Daniel Gackowski

List of Publications by Year in descending order

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		94269	106150
86	4,413	37	65
papers	citations	h-index	g-index

92	92	92	5035
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An IDH-independent mechanism of DNA hypermethylation upon VHL inactivation in cancer. Epigenetics, 2022, 17, 894-905.	1.3	1
2	Diagnostic and Prognostic Power of Active DNA Demethylation Pathway Intermediates in Acute Myelogenous Leukemia and Myelodysplastic Syndromes. Cells, 2022, 11, 888.	1.8	3
3	Global hypomethylation pattern in systemic sclerosis: An application for absolute quantification of epigenetic DNA modification products by 2D-UPLC-MS/MS. Clinical Immunology, 2022, 239, 108997.	1.4	6
4	Normalization of metabolic data to total thymine content and its application to determination of 2-hydroxyglutarate. Analytical Biochemistry, 2021, 618, 114129.	1.1	3
5	LINE-1 transcription in round spermatids is associated with accretion of 5-carboxylcytosine in their open reading frames. Communications Biology, 2021, 4, 691.	2.0	8
6	Analysis of 5-Hydroxymethyluracil Levels Using Flow Cytometry. Methods in Molecular Biology, 2021, 2198, 269-284.	0.4	0
7	Quantification of DNA Modifications Using Two-Dimensional Ultraperformance Liquid Chromatography Tandem Mass Spectrometry (2D-UPLC-MS/MS). Methods in Molecular Biology, 2021, 2198, 91-108.	0.4	8
8	Preparation of Internal Standards for 2D-UPLC-MS/MS Quantification of Noncanonical DNA Bases. Methods in Molecular Biology, 2021, 2198, 123-136.	0.4	0
9	Mass Spectrometry-Based Analysis of DNA Modifications: Potential Applications in Basic Research and Clinic. Methods in Molecular Biology, 2021, 2198, 27-35.	0.4	2
10	The Membrane Electrical Potential and Intracellular pH as Factors Influencing Intracellular Ascorbate Concentration and Their Role in Cancer Treatment. Cells, 2021, 10, 2964.	1.8	2
11	The urinary excretion of epigenetically modified DNA as a marker of pediatric ALL status and chemotherapy response. Scientific Reports, 2021, 11, 21345.	1.6	3
12	N6-methyladenosine regulates the stability of RNA:DNA hybrids in human cells. Nature Genetics, 2020, 52, 48-55.	9.4	147
13	Targeted DNA oxidation by LSD1â€“SMAD2/3 primes TGF-Î²1/ EMT genes for activation or repression. Nucleic Acids Research, 2020, 48, 8943-8958.	6.5	23
14	Context dependent effects of ascorbic acid treatment in TET2 mutant myeloid neoplasia. Communications Biology, 2020, 3, 493.	2.0	30
15	5-formylcytosine and 5-hydroxymethyluracil as surrogate markers of TET2 and SF3B1 mutations in myelodysplastic syndrome, respectively. Haematologica, 2020, 105, e213-e215.	1.7	2
16	Mass spectrometry reveals the presence of specific set of epigenetic DNA modifications in the Norway spruce genome. Scientific Reports, 2019, 9, 19314.	1.6	9
17	TET2 Loss Accelerates Leukemogenesis By Disrupting Mismatch Repair Proteins. Blood, 2019, 134, 1200-1200.	0.6	0
18	Oxidation Products of 5-Methylcytosine are Decreased in Senescent Cells and Tissues of Progeroid Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1003-1009.	1.7	8

