Jun Nakamura

List of Publications by Year
in descending order

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	An unexpected butadiene diolepoxide-mediated genotoxicity implies alternative mechanism for 1,3-butadiene carcinogenicity. Chemosphere, 2021, 266, 129149.	4.2	5
2	New insights into immunomodulation via overexpressing lipoic acid synthase as a therapeutic potential to reduce atherosclerosis. Vascular Pharmacology, 2020, 133-134, 106777.	1.0	10
3	The failure of two major formaldehyde catabolism enzymes (ADH5 and ALDH2) leads to partial synthetic lethality in C57BL/6 mice. Genes and Environment, 2020, 42, 21.	0.9	25
4	Potential Doxorubicin-Mediated Dual-Targeting Chemotherapy in FANC/BRCA-Deficient Tumors via Modulation of Cellular Formaldehyde Concentration. Chemical Research in Toxicology, 2020, 33, 2659-2667.	1.7	1
5	DNA-protein crosslink formation by endogenous aldehydes and AP sites. DNA Repair, 2020, 88, 102806.	1.3	38
6	Development of a novel PIG-A gene mutation assay based on a GPI-anchored fluorescent protein sensor. Genes and Environment, 2019, 41, 21.	0.9	0
7	Acid-specific formaldehyde donor is a potential, dual targeting cancer chemotherapeutic/chemo preventive drug for FANC/BRCA-mutant cancer. Genes and Environment, 2019, 41, 23.	0.9	4
8	Nontarget Analysis Reveals a Bacterial Metabolite of Pyrene Implicated in the Genotoxicity of Contaminated Soil after Bioremediation. Environmental Science & Technology, 2017, 51, 7091-7100.	4.6	34
9	Editorâ€™s Highlight: High-Throughput Functional Genomics Identifies Modulators of TCE Metabolite Genotoxicity and Candidate Susceptibility Genes. Toxicological Sciences, 2017, 160, 111-120.	1.4	10
10	Evidence that endogenous formaldehyde produces immunogenic and atherogenic adduct epitopes. Scientific Reports, 2017, 7, 10787.	1.6	23
11	A purified MAA-based ELISA is a useful tool for determining anti-MAA antibody titer with high sensitivity. PLoS ONE, 2017, 12, e0172172.	1.1	9
12	ALC1/CHD1L, a chromatin-remodeling enzyme, is required for efficient base excision repair. PLoS ONE, 2017, 12, e0188320.	1.1	34
13	Screening Nonionic Surfactants for Enhanced Biodegradation of Polycyclic Aromatic Hydrocarbons Remaining in Soil After Conventional Biological Treatment. Environmental Science & Technology, 2016, 50, 3838-3845.	4.6	58
14	Improving Polycyclic Aromatic Hydrocarbon Biodegradation in Contaminated Soil Through Low-Level Surfactant Addition After Conventional Bioremediation. Environmental Engineering Science, 2016, 33, 659-670.	0.8	21
15	The Role of Endogenous Versus Exogenous DNA Damage in Risk Assessment. , 2016, , 83-102.		0
16	Homologous Recombination and Translesion DNA Synthesis Play Critical Roles on Tolerating DNA Damage Caused by Trace Levels of Hexavalent Chromium. PLoS ONE, 2016, 11, e0167503.	1.1	7
17	Poor recognition of O6-isopropyl dG by MGMT triggers double strand break-mediated cell death and micronucleus induction in FANC-deficient cells. Oncotarget, 2016, 7, 59795-59808.	0.8	2
18	Oxidative stress at low levels can induce clustered DNA lesions leading to NHEJ mediated mutations. Oncotarget, 2016, 7, 25377-25390.	0.8	96

