

Michael Fenech

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

204
papers

18,870
citations

62
h-index

134
g-index

215
ext. papers

20,457
ext. citations

4.2
avg. IF

7.28
L-index

#	Paper	IF	Citations
204	The in vitro micronucleus technique. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000 , 455, 81-95	3.3	1675
203	Cytokinesis-block micronucleus cytome assay. <i>Nature Protocols</i> , 2007 , 2, 1084-104	18.8	1345
202	Measurement of micronuclei in lymphocytes. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1985 , 147, 29-36		1261
201	An increased micronucleus frequency in peripheral blood lymphocytes predicts the risk of cancer in humans. <i>Carcinogenesis</i> , 2007 , 28, 625-31	4.6	706
200	The cytokinesis-block micronucleus technique: a detailed description of the method and its application to genotoxicity studies in human populations. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1993 , 285, 35-44	3.3	674
199	Report from the in vitro micronucleus assay working group. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003 , 540, 153-63	3	461
198	Buccal micronucleus cytome assay. <i>Nature Protocols</i> , 2009 , 4, 825-37	18.8	386
197	The HUman MicroNucleus Project--An international collaborative study on the use of the micronucleus technique for measuring DNA damage in humans. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999 , 428, 271-83	3.3	378
196	Cytokinesis-block micronucleus method in human lymphocytes: effect of in vivo ageing and low dose X-irradiation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1986 , 161, 193-8	3.3	378
195	Cytokinesis-block micronucleus assay evolves into a "cytome" assay of chromosomal instability, mitotic dysfunction and cell death. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006 , 600, 58-66	3.3	348
194	HUman MicroNucleus project: international database comparison for results with the cytokinesis-block micronucleus assay in human lymphocytes: I. Effect of laboratory protocol, scoring criteria, and host factors on the frequency of micronuclei. <i>Environmental and Molecular Mutagenesis</i> , 2001 , 32, 21-45	3.2	344
193	The micronucleus assay in human buccal cells as a tool for biomonitoring DNA damage: the HUMN project perspective on current status and knowledge gaps. <i>Mutation Research - Reviews in Mutation Research</i> , 2008 , 659, 93-108	7	343
192	Micronuclei frequency in peripheral blood lymphocytes and cancer risk: evidence from human studies. <i>Mutagenesis</i> , 2011 , 26, 93-100	2.8	317
191	The role of folic acid and Vitamin B12 in genomic stability of human cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001 , 475, 57-67	3.3	298
190	A quantitative PCR method for measuring absolute telomere length. <i>Biological Procedures Online</i> , 2011 , 13, 3	8.3	265
189	Effect of smoking habit on the frequency of micronuclei in human lymphocytes: results from the Human MicroNucleus project. <i>Mutation Research - Reviews in Mutation Research</i> , 2003 , 543, 155-66	7	257
188	The effect of age, gender, diet and lifestyle on DNA damage measured using micronucleus frequency in human peripheral blood lymphocytes. <i>Mutagenesis</i> , 2011 , 26, 43-9	2.8	241

