance to the Anticancer Drug Bleomycin. <i>Cancer Research</i> , 2004, 64, 1102-1109.	0.9	108
41	Characterization of a transport and detoxification pathway for the antitumor drug bleomycin in <i>Saccharomyces cerevisiae</i> . <i>Biochemical Journal</i> , 2004, 384, 47-58.	3.7	27
42	±-Anomeric Deoxynucleotides, Anoxic Products of Ionizing Radiation, Are Substrates for the Endonuclease IV-Type AP Endonucleases. <i>Biochemistry</i> , 2004, 43, 15210-15216.	2.5	55
43	Protective mechanisms against the antitumor agent bleomycin: lessons from <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 2003, 43, 213-224.	1.7	58
44	Characterization of Two Independent Amino Acid Substitutions that Disrupt the DNA Repair Functions of the Yeast Apn1. <i>Biochemistry</i> , 2003, 42, 6436-6445.	2.5	24
45	The Role of Yeast DNA 3'-Phosphatase Tpp1 and Rad1/Rad10 Endonuclease in Processing Spontaneous and Induced Base Lesions. <i>Journal of Biological Chemistry</i> , 2003, 278, 31434-31443.	3.4	38
46	Embryonic extracts derived from the nematode <i>Caenorhabditis elegans</i> remove uracil from DNA by the sequential action of uracil-DNA glycosylase and AP (apurinic/apyrimidinic) endonuclease. <i>Biochemical Journal</i> , 2002, 365, 547-553.	3.7	31
47	Pir1p Mediates Translocation of the Yeast Apn1p Endonuclease into the Mitochondria To Maintain Genomic Stability. <i>Molecular and Cellular Biology</i> , 2001, 21, 1647-1655.	2.3	91
48	The Transcriptional Activator Imp2p Maintains Ion Homeostasis in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 1998, 149, 893-901.	2.9	15
49	The apurinic/apyrimidinic endonuclease IV family of DNA repair enzymes. <i>Biochemistry and Cell Biology</i> , 1997, 75, 327-336.	2.0	49
50	Normal processing of AP sites in Apn1-deficient <i>Saccharomyces cerevisiae</i> is restored by <i>Escherichia coli</i> genes expressing either exonuclease III or endonuclease III. <i>Molecular Microbiology</i> , 1997, 24, 711-721.	2.5	30
51	The <i>Caenorhabditis elegans</i> gene CeAPN1 encodes a homolog of <i>Escherichia coli</i> and yeast apurinic/apyrimidinic endonuclease. <i>Gene</i> , 1996, 179, 291-293.	2.2	27
52	Functional Expression of <i>Escherichia coli</i> Endonuclease IV in Apurinic Endonuclease-deficient Yeast. <i>Journal of Biological Chemistry</i> , 1996, 271, 7368-7374.	3.4	20