

Andrew R Collins

List of Publications by Year in descending order

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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	The Comet Assay for DNA Damage and Repair: Principles, Applications, and Limitations. <i>Molecular Biotechnology</i> , 2004, 26, 249-261.	1.3	2,262
2	The comet assay: topical issues. <i>Mutagenesis</i> , 2008, 23, 143-151.	1.0	811
3	Direct enzymic detection of endogenous oxidative base damage in human lymphocyte DNA. <i>Carcinogenesis</i> , 1993, 14, 1733-1735.	1.3	790
4	The kinetics of repair of oxidative DNA damage (strand breaks and oxidised pyrimidines) in human cells. <i>Mutation Research DNA Repair</i> , 1995, 336, 69-77.	3.8	600
5	The comet assay: what can it really tell us?. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1997, 375, 183-193.	0.4	568
6	Comet assay in human biomonitoring studies: Reliability, validation, and applications. <i>Environmental and Molecular Mutagenesis</i> , 1997, 30, 139-146.	0.9	555
7	Mechanisms of genotoxicity. A review of <i>in vitro</i> and <i>in vivo</i> studies with engineered nanoparticles. <i>Nanotoxicology</i> , 2014, 8, 233-278.	1.6	523
8	Fourth International Workgroup on Genotoxicity testing: Results of the <i>in vivo</i> Comet assay workgroup. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007, 627, 31-35.	0.9	452
9	Establishing the background level of base oxidation in human lymphocyte DNA: results of an interlaboratory validation study. <i>FASEB Journal</i> , 2005, 19, 82-84.	0.2	404
10	The essential comet assay: a comprehensive guide to measuring DNA damage and repair. <i>Archives of Toxicology</i> , 2013, 87, 949-968.	1.9	379
11	Are we sure we know how to measure 8-oxo-7,8-dihydroguanine in DNA from human cells?. <i>Archives of Biochemistry and Biophysics</i> , 2004, 423, 57-65.	1.4	287
12	Antioxidant Efficacy of Phytoestrogens in Chemical and Biological Model Systems. <i>Archives of Biochemistry and Biophysics</i> , 1998, 360, 142-148.	1.4	286
13	The comet assay in human biomonitoring: gene-environment interactions. <i>Mutagenesis</i> , 2008, 23, 191-205.	1.0	283
14	Oxidative DNA damage, antioxidants, and cancer. <i>BioEssays</i> , 1999, 21, 238-246.	1.2	263
15	Measuring oxidative damage to DNA and its repair with the comet assay. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 794-800.	1.1	257
16	Biomarkers. <i>Molecular Aspects of Medicine</i> , 2002, 23, 101-208.	2.7	250
17	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015, 36, S254-S296.	1.3	239
18	Homocysteine, B vitamin status, and cognitive function in the elderly. <i>American Journal of Clinical Nutrition</i> , 2002, 75, 908-913.	2.2	231