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19	Endogenously generated DNA nucleobase modifications source, and significance as possible biomarkers of malignant transformation risk, and role in anticancer therapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2018, 1869, 29-41.	3.3	12
20	Characteristic profiles of DNA epigenetic modifications in colon cancer and its predisposing conditionsâ€"benign adenomas and inflammatory bowel disease. Clinical Epigenetics, 2018, 10, 72.	1.8	21
21	In vivo evidence of ascorbate involvement in the generation of epigenetic DNA modifications in leukocytes from patients with colorectal carcinoma, benign adenoma and inflammatory bowel disease. Journal of Translational Medicine, 2018, 16, 204.	1.8	28
22	ERCC1-deficient cells and mice are hypersensitive to lipid peroxidation. Free Radical Biology and Medicine, 2018, 124, 79-96.	1.3	13
23	Systemowa rÃ³wnowaga antyoksyacyjna u pacjentÃ³w bez klinicznej manifestacji miaÅ¼dÅ¼ycy. Acta Angiologica, 2018, 24, 1-8.	0.2	0
24	Modulation of TET2 Activity By Ascorbic Acid and Factors Affecting Lysine Acetylation. Blood, 2018, 132, 4346-4346.	0.6	1
25	Profiles of a broad spectrum of epigenetic DNA modifications in normal and malignant human cell lines: Proliferation rate is not the major factor responsible for the 5-hydroxymethyl-2â€²-deoxycytidine level in cultured cancerous cell lines. PLoS ONE, 2017, 12, e0188856.	1.1	13
26	Systemic oxidoreductive balance and vascular function in individuals without clinical manifestation of atherosclerosis. Archives of Medical Sciences Atherosclerotic Diseases, 2017, 2, 37-45.	0.5	8
27	Urinary Measurement of Epigenetic DNA Modifications: A Nonâ€Invasive Assessment of the Wholeâ€Body Epigenetic Status in Healthy Subjects and Colorectal Cancer Patients. ChemistryOpen, 2016, 5, 550-553.	0.9	12
28	Nucleotide excision repair of oxidised genomic DNA is not a source of urinary 8-oxo-7,8-dihydro-2â€²-deoxyguanosine. Free Radical Biology and Medicine, 2016, 99, 385-391.	1.3	26
29	Vitamin C enhances substantially formation of 5-hydroxymethyluracil in cellular DNA. Free Radical Biology and Medicine, 2016, 101, 378-383.	1.3	22
30	Accurate, Direct, and High-Throughput Analyses of a Broad Spectrum of Endogenously Generated DNA Base Modifications with Isotope-Dilution Two-Dimensional Ultraperformance Liquid Chromatography with Tandem Mass Spectrometry: Possible Clinical Implication. Analytical Chemistry, 2016, 88, 12128-12136.	3.2	54
31	Enigmatic 5-hydroxymethyluracil: Oxidatively modified base, epigenetic mark or both?. Mutation Research - Reviews in Mutation Research, 2016, 767, 59-66.	2.4	67
32	Tissue-Specific Differences in DNA Modifications (5-Hydroxymethylcytosine, 5-Formylcytosine,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 e0144859.	1.1	35
33	Urinary 5-hydroxymethyluracil and 8-oxo-7,8-dihydroguanine as potential biomarkers in patients with colorectal cancer. Biomarkers, 2015, 20, 287-291.	0.9	34
34	Epigenetic modifications and NF-ÎºB pathway activity in Cu,Zn-SOD-deficient mice. Molecular and Cellular Biochemistry, 2014, 397, 187-194.	1.4	3
35	8â€Oxoâ€7,8â€dihydroguanine and uric acid as efficient predictors of survival in colon cancer patients. International Journal of Cancer, 2014, 134, 376-383.	2.3	55
36	Are 8-oxoguanine (8-oxoGua) and 5-hydroxymethyluracil (5-hmUra) oxidatively damaged DNA bases or transcription (epigenetic) marks?. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 764-765, 58-63.	0.9	41

