Andrew R Collins

List of Publications by Year
in descending order

239 papers	21,089 citations	9254 74 h-index	10724 138 g-index
248 all docs	248 docs citations	248 times ranked	19985 citing authors

#	Article	IF	Citations
1	Short- and long-term reproducibility of the COMET assay for measuring DNA damage biomarkers in frozen blood samples of the EPIC-Heidelberg cohort. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, 874-875, 503442.	0.9	5
2	A pooled analysis of molecular epidemiological studies on modulation of DNA repair by host factors. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, 876-877, 503447.	0.9	2
3	In vivo Mammalian Alkaline Comet Assay: Method Adapted for Genotoxicity Assessment of Nanomaterials. Frontiers in Toxicology, 2022, 4, .	1.6	3
4	The enzyme-modified comet assay: Past, present and future. Food and Chemical Toxicology, 2021, 147, 111865.	1.8	46
5	The hCOMET project: International database comparison of results with the comet assay in human biomonitoring. Baseline frequency of DNA damage and effect of main confounders. Mutation Research - Reviews in Mutation Research, 2021, 787, 108371.	2.4	45
6	Collection and storage of human white blood cells for analysis of DNA damage and repair activity using the comet assay in molecular epidemiology studies. Mutagenesis, 2021, 36, 193-212.	1.0	20
7	The micronucleus cytome assay â€“ A fast tool for DNA damage screening in human conjunctival epithelial cells. Ocular Surface, 2021, 20, 195-198.	2.2	1
8	DNA damage in circulating leukocytes measured with the comet assay may predict the risk of death. Scientific Reports, 2021, 11, 16793.	1.6	36
9	Application of the comet assay for the evaluation of DNA damage in mature sperm. Mutation Research - Reviews in Mutation Research, 2021, 788, 108398.	2.4	12
10	Measurement of DNA damage with the comet assay in high-prevalence diseases: current status and future directions. Mutagenesis, 2020, 35, 5-18.	1.0	41
11	Application of the comet assay in human biomonitoring: An hCOMET perspective. Mutation Research - Reviews in Mutation Research, 2020, 783, 108288.	2.4	95
12	Guidance for publishing comet assay results. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 854-855, 503146.	0.9	4
13	An optimized comet-based in vitro DNA repair assay to assess base and nucleotide excision repair activity. Nature Protocols, 2020, 15, 3844-3878.	5.5	33
14	Minimum Information for Reporting on the Comet Assay (MIRCA): recommendations for describing comet assay procedures and results. Nature Protocols, 2020, 15, 3817-3826.	5.5	189
15	The role of the enzyme-modified comet assay in in vivo studies. Toxicology Letters, 2020, 327, 58-68.	0.4	8
16	Potassium bromate as positive assay control for the Fpg-modified comet assay. Mutagenesis, 2020, 35, 341-348.	1.0	32
17	Linkage disequilibrium maps to guide contig ordering for genome assembly. Bioinformatics, 2019, 35, 541-545.	1.8	5
18	Sequencing era methods for identifying signatures of selection in the genome. Briefings in Bioinformatics, 2019, 20, 1997-2008.	3.2	18

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19	Introduction to hCOMET special issue, â€˜Comet assay in vitroâ€™. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 845, 403071.	0.9	1
20	Environmental Assessment and Evaluation of Oxidative Stress and Genotoxicity Biomarkers Related to Chronic Occupational Exposure to Benzene. International Journal of Environmental Research and Public Health, 2019, 16, 2240.	1.2	22
21	Linkage disequilibrium maps for European and African populations constructed from whole genome sequence data. Scientific Data, 2019, 6, 208.	2.4	11
22	Gene-dense autosomal chromosomes show evidence for increased selection. Heredity, 2019, 123, 774-783.	1.2	3
23	The comet assay in human biomonitoring: Technical and epidemiological perspectives. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 843, 1-2.	0.9	12