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19	Genomic instability in human cancer: Molecular insights and opportunities for therapeutic attack and prevention through diet and nutrition. <i>Seminars in Cancer Biology</i> , 2015, 35, S5-S24.	4.3	231
20	Investigating oxidative DNA damage and its repair using the comet assay. <i>Mutation Research - Reviews in Mutation Research</i> , 2009, 681, 24-32.	2.4	221
21	Designing a broad-spectrum integrative approach for cancer prevention and treatment. <i>Seminars in Cancer Biology</i> , 2015, 35, S276-S304.	4.3	220
22	Anthocyanin-rich extract decreases indices of lipid peroxidation and DNA damage in vitamin E-depleted rats. <i>Free Radical Biology and Medicine</i> , 2001, 31, 1033-1037.	1.3	218
23	Nutritional modulation of DNA repair in a human intervention study. <i>Carcinogenesis</i> , 2003, 24, 511-515.	1.3	207
24	Minimum Information for Reporting on the Comet Assay (MIRCA): recommendations for describing comet assay procedures and results. <i>Nature Protocols</i> , 2020, 15, 3817-3826.	5.5	189
25	The comet assay as a tool for human biomonitoring studies: The ComNet Project. <i>Mutation Research - Reviews in Mutation Research</i> , 2014, 759, 27-39.	2.4	182
26	Inter-individual differences in repair of DNA base oxidation, measured in vitro with the comet assay. <i>Mutagenesis</i> , 2001, 16, 297-301.	1.0	167
27	DNA oxidation: Investigating its key role in environmental mutagenesis with the comet assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 674, 101-108.	0.9	161
28	DNA Damage in Diabetes: Correlation with a Clinical Marker. <i>Free Radical Biology and Medicine</i> , 1998, 25, 373-377.	1.3	157
29	Assays for oxidative stress and antioxidant status: applications to research into the biological effectiveness of polyphenols. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 261S-267S.	2.2	155
30	Variation in the measurement of DNA damage by comet assay measured by the ECVAGÂ inter-laboratory validation trial. <i>Mutagenesis</i> , 2010, 25, 113-123.	1.0	155
31	Causes of genome instability: the effect of low dose chemical exposures in modern society. <i>Carcinogenesis</i> , 2015, 36, S61-S88.	1.3	149
32	Oxidative DNA damage measured in human lymphocytes: large differences between sexes and between countries, and correlations with heart disease mortality rates. <i>FASEB Journal</i> , 1998, 12, 1397-1400.	0.2	144
33	Kiwifruit Protects Against Oxidative DNA Damage in Human Cells and In Vitro. <i>Nutrition and Cancer</i> , 2001, 39, 148-153.	0.9	141
34	Recovery of human lymphocytes from oxidative DNA damage; the apparent enhancement of DNA repair by carotenoids is probably simply an antioxidant effect. <i>European Journal of Nutrition</i> , 2000, 39, 80-85.	1.8	133
35	The carotenoid Â-cryptoxanthin stimulates the repair of DNA oxidation damage in addition to acting as an antioxidant in human cells. <i>Carcinogenesis</i> , 2008, 30, 308-314.	1.3	133
36	Detection of Oxidised Purines and UV-induced Photoproducts in DNA of Single Cells, by Inclusion of Lesion-specific Enzymes in the Comet Assay. <i>ATLA Alternatives To Laboratory Animals</i> , 1996, 24, 405-411.	0.7	131

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37	Single cell gel electrophoresis: Detection of DNA damage at different levels of sensitivity. <i>Electrophoresis</i> , 1999, 20, 2133-2138.	1.3	131
38	Comet assay to measure DNA repair: approach and applications. <i>Frontiers in Genetics</i> , 2014, 5, 288.	1.1	130
39	Genetics and Prognostication in Splenic Marginal Zone Lymphoma: Revelations from Deep Sequencing. <i>Clinical Cancer Research</i> , 2015, 21, 4174-4183.	3.2	129
40	Effect of processed and red meat on endogenous nitrosation and DNA damage. <i>Carcinogenesis</i> , 2009, 30, 1402-1407.	1.3	125
41	The comet assay, DNA damage, DNA repair and cytotoxicity: hedgehogs are not always dead. <i>Mutagenesis</i> , 2013, 28, 427-432.	1.0	124
42	Glutathione S-transferase polymorphisms influence the level of oxidative DNA damage and antioxidant protection in humans. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001, 482, 47-55.	0.4	121
43	In vivo supplementation with coenzyme Q 10 enhances the recovery of human lymphocytes from oxidative DNA damage. <i>FASEB Journal</i> , 2001, 15, 1425-1427.	0.2	118
44	Application of the comet assay for monitoring DNA damage in workers exposed to chronic low-dose irradiation. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998, 416, 21-35.	0.9	116
45	Carotenoids and genomic stability. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001, 475, 21-28.	0.4	116
46	The Comet Assay: Principles, Applications, and Limitations. , 2002, 203, 163-177.		116
47	Antioxidant intervention as a route to cancer prevention. <i>European Journal of Cancer</i> , 2005, 41, 1923-1930.	1.3	116
48	Nanoparticles in food. Epigenetic changes induced by nanomaterials and possible impact on health. <i>Food and Chemical Toxicology</i> , 2015, 77, 64-73.	1.8	116
49	Comparison of different methods of measuring 8-oxoguanine as a marker of oxidative DNA damage. <i>Free Radical Research</i> , 2000, 32, 333-341.	1.5	112
50	Can the comet assay be used reliably to detect nanoparticle-induced genotoxicity?. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 82-96.	0.9	110
51	Oxidative stress in humans: validation of biomarkers of DNA damage. <i>Carcinogenesis</i> , 2002, 23, 1441-1446.	1.3	109
52	Genotoxic effects of asbestos in humans. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 553, 91-102.	0.4	107
53	Towards a more reliable comet assay: Optimising agarose concentration, unwinding time and electrophoresis conditions. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 724, 41-45.	0.9	106
54	The comet assay: past, present, and future. <i>Frontiers in Genetics</i> , 2015, 6, 266.	1.1	103