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19	Aerobic Bioremediation of PAH Contaminated Soil Results in Increased Genotoxicity and Developmental Toxicity. Environmental Science & Technology, 2015, 49, 13889-13898.	4.6	87
20	Incorporation of metabolic activation potentiates cyclophosphamide-induced DNA damage response in isogenic DT40 mutant cells. Mutagenesis, 2015, 30, 821-828.	1.0	2
21	The POLD3 subunit of DNA polymerase Î´ can promote translesion synthesis independently of DNA polymerase Î¶. Nucleic Acids Research, 2015, 43, 1671-1683.	6.5	51
22	SWI/SNF complexes are required for full activation of the DNA-damage response. Oncotarget, 2015, 6, 732-745.	0.8	37
23	Molecular Dosimetry of Endogenous and Exogenous O⁶-Methyl-dG and N7-Methyl-G Adducts Following Low Dose [D₃]-Methylnitrosourea Exposures in Cultured Human Cells. Chemical Research in Toxicology, 2014, 27, 480-482.	1.7	24
24	Bioavailability of (Geno)toxic Contaminants in Polycyclic Aromatic Hydrocarbonâ€“Contaminated Soil Before and After Biological Treatment. Environmental Engineering Science, 2014, 31, 176-182.	0.8	28
25	The endogenous exposome. DNA Repair, 2014, 19, 3-13.	1.3	81
26	Variant ALDH2 is associated with accelerated progression of bone marrow failure in Japanese Fanconi anemia patients. Blood, 2013, 122, 3206-3209.	0.6	156
27	Evaluating the Effects of Bioremediation on Genotoxicity of Polycyclic Aromatic Hydrocarbon-Contaminated Soil Using Genetically Engineered, Higher Eukaryotic Cell Lines. Environmental Science & Technology, 2012, 46, 4607-4613.	4.6	57
28	Detection of PIGO-Deficient Cells Using Proaerolysin: A Valuable Tool to Investigate Mechanisms of Mutagenesis in the DT40 Cell System. PLoS ONE, 2012, 7, e33563.	1.1	10
29	Convenient, multiâ€well plateâ€based DNA damage response analysis using DT40 mutants is applicable to a highâ€throughput genotoxicity assay with characterization of modes of action. Environmental and Molecular Mutagenesis, 2011, 52, 153-160.	0.9	26
30	Endogenous versus Exogenous DNA Adducts: Their Role in Carcinogenesis, Epidemiology, and Risk Assessment. Toxicological Sciences, 2011, 120, S130-S145.	1.4	282
31	Compensatory Renal Growth in Uninephrectomized Immature Rats: Proliferative Activity and Epidermal Growth Factor. Journal of Veterinary Medical Science, 2010, 72, 975-980.	0.3	8
32	Accumulation of true single strand breaks and AP sites in base excision repair deficient cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 694, 65-71.	0.4	26
33	Usefulness of hexamethylenetetramine in combination with chemotherapy using free and pegylated liposomal doxorubicin in vivo, referring to the effect on quiescent cells. Oncology Reports, 2009, 21, 1307-12.	1.2	6
34	The formation and biological significance of N7-guanine adducts. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 678, 76-94.	0.9	179
35	Cells Deficient in the FANC/BRCA Pathway Are Hypersensitive to Plasma Levels of Formaldehyde. Cancer Research, 2007, 67, 11117-11122.	0.4	154
36	Effects of Low Protein Intake on the Development of the Remaining Kidney in Subtotally Nephrectomized Immature Rats: Apoptosis and Epidermal Growth Factor. Journal of Veterinary Medical Science, 2007, 69, 247-252.	0.3	12

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37	Effects of maternal uninephrectomy on the development of fetal rat kidney: apoptosis and the expression of oncogenes. Congenital Anomalies (discontinued), 2006, 46, 43-47.	0.3	3
38	Perinatal development of the rat kidney: Apoptosis and epidermal growth factor. Congenital Anomalies (discontinued), 2003, 43, 161-167.	0.3	7
39	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. Nucleic Acids Research, 2003, 31, 104e-104.	6.5	60
40	Micromolar concentrations of hydrogen peroxide induce oxidative DNA lesions more efficiently than millimolar concentrations in mammalian cells. Nucleic Acids Research, 2003, 31, 1790-1795.	6.5	97
41	Methods for Measuring DNA Adducts and Abasic Sites I : Isolation, Purification, and Analysis of DNA Adducts in Intact DNA. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2002, 12, Unit3.8.	1.1	0
42	Molecular dosimetry and repair of N(2),3-ethenoguanine in rats exposed to vinyl chloride. Cancer Research, 2002, 62, 5189-95.	0.4	31
43	Effects of maternal uninephrectomy on the development of fetal rat kidney with special reference to the proliferative activity and epidermal growth factor (EGF).. Congenital Anomalies (discontinued), 2000, 40, 275-281.	0.3	3
44	Quantitation of DNA and hemoglobin adducts and apurinic/apyrimidinic sites in tissues of F344 rats exposed to propylene oxide by inhalation. Carcinogenesis, 2000, 21, 2011-2018.	1.3	34
45	Biochemical events during initiation of rat hepatocarcinogenesis. Carcinogenesis, 1994, 15, 1451-1458.	1.3	64