24	Technical recommendations to perform the alkaline standard and enzyme-modified comet assay in human biomonitoring studies. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 843, 24-32.	0.9	58
25	The comet assay in animal models: From bugs to whales â€“ (Part 2 Vertebrates). Mutation Research - Reviews in Mutation Research, 2019, 781, 130-164.	2.4	46
26	Heterogeneity in the extent of linkage disequilibrium among exonic, intronic, non-coding RNA and intergenic chromosome regions. European Journal of Human Genetics, 2019, 27, 1436-1444.	1.4	2
27	DNA repair as a human biomonitoring tool: Comet assay approaches. Mutation Research - Reviews in Mutation Research, 2019, 781, 71-87.	2.4	40
28	Methamphetamine (â€œcrystal methâ€) causes induction of DNA damage and chromosomal aberrations in human derived cells. Food and Chemical Toxicology, 2019, 128, 1-7.	1.8	17
29	Isolation of leukocytes from frozen buffy coat for comet assay analysis of DNA damage. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 843, 18-23.	0.9	9
30	The comet assay in animal models: From bugs to whales â€“ (Part 1 Invertebrates). Mutation Research - Reviews in Mutation Research, 2019, 779, 82-113.	2.4	66
31	Clinical significance of DNA methylation in chronic lymphocytic leukemia patients: results from 3 UK clinical trials. Blood Advances, 2019, 3, 2474-2481.	2.5	25
32	Consumption of a dark roast coffee blend reduces DNA damage in humans: results from a 4-week randomised controlled study. European Journal of Nutrition, 2019, 58, 3199-3206.	1.8	8
33	Gene-specific metrics to facilitate identification of disease genes for molecular diagnosis in patient genomes: a systematic review. Briefings in Functional Genomics, 2019, 18, 23-29.	1.3	6
34	Understanding the disease genome: gene essentiality and the interplay of selection, recombination and mutation. Briefings in Bioinformatics, 2019, 20, 267-273.	3.2	11
35	Coffee and oxidative stress: a human intervention study. European Journal of Nutrition, 2018, 57, 533-544.	1.8	32
36	Genome size and sensitivity to DNA damage by X-raysâ€”plant comets tell the story. Mutagenesis, 2018, 33, 49-51.	1.0	15

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37	The comet assay applied to cells of the eye. Mutagenesis, 2018, 33, 21-24.	1.0	5
38	Base excision repair capacity as a determinant of prognosis and therapy response in colon cancer patients. DNA Repair, 2018, 72, 77-85.	1.3	27
39	Levels of oxidative DNA damage are low in exÂvivo engineered human limbal epithelial tissue. Acta Ophthalmologica, 2018, 96, 834-840.	0.6	0
40	Single-cell exomes in an index case of amp1q21 multiple myeloma reveal more diverse mutanomes than the whole population. Blood, 2018, 132, 232-235.	0.6	1
41	Mobile phone specific electromagnetic fields induce transient DNA damage and nucleotide excision repair in serum-deprived human glioblastoma cells. PLoS ONE, 2018, 13, e0193677.	1.1	14
42	Vitamin D status and cardiometabolic risk factors in young adults in Hong Kong: associations and implications. Asia Pacific Journal of Clinical Nutrition, 2018, 27, 231-237.	0.3	11
43	Sensitive detection of DNA oxidation damage induced by nanomaterials. Free Radical Biology and Medicine, 2017, 107, 69-76.	1.3	30
44	Evaluating phenotype-driven approaches for genetic diagnoses from exomes in a clinical setting. Scientific Reports, 2017, 7, 13509.	1.6	26
45	Vitamin D deficiency, oxidative stress and antioxidant status: only weak association seen in the absence of advanced age, obesity or pre-existing disease. British Journal of Nutrition, 2017, 118, 11-16.	1.2	31
46	Germline variation in ADAMTSL1 is associated with prognosis following breast cancer treatment in young women. Nature Communications, 2017, 8, 1632.	5.8	18
47	High throughput toxicity screening and intracellular detection of nanomaterials. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1413.	3.3	101
48	Acidic horseradish peroxidase activity abolishes genotoxicity of common dyes. Journal of Hazardous Materials, 2017, 321, 576-585.	6.5	8