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37	Viral infection-oxidative stress/DNA damage-aberrant DNA methylation: separate or interrelated events responsible for genetic instability and childhood ALL development?. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1846, 226-231.	3.3	8
38	Comparison of the Absolute Level of Epigenetic Marks 5-Methylcytosine, 5-Hydroxymethylcytosine, and 5-Hydroxymethyluracil Between Human Leukocytes and Sperm1. Biology of Reproduction, 2014, 91, 55.	1.2	18
39	Does morphology of carotid plaque depend on patient's oxidative stress?. Clinical Biochemistry, 2013, 46, 1030-1035.	0.8	8
40	Human and Methodological Sources of Variability in the Measurement of Urinary 8-Oxo-7,8-dihydro-2â€²-deoxyguanosine. Antioxidants and Redox Signaling, 2013, 18, 2377-2391.	2.5	130
41	Comparison of Oxidative Stress/DNA Damage in Semen and Blood of Fertile and Infertile Men. PLoS ONE, 2013, 8, e68490.	1.1	69
42	Plasma micronutrients, trace elements, and breast cancer in BRCA1 mutation carriers: an exploratory study. Cancer Causes and Control, 2012, 23, 1065-1074.	0.8	26
43	8-Oxoguanine incision activity is impaired in lung tissues of NSCLC patients with the polymorphism of OGG1 and XRCC1 genes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 709-710, 21-31.	0.4	42
44	Aberrant repair of ethenoâ€“DNA adducts in leukocytes and colon tissue of colon cancer patients. Free Radical Biology and Medicine, 2010, 49, 1064-1071.	1.3	30
45	Oxidatively Damaged DNA/Oxidative Stress in Children with Celiac Disease. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 1960-1965.	1.1	33
46	Toward consensus in the analysis of urinary 8â€oxoâ€7,8â€dihydroâ€2â€²â€deoxyguanosine as a noninvasive biomarker of oxidative stress. FASEB Journal, 2010, 24, 1249-1260.	0.2	126
47	Oxidative stress and 8-oxoguanine repair are enhanced in colon adenoma and carcinoma patients. Mutagenesis, 2010, 25, 463-471.	1.0	113
48	Cu,Zn-superoxide dismutase deficiency in mice leads to organ-specific increase in oxidatively damaged DNA and NF-ÎºB1 protein activity.. Acta Biochimica Polonica, 2010, 57, .	0.3	7
49	Cu,Zn-superoxide dismutase deficiency in mice leads to organ-specific increase in oxidatively damaged DNA and NF-ÎºB1 protein activity. Acta Biochimica Polonica, 2010, 57, 577-83.	0.3	5
50	Selenium Supplementation Reduced Oxidative DNA Damage in Adnexectomized BRCA1 Mutations Carriers. Cancer Epidemiology Biomarkers and Prevention, 2009, 18, 2923-2928.	1.1	44
51	Elevated level of 8â€oxoâ€7,8â€dihydroâ€2â€²â€deoxyguanosine in leukocytes of BRCA1 mutation carriers compared to healthy controls. International Journal of Cancer, 2009, 125, 2209-2213.	2.3	32
52	Interlaboratory comparison of methodologies for the measurement of urinary 8-oxo-7,8-dihydro-2â€²-deoxyguanosine. Biomarkers, 2009, 14, 103-110.	0.9	37
53	Small field radiotherapy of head and neck cancer patients is responsible for oxidatively damaged DNA/oxidative stress on the level of a whole organism. International Journal of Cancer, 2008, 123, 1964-1967.	2.3	28
54	The relationship between 8-oxo-7,8-dihydro-2â€²-deoxyguanosine level and extent of cytosine methylation in leukocytes DNA of healthy subjects and in patients with colon adenomas and carcinomas. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 640, 170-173.	0.4	54

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55	Oxidative stress and oxidative DNA damage is characteristic for mixed Alzheimer disease/vascular dementia. Journal of the Neurological Sciences, 2008, 266, 57-62.	0.3	106
56	Dynamics of Oxidative Damage at Early Stages of Estrogen-dependant Carcinogenesis. Advances in Experimental Medicine and Biology, 2008, 617, 609-615.	0.8	2
57	Urinary excretion rates of 8-oxoGua and 8-oxodG and antioxidant vitamins level as a measure of oxidative status in healthy, full-term newborns. Free Radical Research, 2007, 41, 997-1004.	1.5	23
58	Higher Leukocyte 8-Oxo-7,8-Dihydro-2'-Deoxyguanosine and Lower Plasma Ascorbate in Aging Humans?. Antioxidants and Redox Signaling, 2007, 9, 143-150.	2.5	73
59	Effects of basal level of antioxidants on oxidative DNA damage in humans. European Journal of Nutrition, 2007, 46, 174-180.	1.8	54
60	Dynamics of estrogen-induced oxidative stress.. Acta Biochimica Polonica, 2007, 54, 289-295.	0.3	4
61	Oxidative damage to DNA and antioxidant status in aging and age-related diseases.. Acta Biochimica Polonica, 2007, 54, 11-26.	0.3	74
62	Oxidative damage to DNA and antioxidant status in aging and age-related diseases. Acta Biochimica Polonica, 2007, 54, 11-26.	0.3	25
63	Severe oxidatively damaged DNA after cisplatin treatment of cancer patients. International Journal of Cancer, 2006, 119, 2228-2230.	2.3	50
64	Helicobacter pylori infection is associated with oxidatively damaged DNA in human leukocytes and decreased level of urinary 8-oxo-7,8-dihydroguanine. Carcinogenesis, 2006, 27, 405-408.	1.3	45
65	Evidence for attenuated cellular 8-oxo-7,8-dihydro-2â€²-deoxyguanosine removal in cancer patients. Biological Chemistry, 2006, 387, 393-400.	1.2	17
66	Urinary Measurement of 8-OxodG, 8-OxoGua, and 5HMUra: A Noninvasive Assessment of Oxidative Damage to DNA. Antioxidants and Redox Signaling, 2006, 8, 1011-1019.	2.5	55
67	DNA repair is responsible for the presence of oxidatively damaged DNA lesions in urine. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 574, 58-66.	0.4	174
68	Oxidative DNA damage and antioxidant vitamin level: Comparison among lung cancer patients, healthy smokers and nonsmokers. International Journal of Cancer, 2005, 114, 153-156.	2.3	47
69	Contribution of hMTH1 to the Maintenance of 8-Oxoguanine Levels in Lung DNA of Non-Small-Cell Lung Cancer Patients. Journal of the National Cancer Institute, 2005, 97, 384-395.	3.0	85
70	Establishing the background level of base oxidation in human lymphocyte DNA: results of an interlaboratory validation study. FASEB Journal, 2005, 19, 82-84.	0.2	404
71	Substantial decrease of urinary 8-oxo-7,8-dihydroguanine, a product of the base excision repair pathway, in DNA glycosylase defective mice. International Journal of Biochemistry and Cell Biology, 2005, 37, 1331-1336.	1.2	41
72	Diet is Not Responsible for the Presence of Several Oxidatively Damaged DNA Lesions in Mouse Urine. Free Radical Research, 2004, 38, 1201-1205.	1.5	35

