

Jun Nakamura

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,902
citations

279487

23
h-index

264894

42
g-index

45
all docs

45
docs citations

45
times ranked

2800
citing authors

#	ARTICLE	IF	CITATIONS
1	Endogenous versus Exogenous DNA Adducts: Their Role in Carcinogenesis, Epidemiology, and Risk Assessment. <i>Toxicological Sciences</i> , 2011, 120, S130-S145.	1.4	282
2	The formation and biological significance of N7-guanine adducts. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 678, 76-94.	0.9	179
3	Variant ALDH2 is associated with accelerated progression of bone marrow failure in Japanese Fanconi anemia patients. <i>Blood</i> , 2013, 122, 3206-3209.	0.6	156
4	Cells Deficient in the FANC/BRCA Pathway Are Hypersensitive to Plasma Levels of Formaldehyde. <i>Cancer Research</i> , 2007, 67, 11117-11122.	0.4	154
5	Micromolar concentrations of hydrogen peroxide induce oxidative DNA lesions more efficiently than millimolar concentrations in mammalian cells. <i>Nucleic Acids Research</i> , 2003, 31, 1790-1795.	6.5	97
6	Oxidative stress at low levels can induce clustered DNA lesions leading to NHEJ mediated mutations. <i>Oncotarget</i> , 2016, 7, 25377-25390.	0.8	96
7	Aerobic Bioremediation of PAH Contaminated Soil Results in Increased Genotoxicity and Developmental Toxicity. <i>Environmental Science & Technology</i> , 2015, 49, 13889-13898.	4.6	87
8	The endogenous exposome. <i>DNA Repair</i> , 2014, 19, 3-13.	1.3	81
9	Biochemical events during initiation of rat hepatocarcinogenesis. <i>Carcinogenesis</i> , 1994, 15, 1451-1458.	1.3	64
10	Quantitation of intracellular NAD(P)H can monitor an imbalance of DNA single strand break repair in base excision repair deficient cells in real time. <i>Nucleic Acids Research</i> , 2003, 31, 104e-104.	6.5	60
11	Screening Nonionic Surfactants for Enhanced Biodegradation of Polycyclic Aromatic Hydrocarbons Remaining in Soil After Conventional Biological Treatment. <i>Environmental Science & Technology</i> , 2016, 50, 3838-3845.	4.6	58
12	Evaluating the Effects of Bioremediation on Genotoxicity of Polycyclic Aromatic Hydrocarbon-Contaminated Soil Using Genetically Engineered, Higher Eukaryotic Cell Lines. <i>Environmental Science & Technology</i> , 2012, 46, 4607-4613.	4.6	57
13	The POLD3 subunit of DNA polymerase δ can promote translesion synthesis independently of DNA polymerase η . <i>Nucleic Acids Research</i> , 2015, 43, 1671-1683.	6.5	51
14	DNA-protein crosslink formation by endogenous aldehydes and AP sites. <i>DNA Repair</i> , 2020, 88, 102806.	1.3	38
15	SWI/SNF complexes are required for full activation of the DNA-damage response. <i>Oncotarget</i> , 2015, 6, 732-745.	0.8	37
16	Quantitation of DNA and hemoglobin adducts and apurinic/apyrimidinic sites in tissues of F344 rats exposed to propylene oxide by inhalation. <i>Carcinogenesis</i> , 2000, 21, 2011-2018.	1.3	34
17	Nontarget Analysis Reveals a Bacterial Metabolite of Pyrene Implicated in the Genotoxicity of Contaminated Soil after Bioremediation. <i>Environmental Science & Technology</i> , 2017, 51, 7091-7100.	4.6	34
18	ALC1/CHD1L, a chromatin-remodeling enzyme, is required for efficient base excision repair. <i>PLoS ONE</i> , 2017, 12, e0188320.	1.1	34