49	In vitrogenotoxicity testing of four reference metal nanomaterials, titanium dioxide, zinc oxide, cerium oxide and silver: towards reliable hazard assessment. Mutagenesis, 2017, 32, 117-126.	1.0	93
50	TLR9 stimulation of B-cells induces transcription of p53 and prevents spontaneous and irradiation-induced cell death independent of DNA damage responses. Implications for Common variable immunodeficiency. PLoS ONE, 2017, 12, e0185708.	1.1	6
51	The Use of Bacterial Repair Endonucleases in the Comet Assay. Methods in Molecular Biology, 2017, 1641, 173-184.	0.4	14
52	Twelve-Gel Comet Assay Format for Quick Examination of DNA Damage and Repair. Methods in Molecular Biology, 2017, 1644, 181-186.	0.4	5
53	Evaluation of Genotoxic Effects of Asbestos on Occupationally Exposed Workers in Brazil. Biomonitoring, 2016, 3, .	1.0	1
54	Polyphenols and DNA Damage: A Mixed Blessing. Nutrients, 2016, 8, 785.	1.7	89

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55	Vitamin D and oxidation-induced DNA damage: is there a connection?. Mutagenesis, 2016, 31, 655-659.	1.0	6
56	Deleterious coding variants in multi-case families with non-syndromic cleft lip and/or palate phenotypes. Scientific Reports, 2016, 6, 30457.	1.6	19
57	Chapter 2. High-throughput Measurement of DNA Breaks and Oxidised Bases with the Comet Assay. Issues in Toxicology, 2016, , 65-92.	0.2	1
58	Exome Sequencing in Classic Hairy Cell Leukaemia Reveals Widespread Variation in Acquired Somatic Mutations between Individual Tumours Apart from the Signature BRAF V(600)E Lesion. PLoS ONE, 2016, 11, e0149162.	1.1	17
59	Aarskog-Scott syndrome: phenotypic and genetic heterogeneity. AIMS Genetics, 2016, 03, 049-059.	1.9	4
60	Application of the Comet Assay in Nanotoxicology. Issues in Toxicology, 2016, , 477-497.	0.2	0
61	Quantifying the cumulative effect of lowâ€penetrance genetic variants on breast cancer risk. Molecular Genetics & Genomic Medicine, 2015, 3, 182-188.	0.6	1
62	Whole genome sequences are required to fully resolve the linkage disequilibrium structure of human populations. BMC Genomics, 2015, 16, 666.	1.2	14
63	Comparison of the effect of raw and blanchedâ€frozen broccoli on <scp>DNA</scp> damage in colonocytes. Cell Biochemistry and Function, 2015, 33, 266-276.	1.4	4
64	The comet assay: past, present, and future. Frontiers in Genetics, 2015, 6, 266.	1.1	103
65	Suitability of human and mammalian cells of different origin for the assessment of genotoxicity of metal and polymeric engineered nanoparticles. Nanotoxicology, 2015, 9, 57-65.	1.6	53
66	Nanoparticles in food. Epigenetic changes induced by nanomaterials and possible impact on health. Food and Chemical Toxicology, 2015, 77, 64-73.	1.8	116
67	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. Carcinogenesis, 2015, 36, S254-S296.	1.3	239
68	Reference cells and ploidy in the comet assay. Frontiers in Genetics, 2015, 6, 61.	1.1	9
69	Marine ecotoxicity of nitramines, transformation products of amine-based carbon capture technology. Science of the Total Environment, 2015, 527-528, 211-219.	3.9	12
70	Causes of genome instability: the effect of low dose chemical exposures in modern society. Carcinogenesis, 2015, 36, S61-S88.	1.3	149
71	Genomic instability in human cancer: Molecular insights and opportunities for therapeutic attack and prevention through diet and nutrition. Seminars in Cancer Biology, 2015, 35, S5-S24.	4.3	231
72	Genetics and Prognostication in Splenic Marginal Zone Lymphoma: Revelations from Deep Sequencing. Clinical Cancer Research, 2015, 21, 4174-4183.	3.2	129

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73	Fluorescent In Situ Hybridization on Comets: FISH Comet. Methods in Molecular Biology, 2015, 1288, 363-373.	0.4	9
74	Designing a broad-spectrum integrative approach for cancer prevention and treatment. Seminars in Cancer Biology, 2015, 35, S276-S304.	4.3	220
75	Critical factors to be considered when testing nanomaterials for genotoxicity with the comet assay. Mutagenesis, 2015, 30, 85-88.	1.0	37