187	The HUman MicroNucleus project on eXfoLiated buccal cells (HUMN(XL)): the role of life-style, host factors, occupational exposures, health status, and assay protocol. <i>Mutation Research - Reviews in Mutation Research</i> , 2011 , 728, 88-97	7	232
186	Micronucleus induction and chromosome loss in transformed human white cells indicate clastogenic and aneugenic action of the cyanobacterial toxin, cylindrospermopsin. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000 , 472, 155-61	3	207
185	Micronuclei, nucleoplasmic bridges and nuclear buds induced in folic acid deficient human lymphocytes-evidence for breakage-fusion-bridge cycles in the cytokinesis-block micronucleus assay. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2002 , 504, 131-6	3.3	195
184	The advantages and disadvantages of the cytokinesis-block micronucleus method. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1997 , 392, 11-8	3	193
183	Chromosomal biomarkers of genomic instability relevant to cancer. <i>Drug Discovery Today</i> , 2002 , 7, 1128-83		193
182	Nutrigenetics and nutrigenomics: viewpoints on the current status and applications in nutrition research and practice. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2011 , 4, 69-89		192
181	Effects of surface chemistry on cytotoxicity, genotoxicity, and the generation of reactive oxygen species induced by ZnO nanoparticles. <i>Langmuir</i> , 2010 , 26, 15399-408	4	188
180	Telomere length in white blood cells, buccal cells and brain tissue and its variation with ageing and Alzheimer's disease. <i>Mechanisms of Ageing and Development</i> , 2008 , 129, 183-90	5.6	182
179	Folate (vitamin B9) and vitamin B12 and their function in the maintenance of nuclear and mitochondrial genome integrity. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012 , 733, 21-33	3.3	175
178	A quantitative real-time PCR method for absolute telomere length. <i>BioTechniques</i> , 2008 , 44, 807-9	2.5	169
177	Consumption of grape seed extract prevents amyloid-beta deposition and attenuates inflammation in brain of an Alzheimer's disease mouse. <i>Neurotoxicity Research</i> , 2009 , 15, 3-14	4.3	164
176	Nucleoplasmic bridges are a sensitive measure of chromosome rearrangement in the cytokinesis-block micronucleus assay. <i>Mutagenesis</i> , 2003 , 18, 187-94	2.8	162
175	γH2AX as a marker of DNA double strand breaks and genomic instability in human population studies. <i>Mutation Research - Reviews in Mutation Research</i> , 2013 , 753, 24-40	7	160
174	The micronucleus assay as a biological dosimeter of in vivo ionising radiation exposure. <i>Mutagenesis</i> , 2011 , 26, 11-7	2.8	157
173	Low intake of calcium, folate, nicotinic acid, vitamin E, retinol, beta-carotene and high intake of pantothenic acid, biotin and riboflavin are significantly associated with increased genome instability--results from a dietary intake and micronucleus index survey in South Australia. <i>Carcinogenesis</i> , 2005 , 26, 991-9	4.6	156
172	Intra- and inter-laboratory variation in the scoring of micronuclei and nucleoplasmic bridges in binucleated human lymphocytes. Results of an international slide-scoring exercise by the HUMN project. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003 , 534, 45-64	3	146
171	The HUMN and HUMNXL international collaboration projects on human micronucleus assays in lymphocytes and buccal cells--past, present and future. <i>Mutagenesis</i> , 2011 , 26, 239-45	2.8	137
170	Folic acid deficiency increases chromosomal instability, chromosome 21 aneuploidy and sensitivity to radiation-induced micronuclei. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005 , 578, 317-26	3.3	128