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19	Molecular dosimetry and repair of N(2),3-ethenoguanine in rats exposed to vinyl chloride. <i>Cancer Research</i> , 2002, 62, 5189-95.	0.4	31
20	Bioavailability of (Geno)toxic Contaminants in Polycyclic Aromatic Hydrocarbon-Contaminated Soil Before and After Biological Treatment. <i>Environmental Engineering Science</i> , 2014, 31, 176-182.	0.8	28
21	Accumulation of true single strand breaks and AP sites in base excision repair deficient cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 694, 65-71.	0.4	26
22	Convenient, multi-well plate-based DNA damage response analysis using DT40 mutants is applicable to a high-throughput genotoxicity assay with characterization of modes of action. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 153-160.	0.9	26
23	The failure of two major formaldehyde catabolism enzymes (ADH5 and ALDH2) leads to partial synthetic lethality in C57BL/6 mice. <i>Genes and Environment</i> , 2020, 42, 21.	0.9	25
24	Molecular Dosimetry of Endogenous and Exogenous O ⁶ -Methyl-dG and N7-Methyl-G Adducts Following Low Dose [<i>D</i> ³]-Methylnitrosourea Exposures in Cultured Human Cells. <i>Chemical Research in Toxicology</i> , 2014, 27, 480-482.	1.7	24
25	Evidence that endogenous formaldehyde produces immunogenic and atherogenic adduct epitopes. <i>Scientific Reports</i> , 2017, 7, 10787.	1.6	23
26	Improving Polycyclic Aromatic Hydrocarbon Biodegradation in Contaminated Soil Through Low-Level Surfactant Addition After Conventional Bioremediation. <i>Environmental Engineering Science</i> , 2016, 33, 659-670.	0.8	21
27	Effects of Low Protein Intake on the Development of the Remaining Kidney in Subtotally Nephrectomized Immature Rats: Apoptosis and Epidermal Growth Factor. <i>Journal of Veterinary Medical Science</i> , 2007, 69, 247-252.	0.3	12
28	Detection of PIGO-Deficient Cells Using Proaerolysin: A Valuable Tool to Investigate Mechanisms of Mutagenesis in the DT40 Cell System. <i>PLoS ONE</i> , 2012, 7, e33563.	1.1	10
29	Editor's Highlight: High-Throughput Functional Genomics Identifies Modulators of TCE Metabolite Genotoxicity and Candidate Susceptibility Genes. <i>Toxicological Sciences</i> , 2017, 160, 111-120.	1.4	10
30	New insights into immunomodulation via overexpressing lipoic acid synthase as a therapeutic potential to reduce atherosclerosis. <i>Vascular Pharmacology</i> , 2020, 133-134, 106777.	1.0	10
31	A purified MAA-based ELISA is a useful tool for determining anti-MAA antibody titer with high sensitivity. <i>PLoS ONE</i> , 2017, 12, e0172172.	1.1	9
32	Compensatory Renal Growth in Uninephrectomized Immature Rats: Proliferative Activity and Epidermal Growth Factor. <i>Journal of Veterinary Medical Science</i> , 2010, 72, 975-980.	0.3	8
33	Perinatal development of the rat kidney: Apoptosis and epidermal growth factor. <i>Congenital Anomalies (discontinued)</i> , 2003, 43, 161-167.	0.3	7
34	Homologous Recombination and Translesion DNA Synthesis Play Critical Roles on Tolerating DNA Damage Caused by Trace Levels of Hexavalent Chromium. <i>PLoS ONE</i> , 2016, 11, e0167503.	1.1	7
35	Usefulness of hexamethylenetetramine in combination with chemotherapy using free and pegylated liposomal doxorubicin in vivo, referring to the effect on quiescent cells. <i>Oncology Reports</i> , 2009, 21, 1307-12.	1.2	6
36	An unexpected butadiene diolepoxide-mediated genotoxicity implies alternative mechanism for 1,3-butadiene carcinogenicity. <i>Chemosphere</i> , 2021, 266, 129149.	4.2	5

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37	Acid-specific formaldehyde donor is a potential, dual targeting cancer chemotherapeutic/chemo preventive drug for FANC/BRCA-mutant cancer. <i>Genes and Environment</i> , 2019, 41, 23.	0.9	4
38	Effects of maternal uninephrectomy on the development of fetal rat kidney with special reference to the proliferative activity and epidermal growth factor (EGF).. <i>Congenital Anomalies (discontinued)</i> , 2000, 40, 275-281.	0.3	3
39	Effects of maternal uninephrectomy on the development of fetal rat kidney: apoptosis and the expression of oncogenes. <i>Congenital Anomalies (discontinued)</i> , 2006, 46, 43-47.	0.3	3
40	Incorporation of metabolic activation potentiates cyclophosphamide-induced DNA damage response in isogenic DT40 mutant cells. <i>Mutagenesis</i> , 2015, 30, 821-828.	1.0	2
41	Poor recognition of O6-isopropyl dG by MGMT triggers double strand break-mediated cell death and micronucleus induction in FANC-deficient cells. <i>Oncotarget</i> , 2016, 7, 59795-59808.	0.8	2
42	Potential Doxorubicin-Mediated Dual-Targeting Chemotherapy in FANC/BRCA-Deficient Tumors via Modulation of Cellular Formaldehyde Concentration. <i>Chemical Research in Toxicology</i> , 2020, 33, 2659-2667.	1.7	1
43	Methods for Measuring DNA Adducts and Abasic Sites I : Isolation, Purification, and Analysis of DNA Adducts in Intact DNA. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2002, 12, Unit3.8.	1.1	0
44	The Role of Endogenous Versus Exogenous DNA Damage in Risk Assessment. , 2016, , 83-102.		0
45	Development of a novel PIC-A gene mutation assay based on a GPI-anchored fluorescent protein sensor. <i>Genes and Environment</i> , 2019, 41, 21.	0.9	0