76	Redox-linked effects of green tea on DNA damage and repair, and influence of microsatellite polymorphism in HMOX-1: results of a human intervention trial. Mutagenesis, 2015, 30, 129-137.	1.0	24
77	DNA repair after X-irradiation: lessons from plants. Mutagenesis, 2015, 30, 45-50.	1.0	13
78	The comet assay: a heavenly method!. Mutagenesis, 2015, 30, 1-4.	1.0	50
79	Can the comet assay be used reliably to detect nanoparticleâ€induced genotoxicity?. Environmental and Molecular Mutagenesis, 2015, 56, 82-96.	0.9	110
80	Biological impact assessment of nanomaterial used in nanomedicine. Introduction to the NanoTEST project. Nanotoxicology, 2015, 9, 5-12.	1.6	36
81	Coating-dependent induction of cytotoxicity and genotoxicity of iron oxide nanoparticles. Nanotoxicology, 2015, 9, 44-56.	1.6	81
82	Critical issues with the in vivo comet assay: A report of the comet assay working group in the 6th International Workshop on Genotoxicity Testing (IWGT). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 783, 6-12.	0.9	51
83	A Genome Wide Meta-Analysis Study for Identification of Common Variation Associated with Breast Cancer Prognosis. PLoS ONE, 2014, 9, e101488.	1.1	42
84	On the search for an intelligible comet assay descriptor. Frontiers in Genetics, 2014, 5, 217.	1.1	36
85	Functional evaluation of DNA repair in human biopsies and their relation to other cellular biomarkers. Frontiers in Genetics, 2014, 5, 116.	1.1	13
86	High throughput sample processing and automated scoring. Frontiers in Genetics, 2014, 5, 373.	1.1	17
87	Comet assay to measure DNA repair: approach and applications. Frontiers in Genetics, 2014, 5, 288.	1.1	130
88	Controlling variation in the comet assay. Frontiers in Genetics, 2014, 5, 359.	1.1	83
89	The Comet Assay: High Throughput Use of FPG. Methods in Pharmacology and Toxicology, 2014, , 199-217.	0.1	2
90	Methods for Measuring DNA Repair: Introduction and Cellular Repair. Methods in Pharmacology and Toxicology, 2014, , 365-376.	0.1	2

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91	Homocysteine, antioxidant micronutrients and late onset dementia. European Journal of Nutrition, 2014, 53, 277-285.	1.8	20
92	Base excision repair capacity in chronic renal failure patients undergoing hemodialysis treatment. Cell Biochemistry and Function, 2014, 32, 177-182.	1.4	20
93	Leucocytes isolated from simply frozen whole blood can be used in human biomonitoring for DNA damage measurement with the comet assay. Cell Biochemistry and Function, 2014, 32, 299-302.	1.4	28
94	Both genetic and dietary factors underlie individual differences in DNA damage levels and DNA repair capacity. DNA Repair, 2014, 16, 66-73.	1.3	42
95	The comet assay as a tool for human biomonitoring studies: The ComNet Project. Mutation Research - Reviews in Mutation Research, 2014, 759, 27-39.	2.4	182
96	A Standardized Protocol for the In Vitro Comet-Based DNA Repair Assay. Methods in Pharmacology and Toxicology, 2014, , 377-395.	0.1	3
97	Variation of DNA damage levels in peripheral blood mononuclear cells isolated in different laboratories. Mutagenesis, 2014, 29, 241-249.	1.0	30
98	Measuring oxidative damage to DNA and its repair with the comet assay. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 794-800.	1.1	257
99	Mechanisms of genotoxicity. A review ofin vitroandin vivostudies with engineered nanoparticles. Nanotoxicology, 2014, 8, 233-278.	1.6	523
100	Megalencephaly Syndromes: Exome Pipeline Strategies for Detecting Low-Level Mosaic Mutations. PLoS ONE, 2014, 9, e86940.	1.1	20
101	Aging and DNA damage in humans: a meta-analysis study. Aging, 2014, 6, 432-439.	1.4	96
102	DNA Oxidation Damage. , 2014, , 1-4.		0
103	DNA Oxidation Damage. , 2014, , 1403-1406.		1
104	Donor cornea transfer from Optisol GS to organ culture storage: a twoâ€step procedure to increase donor tissue lifespan. Acta Ophthalmologica, 2013, 91, 219-225.	0.6	22