169	Methylenetetrahydrofolate reductase C677T polymorphism, folic acid and riboflavin are important determinants of genome stability in cultured human lymphocytes. <i>Journal of Nutrition</i> , 2004 , 134, 48-56	4.1	126
168	The HUMNxl scoring criteria for different cell types and nuclear anomalies in the buccal micronucleus cytome assay - an update and expanded photogallery. <i>Mutation Research - Reviews in Mutation Research</i> , 2013 , 753, 100-113	7	122
167	The Genome Health Clinic and Genome Health Nutrigenomics concepts: diagnosis and nutritional treatment of genome and epigenome damage on an individual basis. <i>Mutagenesis</i> , 2005 , 20, 255-69	2.8	121
166	The case for strategic international alliances to harness nutritional genomics for public and personal health. <i>British Journal of Nutrition</i> , 2005 , 94, 623-32	3.6	112
165	The buccal cytome and micronucleus frequency is substantially altered in Down's syndrome and normal ageing compared to young healthy controls. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008 , 638, 37-47	3.3	111
164	Human population studies with the exfoliated buccal micronucleus assay: statistical and epidemiological issues. <i>Mutation Research - Reviews in Mutation Research</i> , 2010 , 705, 11-9	7	109
163	Oral folic acid and vitamin B-12 supplementation to prevent cognitive decline in community-dwelling older adults with depressive symptoms--the Beyond Ageing Project: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 194-203	7	107
162	The Cytokinesis-Block Micronucleus Technique and Its Application to Genotoxicity Studies in Human Populations. <i>Environmental Health Perspectives</i> , 1993 , 101, 101	8.4	105
161	In vitro genotoxicity testing using the micronucleus assay in cell lines, human lymphocytes and 3D human skin models. <i>Mutagenesis</i> , 2011 , 26, 177-84	2.8	104
160	Association of micronucleus frequency with neurodegenerative diseases. <i>Mutagenesis</i> , 2011 , 26, 85-92	2.8	102
159	The role of zinc in genomic stability. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012 , 733, 111-21	3.3	101
158	The lymphocyte cytokinesis-block micronucleus cytome assay and its application in radiation biodosimetry. <i>Health Physics</i> , 2010 , 98, 234-43	2.3	99
157	Folate deficiency induces aneuploidy in human lymphocytes in vitro-evidence using cytokinesis-blocked cells and probes specific for chromosomes 17 and 21. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004 , 551, 167-80	3.3	85
156	Molecular mechanisms by which in vivo exposure to exogenous chemical genotoxic agents can lead to micronucleus formation in lymphocytes in vivo and ex vivo in humans. <i>Mutation Research - Reviews in Mutation Research</i> , 2016 , 770, 12-25	7	77
155	Chromosome 17 and 21 aneuploidy in buccal cells is increased with ageing and in Alzheimer's disease. <i>Mutagenesis</i> , 2008 , 23, 57-65	2.8	73
154	Buccal micronucleus cytome biomarkers may be associated with Alzheimer's disease. <i>Mutagenesis</i> , 2007 , 22, 371-9	2.8	72
153	Grape seed polyphenols and curcumin reduce genomic instability events in a transgenic mouse model for Alzheimer's disease. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009 , 661, 25-34	3.3	71
152	Inhalative exposure to vanadium pentoxide causes DNA damage in workers: results of a multiple end point study. <i>Environmental Health Perspectives</i> , 2008 , 116, 1689-93	8.4	68

151	Genome health nutrigenomics and nutrigenetics--diagnosis and nutritional treatment of genome damage on an individual basis. <i>Food and Chemical Toxicology</i> , 2008 , 46, 1365-70	4.7	67
150	The effects of GSTM1 and GSTT1 polymorphisms on micronucleus frequencies in human lymphocytes in vivo. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006 , 15, 1038-42	4	67
149	A comparison of lymphocyte micronuclei and plasma micronutrients in vegetarians and non-vegetarians. <i>Carcinogenesis</i> , 1995 , 16, 223-30	4.6	65
148	Folate and methionine metabolism in autism: a systematic review. <i>American Journal of Clinical Nutrition</i> , 2010 , 91, 1598-620	7	64
147	Chromosomal damage rate, aging, and diet. <i>Annals of the New York Academy of Sciences</i> , 1998 , 854, 23-36.5		64
146	Cytokinesis-blocked micronucleus cytome assay biomarkers identify lung cancer cases amongst smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008 , 17, 1111-9	4	63
145	Mussel micronucleus cytome assay. <i>Nature Protocols</i> , 2012 , 7, 1125-37	18.8	62
144	A more comprehensive application of the micronucleus technique for biomonitoring of genetic damage rates in human populations—experiences from the Chernobyl catastrophe 1997 , 30, 112-118		62
143	The micronucleus assay determination of chromosomal level DNA damage. <i>Methods in Molecular Biology</i> , 2008 , 410, 185-216	1.4	62
142	Genome-health nutrigenomics and nutrigenetics: nutritional requirements or nutrients for chromosomal stability and telomere maintenance at the individual level. <i>Proceedings of the Nutrition Society</i> , 2008 , 67, 146-56	2.9	62
141	Multiple origins of spontaneously arising micronuclei in HeLa cells: direct evidence from long-term live cell imaging. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008 , 646, 41-9	3.3	61
140	DNA melting and genotoxicity induced by silver nanoparticles and graphene. <i>Chemical Research in Toxicology</i> , 2015 , 28, 1023-35	4	60
139	Clinical application of micronucleus test in exfoliated buccal cells: A systematic review and meta-analysis. <i>Mutation Research - Reviews in Mutation Research</i> , 2015 , 766, 20-31	7	59
138	Does vitamin D protect against DNA damage?. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012 , 733, 50-7	3.3	58
137	Cytokinesis-block micronucleus cytome assay in lymphocytes. <i>Methods in Molecular Biology</i> , 2011 , 682, 217-34	1.4	58
136	Mental health literacy, folic acid and vitamin B12, and physical activity for the prevention of depression in older adults: randomised controlled trial. <i>British Journal of Psychiatry</i> , 2010 , 197, 45-54	5.4	58
135	Weight loss in obese men is associated with increased telomere length and decreased abasic sites in rectal mucosa. <i>Rejuvenation Research</i> , 2009 , 12, 169-76	2.6	57
134	Aleurone flour is a rich source of bioavailable folate in humans. <i>Journal of Nutrition</i> , 1999 , 129, 1114-9	4.1	57

