Daniel Gackowski

List of Publications by Year
in descending order

86	4,413	94381 37	106281 65
papers	citations	h-index	g-index

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

#	Article	IF	Citations
1	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
2	Measurement of DNA oxidation in human cells by chromatographic and enzymic methods. Free Radical Biology and Medicine, 2003, 34, 1089-1099.	1.3	268
3	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
4	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
5	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
6	N6-methyladenosine regulates the stability of RNA:DNA hybrids in human cells. Nature Genetics, 2020, 52, 48-55.	9.4	147
7	Products of oxidative DNA damage and repair as possible biomarkers of susceptibility to lung cancer. Cancer Research, 2003, 63, 4899-902.	0.4	136
8	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
9	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
10	Oxidative stress and 8-oxoguanine repair are enhanced in colon adenoma and carcinoma patients. Mutagenesis, 2010, 25, 463-471.	1.0	113
11	Oxidative stress in humans: validation of biomarkers of DNA damage. Carcinogenesis, 2002, 23, 1441-1446.	1.3	109
12	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
13	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
14	Persistent oxidative stress in colorectal carcinoma patients. International Journal of Cancer, 2002, 101, 395-397.	2.3	105
15	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
16	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
17	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
18	Oxidative damage to DNA and antioxidant status in aging and age-related diseases.. Acta Biochimica Polonica, 2007, 54, 11-26.	0.3	74

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19	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
20	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
21	Comparison of Oxidative Stress/DNA Damage in Semen and Blood of Fertile and Infertile Men. PLoS ONE, 2013, 8, e68490.	1.1	69
22	Enigmatic 5-hydroxymethyluracil: Oxidatively modified base, epigenetic mark or both?. Mutation Research - Reviews in Mutation Research, 2016, 767, 59-66.	2.4	67
23	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
24	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
25	Effects of basal level of antioxidants on oxidative DNA damage in humans. European Journal of Nutrition, 2007, 46, 174-180.	1.8	54
26	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
27	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
28	Endogenous oxidative DNA base modifications analysed with repair enzymes and GC/MS technique. Nucleic Acids Research, 2000, 28, 16e-16.	6.5	52
29	Severe oxidatively damaged DNA after cisplatin treatment of cancer patients. International Journal of Cancer, 2006, 119, 2228-2230.	2.3	50
30	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
31	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
32	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
33	Selenium Supplementation Reduced Oxidative DNA Damage in Adnexectomized BRCA1 Mutations Carriers. Cancer Epidemiology Biomarkers and Prevention, 2009, 18, 2923-2928.	1.1	44
34	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
35	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
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	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
38	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
39	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
40	Tissue-Specific Differences in DNA Modifications (5-Hydroxymethylcytosine, 5-Formylcytosine,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 e0144859.	1.1	35
41	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
42	Oxidatively Damaged DNA/Oxidative Stress in Children with Celiac Disease. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 1960-1965.	1.1	33
43	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
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	Context dependent effects of ascorbic acid treatment in TET2 mutant myeloid neoplasia. Communications Biology, 2020, 3, 493.	2.0	30
46	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
47	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
48	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
49	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
50	Oxidative damage to DNA and antioxidant status in aging and age-related diseases. Acta Biochimica Polonica, 2007, 54, 11-26.	0.3	25
51	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
52	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
53	Vitamin C enhances substantially formation of 5-hydroxymethyluracil in cellular DNA. Free Radical Biology and Medicine, 2016, 101, 378-383.	1.3	22
54	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

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55	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
56	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
57	High Concentrations of Excised Oxidative DNA Lesions in Human Cerebrospinal Fluid. Clinical Chemistry, 2003, 49, 1218-1221.	1.5	14
58	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
59	ERCC1-deficient cells and mice are hypersensitive to lipid peroxidation. Free Radical Biology and Medicine, 2018, 124, 79-96.	1.3	13
60	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
61	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
62	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
63	Does morphology of carotid plaque depend on patient's oxidative stress?. Clinical Biochemistry, 2013, 46, 1030-1035.	0.8	8
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	Dynamics of estrogen-induced oxidative stress.. Acta Biochimica Polonica, 2007, 54, 289-295.	0.3	4

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73	Epigenetic modifications and NF-Î¹B pathway activity in Cu,Zn-SOD-deficient mice. Molecular and Cellular Biochemistry, 2014, 397, 187-194.	1.4	3
74	Normalization of metabolic data to total thymine content and its application to determination of 2-hydroxyglutarate. Analytical Biochemistry, 2021, 618, 114129.	1.1	3
75	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
76	Diagnostic and Prognostic Power of Active DNA Demethylation Pathway Intermediates in Acute Myelogenous Leukemia and Myelodysplastic Syndromes. Cells, 2022, 11, 888.	1.8	3
77	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
78	Dynamics of Oxidative Damage at Early Stages of Estrogen-dependant Carcinogenesis. Advances in Experimental Medicine and Biology, 2008, 617, 609-615.	0.8	2
79	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
80	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
81	An IDH-independent mechanism of DNA hypermethylation upon VHL inactivation in cancer. Epigenetics, 2022, 17, 894-905.	1.3	1
82	Modulation of TET2 Activity By Ascorbic Acid and Factors Affecting Lysine Acetylation. Blood, 2018, 132, 4346-4346.	0.6	1
83	Systemowa rÃ³wnowaga antyoksyacyjna u pacjentÃ³w bez klinicznej manifestacji miaÅ¼dÅ¼ycy. Acta Angiologica, 2018, 24, 1-8.	0.2	0
84	TET2 Loss Accelerates Leukemogenesis By Disrupting Mismatch Repair Proteins. Blood, 2019, 134, 1200-1200.	0.6	0
85	Analysis of 5-Hydroxymethyluracil Levels Using Flow Cytometry. Methods in Molecular Biology, 2021, 2198, 269-284.	0.4	0
86	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