105	DNA-repair measurements by use of the modified comet assay: An inter-laboratory comparison within the European Comet Assay Validation Group (ECVAG). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 757, 60-67.	0.9	37
106	Deleterious consequences of antioxidant supplementation on lifespan in a wild-derived mammal. Biology Letters, 2013, 9, 20130432.	1.0	48
107	A comparative performance test of standard, medium- and high-throughput comet assays. Toxicology in Vitro, 2013, 27, 768-773.	1.1	58
108	An ECVAG inter-laboratory validation study of the comet assay: inter-laboratory and intra-laboratory variations of DNA strand breaks and FPG-sensitive sites in human mononuclear cells. Mutagenesis, 2013, 28, 279-286.	1.0	78

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109	A SNP profiling panel for sample tracking in whole-exome sequencing studies. Genome Medicine, 2013, 5, 89.	3.6	57
110	Measurement of DNA base and nucleotide excision repair activities in mammalian cells and tissues using the comet assay â€“ A methodological overview. DNA Repair, 2013, 12, 1007-1010.	1.3	40
111	The comet assay, DNA damage, DNA repair and cytotoxicity: hedgehogs are not always dead. Mutagenesis, 2013, 28, 427-432.	1.0	124
112	High-throughput comet assay using 96 minigels. Mutagenesis, 2013, 28, 333-340.	1.0	90
113	DNA damage in lens epithelium of cataract patientsin vivoandex vivo. Acta Ophthalmologica, 2013, 91, 652-656.	0.6	41
114	Development of a new application of the comet assay to assess levels of O6-methylguanine in genomic DNA (CoMeth). Free Radical Biology and Medicine, 2013, 60, 41-48.	1.3	10
115	Kiwifruit as a Modulator of DNA Damage and DNA Repair. Advances in Food and Nutrition Research, 2013, 68, 283-299.	1.5	16
116	The essential comet assay: a comprehensive guide to measuring DNA damage and repair. Archives of Toxicology, 2013, 87, 949-968.	1.9	379
117	Enhancing the sensitivity of the comet assay as a genotoxicity test, by combining it with bacterial repair enzyme FPG. Mutagenesis, 2013, 28, 271-277.	1.0	74
118	Ageâ€related increases in human lymphocyte DNA damage: is there a role of aerobic fitness?. Cell Biochemistry and Function, 2013, 31, 743-748.	1.4	11
119	Whole Exome Sequencing Identifies Novel Recurrently Mutated Genes in Patients with Splenic Marginal Zone Lymphoma. PLoS ONE, 2013, 8, e83244.	1.1	66
120	Vitamin C in Cultured Human (HeLa) Cells: Lack of Effect on DNA Protection and Repair. Nutrients, 2013, 5, 1200-1217.	1.7	18
121	Functional, Genetic, and Epigenetic Aspects of Base and Nucleotide Excision Repair in Colorectal Carcinomas. Clinical Cancer Research, 2012, 18, 5878-5887.	3.2	66
122	Silver nanoparticles induce premutagenic DNA oxidation that can be prevented by phytochemicals from Gentiana asclepiadea. Mutagenesis, 2012, 27, 759-769.	1.0	43
123	The use of FISH-comet to detect c-Myc and TP 53 damage in extended-term lymphocyte cultures treated with terbuthylazine and carbofuran. Toxicology Letters, 2012, 211, 62-69.	0.4	31
124	Inter-laboratory variation in DNA damage using a standard comet assay protocol. Mutagenesis, 2012, 27, 665-672.	1.0	79
125	Launch of the ComNet (comet network) project on the comet assay in human population studies during the International Comet Assay Workshop meeting in Kusadasi, Turkey (September 13-16, 2011). Mutagenesis, 2012, 27, 385-386.	1.0	17
126	DNA repair as a biomarker in human biomonitoring studies; further applications of the comet assay. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 736, 122-129.	0.4	97

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127	Are glutathione S transferases involved in DNA damage signalling? Interactions with DNA damage and repair revealed from molecular epidemiology studies. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 736, 130-137.	0.4	59
128	DNA repair as a biomarker. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 736, 2-4.	0.4	13
129	Can Standard Genotoxicity Tests be Applied to Nanoparticles?. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 800-806.	1.1	101