133	Use of the lymphocyte cytokinesis-block micronucleus assay in occupational biomonitoring of genome damage caused by in vivo exposure to chemical genotoxins: Past, present and future. <i>Mutation Research - Reviews in Mutation Research</i> , 2016 , 770, 1-11	7	57
132	Folate, DNA damage and the aging brain. <i>Mechanisms of Ageing and Development</i> , 2010 , 131, 236-41	5.6	56
131	HUMN project initiative and review of validation, quality control and prospects for further development of automated micronucleus assays using image cytometry systems. <i>International Journal of Hygiene and Environmental Health</i> , 2013 , 216, 541-52	6.9	55
130	Folate, vitamin B12, vitamin B6 and homocysteine: impact on pregnancy outcome. <i>Maternal and Child Nutrition</i> , 2013 , 9, 155-66	3.4	54
129	Telomere shortening in elderly individuals with mild cognitive impairment may be attenuated with EB fatty acid supplementation: a randomized controlled pilot study. <i>Nutrition</i> , 2014 , 30, 489-91	4.8	53
128	Iron and genome stability: an update. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012 , 733, 92-9	3.3	53
127	hOGG1(326), XRCC1(399) and XRCC3(241) polymorphisms influence micronucleus frequencies in human lymphocytes in vivo. <i>Mutagenesis</i> , 2008 , 23, 35-41	2.8	52
126	Nutritional treatment of genome instability: a paradigm shift in disease prevention and in the setting of recommended dietary allowances. <i>Nutrition Research Reviews</i> , 2003 , 16, 109-22	7	48
125	Lab-on-a-chip-based high-throughput screening of the genotoxicity of engineered nanomaterials. <i>Small</i> , 2014 , 10, 2721-34	11	46
124	Zinc supplementation influences genomic stability biomarkers, antioxidant activity, and zinc transporter genes in an elderly Australian population with low zinc status. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1200-12	5.9	45
123	Reflections on the development of micronucleus assays. <i>Mutagenesis</i> , 2011 , 26, 3-10	2.8	45
122	A possible link between iron deficiency and gastrointestinal carcinogenesis. <i>Nutrition and Cancer</i> , 2009 , 61, 415-26	2.8	44
121	Moderate wine consumption protects against hydrogen peroxide-induced DNA damage. <i>Mutagenesis</i> , 1997 , 12, 289-96	2.8	44
120	Uracil in DNA, determined by an improved assay, is increased when deoxynucleosides are added to folate-deficient cultured human lymphocytes. <i>Analytical Biochemistry</i> , 2004 , 330, 58-69	3.1	44
119	Recommended dietary allowances (RDAs) for genomic stability. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001 , 480-481, 51-4	3.3	44
118	Micronucleus frequency in human lymphocytes is related to plasma vitamin B12 and homocysteine. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999 , 428, 299-304	3.3	43
117	Buccal micronucleus cytome assay: results of an intra- and inter-laboratory scoring comparison. <i>Mutagenesis</i> , 2015 , 30, 545-55	2.8	41
116	Colonocyte telomere shortening is greater with dietary red meat than white meat and is attenuated by resistant starch. <i>Clinical Nutrition</i> , 2012 , 31, 60-4	5.9	41