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55	Protective effects of Ursolic acid and Luteolin against oxidative DNA damage include enhancement of DNA repair in Caco-2 cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 692, 6-11.	0.4	102
56	Can Standard Genotoxicity Tests be Applied to Nanoparticles?. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 800-806.	1.1	101
57	High throughput toxicity screening and intracellular detection of nanomaterials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017, 9, e1413.	3.3	101
58	An ECVAG trial on assessment of oxidative damage to DNA measured by the comet assay. <i>Mutagenesis</i> , 2010, 25, 125-132.	1.0	99
59	DNA repair as a biomarker in human biomonitoring studies; further applications of the comet assay. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 736, 122-129.	0.4	97
60	Aging and DNA damage in humans: a meta-analysis study. <i>Aging</i> , 2014, 6, 432-439.	1.4	96
61	The influence of scoring method on variability in results obtained with the comet assay. <i>Mutagenesis</i> , 2011, 26, 393-399.	1.0	95
62	Application of the comet assay in human biomonitoring: An hCOMET perspective. <i>Mutation Research - Reviews in Mutation Research</i> , 2020, 783, 108288.	2.4	95
63	<i>In vitro</i> genotoxicity testing of four reference metal nanomaterials, titanium dioxide, zinc oxide, cerium oxide and silver: towards reliable hazard assessment. <i>Mutagenesis</i> , 2017, 32, 117-126.	1.0	93
64	High-throughput comet assay using 96 minigels. <i>Mutagenesis</i> , 2013, 28, 333-340.	1.0	90
65	Polyphenols and DNA Damage: A Mixed Blessing. <i>Nutrients</i> , 2016, 8, 785.	1.7	89
66	Twelve-gel slide format optimised for comet assay and fluorescent in situ hybridisation. <i>Toxicology Letters</i> , 2010, 195, 31-34.	0.4	87
67	Comet assay-based methods for measuring DNA repair in vitro; estimates of inter- and intra-individual variation. <i>Cell Biology and Toxicology</i> , 2009, 25, 45-52.	2.4	86
68	<i>Ex vivo</i> Assessment of Lymphocyte Antioxidant Status Using the Comet Assay. <i>Free Radical Research</i> , 1997, 27, 533-537.	1.5	85
69	Controlling variation in the comet assay. <i>Frontiers in Genetics</i> , 2014, 5, 359.	1.1	83
70	Coating-dependent induction of cytotoxicity and genotoxicity of iron oxide nanoparticles. <i>Nanotoxicology</i> , 2015, 9, 44-56.	1.6	81
71	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. <i>Mechanisms of Ageing and Development</i> , 2006, 127, 897-904.	2.2	80
72	Inter-laboratory variation in DNA damage using a standard comet assay protocol. <i>Mutagenesis</i> , 2012, 27, 665-672.	1.0	79