130	Protection bySalviaExtracts Against Oxidative and Alkylation Damage to DNA in Human HCT15 and CO115 Cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 765-775.	1.1	29
131	Single-Cell Gel Electrophoresis Combined with Lesion-Specific Enzymes to Measure Oxidative Damage to DNA. Methods in Cell Biology, 2012, 112, 69-92.	0.5	28
132	Harmonising measurements of 8-oxo-7,8-dihydro-2â€²-deoxyguanosine in cellular DNA and urine. Free Radical Research, 2012, 46, 541-553.	1.5	45
133	Gentiana asclepiadea protects human cells against oxidation DNA lesions. Cell Biochemistry and Function, 2012, 30, 101-107.	1.4	22
134	Antioxidant vitamins and mineral supplementation, life span expansion and cancer incidence: a critical commentary. European Journal of Nutrition, 2012, 51, 769-781.	1.8	65
135	Effects of micronutrients on DNA repair. European Journal of Nutrition, 2012, 51, 261-279.	1.8	63
136	Carotenoids and DNA damage. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 733, 4-13.	0.4	55
137	The influence of scoring method on variability in results obtained with the comet assay. Mutagenesis, 2011, 26, 393-399.	1.0	95
138	Towards a more reliable comet assay: Optimising agarose concentration, unwinding time and electrophoresis conditions. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 724, 41-45.	0.9	106
139	How the 1932 and 1947 mental surveys of Aberdeen schoolchildren provide a framework to explore the childhood origins of late onset disease and disability. Maturitas, 2011, 69, 365-372.	1.0	42
140	Study of gene-specific DNA repair in the comet assay with padlock probes and rolling circle amplification. Toxicology Letters, 2011, 202, 142-147.	0.4	11
141	The genetics of breast cancer: risk factors for disease. The Application of Clinical Genetics, 2011, 4, 11.	1.4	32
142	The influence of sterilization with EnbioJetÂ® Microwave Flow Pasteurizer on composition and bioactivity of aronia and blue-berried honeysuckle juices. Journal of Food Composition and Analysis, 2011, 24, 880-888.	1.9	37
143	Supplementation of a western diet with golden kiwifruits (Actinidia chinensis var.'Hort 16A':) effects on biomarkers of oxidation damage and antioxidant protection. Nutrition Journal, 2011, 10, 54.	1.5	61
144	Both base excision repair and nucleotide excision repair in humans are influenced by nutritional factors. Cell Biochemistry and Function, 2011, 29, 36-42.	1.4	30

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145	Compliance, tolerability and safety of two antioxidant-rich diets: a randomised controlled trial in male smokers. British Journal of Nutrition, 2011, 106, 557-571.	1.2	13
146	Combining Fluorescent In Situ Hybridization with the Comet Assay for Targeted Examination of DNA Damage and Repair. Methods in Molecular Biology, 2011, 682, 115-132.	0.4	22
147	The Use of Bacterial Repair Endonucleases in the Comet Assay. Methods in Molecular Biology, 2011, 691, 137-147.	0.4	35
148	Oxidative DNA Damage. , 2011, , 2728-2730.		0
149	An ECVAG trial on assessment of oxidative damage to DNA measured by the comet assay. Mutagenesis, 2010, 25, 125-132.	1.0	99
150	Protective effects of Ursolic acid and Luteolin against oxidative DNA damage include enhancement of DNA repair in Caco-2 cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 692, 6-11.	0.4	102
151	Blood cell gene expression associated with cellular stress defense is modulated by antioxidant-rich food in a randomised controlled clinical trial of male smokers. BMC Medicine, 2010, 8, 54.	2.3	72
152	Variation in the measurement of DNA damage by comet assay measured by the ECVAGÂ inter-laboratory validation trial. Mutagenesis, 2010, 25, 113-123.	1.0	155
153	Twelve-gel slide format optimised for comet assay and fluorescent in situ hybridisation. Toxicology Letters, 2010, 195, 31-34.	0.4	87
154	Polyphenolic Compounds from Salvia Species Protect Cellular DNA from Oxidation and Stimulate DNA Repair in Cultured Human Cells. Journal of Agricultural and Food Chemistry, 2010, 58, 7465-7471.	2.4	68