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73	Measurement of DNA oxidation in human cells by chromatographic and enzymic methods. Free Radical Biology and Medicine, 2003, 34, 1089-1099.	1.3	268
74	Oxidative DNA damage in cancer patients: a cause or a consequence of the disease development?. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2003, 531, 177-190.	0.4	106
75	High Concentrations of Excised Oxidative DNA Lesions in Human Cerebrospinal Fluid. Clinical Chemistry, 2003, 49, 1218-1221.	1.5	14
76	Decreased repair activities of 1,N(6)-ethenoadenine and 3,N(4)-ethenocytosine in lung adenocarcinoma patients. Cancer Research, 2003, 63, 4351-7.	0.4	49
77	Products of oxidative DNA damage and repair as possible biomarkers of susceptibility to lung cancer. Cancer Research, 2003, 63, 4899-902.	0.4	136
78	Oxidative stress in humans: validation of biomarkers of DNA damage. Carcinogenesis, 2002, 23, 1441-1446.	1.3	109
79	Comparative analysis of baseline 8-oxo-7,8-dihydroguanine in mammalian cell DNA, by different methods in different laboratories: an approach to consensus. Carcinogenesis, 2002, 23, 2129-2133.	1.3	202
80	Supplementation with antioxidant vitamins prevents oxidative modification of DNA in lymphocytes of HIV-infected patients. Free Radical Biology and Medicine, 2002, 32, 414-420.	1.3	82
81	Oxidative DNA damage: assessment of the role in carcinogenesis, atherosclerosis, and acquired immunodeficiency syndrome1 1This article is part of a series of reviews on â€œOxidative DNA Damage and Repair.â€•The full list of papers may be found on the homepage of the journal.. Free Radical Biology and Medicine, 2002, 33, 192-200.	1.3	258
82	Persistent oxidative stress in colorectal carcinoma patients. International Journal of Cancer, 2002, 101, 395-397.	2.3	105
83	The level of 8-oxo-7,8-dihydro-2â€²-deoxyguanosine is positively correlated with the size of the labile iron pool in human lymphocytes. Journal of Biological Inorganic Chemistry, 2002, 7, 548-550.	1.1	35
84	8-Oxo-7,8-dihydroguanine and 8-oxo-7,8-dihydro-2â€²-deoxyguanosine levels in human urine do not depend on diet. Free Radical Research, 2001, 35, 825-832.	1.5	95
85	Further evidence that oxidative stress may be a risk factor responsible for the development of atherosclerosis. Free Radical Biology and Medicine, 2001, 31, 542-547.	1.3	73
86	Endogenous oxidative DNA base modifications analysed with repair enzymes and GC/MS technique. Nucleic Acids Research, 2000, 28, 16e-16.	6.5	52