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73	Repair of oxidative DNA damage: assessing its contribution to cancer prevention. <i>Mutagenesis</i> , 2002, 17, 489-493.	1.0	78
74	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. <i>Mutagenesis</i> , 2013, 28, 279-286.	1.0	78
75	Effect of a phytoestrogen food supplement on reproductive health in normal males. <i>Clinical Science</i> , 2001, 100, 613.	1.8	77
76	The impact of experimentally elevated energy expenditure on oxidative stress and lifespan in the short-tailed field vole <i>Microtus agrestis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1907-1916.	1.2	76
77	Inter-laboratory Validation of Procedures for Measuring 8-oxo-7,8-dihydroguanine/8-oxo-7,8-dihydro-2'-deoxyguanosine in DNA. <i>Free Radical Research</i> , 2002, 36, 239-245.	1.5	75
78	Enhancing the sensitivity of the comet assay as a genotoxicity test, by combining it with bacterial repair enzyme FPG. <i>Mutagenesis</i> , 2013, 28, 271-277.	1.0	74
79	Blood cell gene expression associated with cellular stress defense is modulated by antioxidant-rich food in a randomised controlled clinical trial of male smokers. <i>BMC Medicine</i> , 2010, 8, 54.	2.3	72
80	Cruciferous vegetables and colo-rectal cancer. <i>Proceedings of the Nutrition Society</i> , 2006, 65, 135-144.	0.4	68
81	Polyphenolic Compounds from <i>Salvia</i> Species Protect Cellular DNA from Oxidation and Stimulate DNA Repair in Cultured Human Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7465-7471.	2.4	68
82	Measuring oxidative damage to DNA; HPLC and the comet assay compared. <i>Free Radical Research</i> , 1998, 29, 609-615.	1.5	66
83	Functional, Genetic, and Epigenetic Aspects of Base and Nucleotide Excision Repair in Colorectal Carcinomas. <i>Clinical Cancer Research</i> , 2012, 18, 5878-5887.	3.2	66
84	Whole Exome Sequencing Identifies Novel Recurrently Mutated Genes in Patients with Splenic Marginal Zone Lymphoma. <i>PLoS ONE</i> , 2013, 8, e83244.	1.1	66
85	The comet assay in animal models: From bugs to whales " (Part 1 Invertebrates). <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 779, 82-113.	2.4	66
86	Antioxidant vitamins and mineral supplementation, life span expansion and cancer incidence: a critical commentary. <i>European Journal of Nutrition</i> , 2012, 51, 769-781.	1.8	65
87	Age-related increases in DNA repair and antioxidant protection: A comparison of the Boyd Orr Cohort of elderly subjects with a younger population sample. <i>Age and Ageing</i> , 2007, 36, 521-526.	0.7	64
88	DNA damage and repair measured in different genomic regions using the comet assay with fluorescent in situ hybridization. <i>Mutagenesis</i> , 2004, 19, 269-276.	1.0	63
89	Effects of micronutrients on DNA repair. <i>European Journal of Nutrition</i> , 2012, 51, 261-279.	1.8	63
90	Possible involvement of XPA in repair of oxidative DNA damage deduced from analysis of damage, repair and genotype in a human population study. <i>Mutagenesis</i> , 2006, 21, 205-211.	1.0	61

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91	Supplementation of a western diet with golden kiwifruits (<i>Actinidia chinensis</i> var. 'Hort 16A') effects on biomarkers of oxidation damage and antioxidant protection. <i>Nutrition Journal</i> , 2011, 10, 54.	1.5	61
92	Are glutathione S transferases involved in DNA damage signalling? Interactions with DNA damage and repair revealed from molecular epidemiology studies. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 736, 130-137.	0.4	59
93	A comparative performance test of standard, medium- and high-throughput comet assays. <i>Toxicology in Vitro</i> , 2013, 27, 768-773.	1.1	58
94	Technical recommendations to perform the alkaline standard and enzyme-modified comet assay in human biomonitoring studies. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 843, 24-32.	0.9	58
95	Use of single cell gel electrophoresis assays for the detection of DNA-protective effects of dietary factors in humans: Recent results and trends. <i>Mutation Research - Reviews in Mutation Research</i> , 2009, 681, 68-79.	2.4	57
96	A SNP profiling panel for sample tracking in whole-exome sequencing studies. <i>Genome Medicine</i> , 2013, 5, 89.	3.6	57
97	UV-sensitive rodent mutant cell lines of complementation groups 6 and 8 differ phenotypically from their human counterparts. <i>Environmental and Molecular Mutagenesis</i> , 1997, 29, 152-160.	0.9	56
98	DNA base excision repair as a biomarker in molecular epidemiology studies. <i>Molecular Aspects of Medicine</i> , 2007, 28, 307-322.	2.7	56
99	Carotenoids and DNA damage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 733, 4-13.	0.4	55
100	Oxidation of Cellular DNA Measured with the Comet Assay. , 2002, 186, 147-160.		54
101	Antioxidant enzyme activities, lipid peroxidation, and DNA oxidative damage: the effects of short-term voluntary wheel running. <i>Archives of Biochemistry and Biophysics</i> , 2002, 401, 255-261.	1.4	54
102	Are environmental electromagnetic fields genotoxic?. <i>DNA Repair</i> , 2004, 3, 1385-1387.	1.3	53
103	Suitability of human and mammalian cells of different origin for the assessment of genotoxicity of metal and polymeric engineered nanoparticles. <i>Nanotoxicology</i> , 2015, 9, 57-65.	1.6	53
104	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). <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 783, 6-12.	0.9	51
105	The comet assay: a heavenly method!. <i>Mutagenesis</i> , 2015, 30, 1-4.	1.0	50
106	Application of the comet assay for monitoring DNA damage in workers exposed to chronic low-dose irradiation. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998, 416, 37-57.	0.9	49
107	Deleterious consequences of antioxidant supplementation on lifespan in a wild-derived mammal. <i>Biology Letters</i> , 2013, 9, 20130432.	1.0	48
108	Does occupational exposure to mineral fibres cause DNA or chromosome damage?. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 553, 103-110.	0.4	47