155	In vitro comet assay for DNA repair: a warning concerning application to cultured cells. Mutagenesis, 2009, 24, 379-381.	1.0	23
156	Increasing the resolution of the comet assay using fluorescent in situ hybridization--a review. Mutagenesis, 2009, 24, 383-389.	1.0	45
157	Comet assay-based methods for measuring DNA repair in vitro; estimates of inter- and intra-individual variation. Cell Biology and Toxicology, 2009, 25, 45-52.	2.4	86
158	Effect of processed and red meat on endogenous nitrosation and DNA damage. Carcinogenesis, 2009, 30, 1402-1407.	1.3	125
159	DNA oxidation: Investigating its key role in environmental mutagenesis with the comet assay. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 674, 101-108.	0.9	161
160	Investigating oxidative DNA damage and its repair using the comet assay. Mutation Research - Reviews in Mutation Research, 2009, 681, 24-32.	2.4	221
161	Use of single cell gel electrophoresis assays for the detection of DNA-protective effects of dietary factors in humans: Recent results and trends. Mutation Research - Reviews in Mutation Research, 2009, 681, 68-79.	2.4	57
162	Chapter 9. Applications of the Comet Assay in Human Biomonitoring. Issues in Toxicology, 2009, , 201-226.	0.2	5

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163	CHROMSCAN: genome-wide association using a linkage disequilibrium map. Journal of Human Genetics, 2008, 53, 121-126.	1.1	11
164	Singleâ€cell gel electrophoresis (the comet assay): Loops or fragments?. Electrophoresis, 2008, 29, 3005-3012.	1.3	47
165	Antitumoral Effect of Phenazine N⁵,N¹⁰-Dioxide Derivatives on Caco-2 Cells. Chemical Research in Toxicology, 2008, 21, 1578-1585.	1.7	25
166	The comet assay: topical issues. Mutagenesis, 2008, 23, 143-151.	1.0	811
167	The comet assay in human biomonitoring: gene-environment interactions. Mutagenesis, 2008, 23, 191-205.	1.0	283
168	The carotenoid Â-cryptoxanthin stimulates the repair of DNA oxidation damage in addition to acting as an antioxidant in human cells. Carcinogenesis, 2008, 30, 308-314.	1.3	133
169	Occupational exposure to mineral fibres. Biomarkers of oxidative damage and antioxidant defence and associations with DNA damage and repair. Mutagenesis, 2008, 23, 249-260.	1.0	26
170	Lifelong Î±-Tocopherol Supplementation Increases the Median Life Span of C57BL/6 Mice in the Cold but Has Only Minor Effects on Oxidative Damage. Rejuvenation Research, 2008, 11, 83-96.	0.9	28
171	The impact of experimentally elevated energy expenditure on oxidative stress and lifespan in the short-tailed field vole Microtus agrestis. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1907-1916.	1.2	76
172	Age-related increases in DNA repair and antioxidant protection: A comparison of the Boyd Orr Cohort of elderly subjects with a younger population sample. Age and Ageing, 2007, 36, 521-526.	0.7	64
173	DNA base excision repair as a biomarker in molecular epidemiology studies. Molecular Aspects of Medicine, 2007, 28, 307-322.	2.7	56
174	Fourth International Workgroup on Genotoxicity testing: Results of the in vivo Comet assay workgroup. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 627, 31-35.	0.9	452
175	Detection of Alu sequences and mtDNA in comets using padlock probes. Mutagenesis, 2006, 21, 243-247.	1.0	29
176	Cruciferous vegetables and colo-rectal cancer. Proceedings of the Nutrition Society, 2006, 65, 135-144.	0.4	68
177	Life-long vitamin C supplementation in combination with cold exposure does not affect oxidative damage or lifespan in mice, but decreases expression of antioxidant protection genes. Mechanisms of Ageing and Development, 2006, 127, 897-904.	2.2	80
178	Possible involvement of XPA in repair of oxidative DNA damage deduced from analysis of damage, repair and genotype in a human population study. Mutagenesis, 2006, 21, 205-211.	1.0	61
179	From oxidative DNA damage to molecular epidemiology. Journal of Applied Biomedicine, 2006, 4, 39-43.	0.6	4
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