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109	Single-cell gel electrophoresis (the comet assay): Loops or fragments?. <i>Electrophoresis</i> , 2008, 29, 3005-3012.	1.3	47
110	Seasonal changes in markers of oxidative damage to lipids and DNA; correlations with seasonal variation in diet. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 551, 135-144.	0.4	46
111	The comet assay in animal models: From bugs to whales – (Part 2 Vertebrates). <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 781, 130-164.	2.4	46
112	The enzyme-modified comet assay: Past, present and future. <i>Food and Chemical Toxicology</i> , 2021, 147, 111865.	1.8	46
113	Increasing the resolution of the comet assay using fluorescent in situ hybridization--a review. <i>Mutagenesis</i> , 2009, 24, 383-389.	1.0	45
114	Harmonising measurements of 8-oxo-7,8-dihydro-2-deoxyguanosine in cellular DNA and urine. <i>Free Radical Research</i> , 2012, 46, 541-553.	1.5	45
115	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. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108371.	2.4	45
116	Oxidative Damage to DNA: Do We Have a Reliable Biomarker?. <i>Environmental Health Perspectives</i> , 1996, 104, 465.	2.8	44
117	Silver nanoparticles induce premutagenic DNA oxidation that can be prevented by phytochemicals from <i>Gentiana asclepiadea</i> . <i>Mutagenesis</i> , 2012, 27, 759-769.	1.0	43
118	How the 1932 and 1947 mental surveys of Aberdeen schoolchildren provide a framework to explore the childhood origins of late onset disease and disability. <i>Maturitas</i> , 2011, 69, 365-372.	1.0	42
119	A Genome Wide Meta-Analysis Study for Identification of Common Variation Associated with Breast Cancer Prognosis. <i>PLoS ONE</i> , 2014, 9, e101488.	1.1	42
120	Both genetic and dietary factors underlie individual differences in DNA damage levels and DNA repair capacity. <i>DNA Repair</i> , 2014, 16, 66-73.	1.3	42
121	DNA damage in lens epithelium of cataract patients <i>in vivo</i> and <i>ex vivo</i> . <i>Acta Ophthalmologica</i> , 2013, 91, 652-656.	0.6	41
122	Measurement of DNA damage with the comet assay in high-prevalence diseases: current status and future directions. <i>Mutagenesis</i> , 2020, 35, 5-18.	1.0	41
123	Measurement of DNA base and nucleotide excision repair activities in mammalian cells and tissues using the comet assay – A methodological overview. <i>DNA Repair</i> , 2013, 12, 1007-1010.	1.3	40
124	DNA repair as a human biomonitoring tool: Comet assay approaches. <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 781, 71-87.	2.4	40
125	DNA-damaging potential and glutathione depletion of 2-cyclohexene-1-one in mammalian cells, compared to food relevant 2-alkenals. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 497, 185-197.	0.9	38
126	The influence of sterilization with EmbioJet® Microwave Flow Pasteurizer on composition and bioactivity of aronia and blue-berried honeysuckle juices. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 880-888.	1.9	37

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127	DNA-repair measurements by use of the modified comet assay: An inter-laboratory comparison within the European Comet Assay Validation Group (ECVAG). <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 757, 60-67.	0.9	37
128	Critical factors to be considered when testing nanomaterials for genotoxicity with the comet assay. <i>Mutagenesis</i> , 2015, 30, 85-88.	1.0	37
129	On the search for an intelligible comet assay descriptor. <i>Frontiers in Genetics</i> , 2014, 5, 217.	1.1	36
130	Biological impact assessment of nanomaterial used in nanomedicine. Introduction to the NanoTEST project. <i>Nanotoxicology</i> , 2015, 9, 5-12.	1.6	36
131	DNA damage in circulating leukocytes measured with the comet assay may predict the risk of death. <i>Scientific Reports</i> , 2021, 11, 16793.	1.6	36
132	The Use of Bacterial Repair Endonucleases in the Comet Assay. <i>Methods in Molecular Biology</i> , 2011, 691, 137-147.	0.4	35
133	In vitro repair of oxidative and ultraviolet-induced DNA damage in supercoiled nucleoid DNA by human cell extract. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1994, 1219, 724-727.	2.4	34
134	Mapping Genes for Common Diseases: The Case for Genetic (LD) Maps. <i>Human Heredity</i> , 2004, 58, 2-9.	0.4	34
135	Does a vegetarian diet influence genomic stability?. <i>European Journal of Nutrition</i> , 2004, 43, 32-38.	1.8	34
136	An optimized comet-based in vitro DNA repair assay to assess base and nucleotide excision repair activity. <i>Nature Protocols</i> , 2020, 15, 3844-3878.	5.5	33
137	The genetics of breast cancer: risk factors for disease. <i>The Application of Clinical Genetics</i> , 2011, 4, 11.	1.4	32
138	Coffee and oxidative stress: a human intervention study. <i>European Journal of Nutrition</i> , 2018, 57, 533-544.	1.8	32
139	Potassium bromate as positive assay control for the Fpg-modified comet assay. <i>Mutagenesis</i> , 2020, 35, 341-348.	1.0	32
140	The use of FISH-comet to detect c-Myc and TP 53 damage in extended-term lymphocyte cultures treated with terbuthylazine and carbofuran. <i>Toxicology Letters</i> , 2012, 211, 62-69.	0.4	31
141	Vitamin D deficiency, oxidative stress and antioxidant status: only weak association seen in the absence of advanced age, obesity or pre-existing disease. <i>British Journal of Nutrition</i> , 2017, 118, 11-16.	1.2	31
142	Both base excision repair and nucleotide excision repair in humans are influenced by nutritional factors. <i>Cell Biochemistry and Function</i> , 2011, 29, 36-42.	1.4	30
143	Variation of DNA damage levels in peripheral blood mononuclear cells isolated in different laboratories. <i>Mutagenesis</i> , 2014, 29, 241-249.	1.0	30
144	Sensitive detection of DNA oxidation damage induced by nanomaterials. <i>Free Radical Biology and Medicine</i> , 2017, 107, 69-76.	1.3	30

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145	Detection of Alu sequences and mtDNA in comets using padlock probes. <i>Mutagenesis</i> , 2006, 21, 243-247.	1.0	29
146	Protection by <i>Salvia</i> Extracts Against Oxidative and Alkylation Damage to DNA in Human HCT15 and CO115 Cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 765-775.	1.1	29
147	Lifelong Î±-Tocopherol Supplementation Increases the Median Life Span of C57BL/6 Mice in the Cold but Has Only Minor Effects on Oxidative Damage. <i>Rejuvenation Research</i> , 2008, 11, 83-96.	0.9	28
148	Single-Cell Gel Electrophoresis Combined with Lesion-Specific Enzymes to Measure Oxidative Damage to DNA. <i>Methods in Cell Biology</i> , 2012, 112, 69-92.	0.5	28
149	Leucocytes isolated from simply frozen whole blood can be used in human biomonitoring for DNA damage measurement with the comet assay. <i>Cell Biochemistry and Function</i> , 2014, 32, 299-302.	1.4	28
150	Base excision repair capacity as a determinant of prognosis and therapy response in colon cancer patients. <i>DNA Repair</i> , 2018, 72, 77-85.	1.3	27
151	Occupational exposure to mineral fibres. Biomarkers of oxidative damage and antioxidant defence and associations with DNA damage and repair. <i>Mutagenesis</i> , 2008, 23, 249-260.	1.0	26
152	Evaluating phenotype-driven approaches for genetic diagnoses from exomes in a clinical setting. <i>Scientific Reports</i> , 2017, 7, 13509.	1.6	26
153	Antitumoral Effect of Phenazine $\times 5$, $\times 10$ -Dioxide Derivatives on Caco-2 Cells. <i>Chemical Research in Toxicology</i> , 2008, 21, 1578-1585.	1.7	25
154	Clinical significance of DNA methylation in chronic lymphocytic leukemia patients: results from 3 UK clinical trials. <i>Blood Advances</i> , 2019, 3, 2474-2481.	2.5	25
155	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. <i>Mutagenesis</i> , 2015, 30, 129-137.	1.0	24
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