115	A review of genome mutation and Alzheimer's disease. <i>Mutagenesis</i> , 2007 , 22, 15-33	2.8	41
114	The Micronutrient Genomics Project: a community-driven knowledge base for micronutrient research. <i>Genes and Nutrition</i> , 2010 , 5, 285-96	4.3	40
113	A comparison of folic acid and 5-methyltetrahydrofolate for prevention of DNA damage and cell death in human lymphocytes in vitro. <i>Mutagenesis</i> , 2003 , 18, 81-6	2.8	40
112	Effect of dietary intervention on human micronucleus frequency in lymphocytes and buccal cells. <i>Mutagenesis</i> , 2011 , 26, 69-76	2.8	39
111	Genotoxicity and cytotoxicity of chromium, copper, manganese and lead, and their mixture in WIL2-NS human B lymphoblastoid cells is enhanced by folate depletion. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2016 , 798-799, 35-47	3	38
110	Genetic polymorphisms of genes involved in DNA repair and metabolism influence micronucleus frequencies in human peripheral blood lymphocytes. <i>Mutagenesis</i> , 2011 , 26, 33-42	2.8	38
109	A systematic review of the association between occupational exposure to formaldehyde and effects on chromosomal DNA damage measured using the cytokinesis-block micronucleus assay in lymphocytes. <i>Mutation Research - Reviews in Mutation Research</i> , 2016 , 770, 46-57	7	37
108	Buccal micronucleus cytome assay. <i>Methods in Molecular Biology</i> , 2011 , 682, 235-48	1.4	36
107	The principal phenolic and alcoholic components of wine protect human lymphocytes against hydrogen peroxide- and ionizing radiation-induced DNA damage in vitro. <i>Mutagenesis</i> , 2003 , 18, 119-26	2.8	36
106	Vitamins Associated with Brain Aging, Mild Cognitive Impairment, and Alzheimer Disease: Biomarkers, Epidemiological and Experimental Evidence, Plausible Mechanisms, and Knowledge Gaps. <i>Advances in Nutrition</i> , 2017 , 8, 958-970	10	35
105	Zinc deficiency or excess within the physiological range increases genome instability and cytotoxicity, respectively, in human oral keratinocyte cells. <i>Genes and Nutrition</i> , 2012 , 7, 139-54	4.3	35
104	A qPCR-based assay to quantify oxidized guanine and other FPG-sensitive base lesions within telomeric DNA. <i>BioTechniques</i> , 2011 , 51, 403-11	2.5	34
103	Micronuclei and their association with sperm abnormalities, infertility, pregnancy loss, pre-eclampsia and intra-uterine growth restriction in humans. <i>Mutagenesis</i> , 2011 , 26, 63-7	2.8	34
102	Telomere dynamics: the influence of folate and DNA methylation. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1229, 76-88	6.5	33
101	Laser scanning cytometry for automation of the micronucleus assay. <i>Mutagenesis</i> , 2011 , 26, 153-61	2.8	33
100	Micronucleus assay in human cells: lymphocytes and buccal cells. <i>Methods in Molecular Biology</i> , 2013 , 1044, 191-207	1.4	32
99	The effect of zinc sulphate and zinc carnosine on genome stability and cytotoxicity in the WIL2-NS human lymphoblastoid cell line. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011 , 720, 22-33	3	32
98	The fate of micronucleated cells post X-irradiation detected by live cell imaging. <i>DNA Repair</i> , 2011 , 10, 629-38	4.3	32

97	Increased consumption of wheat biofortified with selenium does not modify biomarkers of cancer risk, oxidative stress, or immune function in healthy Australian males. <i>Environmental and Molecular Mutagenesis</i> , 2009 , 50, 489-501	3.2	31
96	Micronuclei as biomarkers of DNA damage, aneuploidy, inducers of chromosomal hypermutation and as sources of pro-inflammatory DNA in humans. <i>Mutation Research - Reviews in Mutation Research</i> , 2020 , 786, 108342	7	30
95	Effect of common polymorphisms in folate uptake and metabolism genes on frequency of micronucleated lymphocytes in a South Australian cohort. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009 , 665, 1-6	3.3	29
94	Cytoprotective and pro-apoptotic activities of native Australian herbs polyphenolic-rich extracts. <i>Food Chemistry</i> , 2013 , 136, 9-17	8.5	27
93	The Australian fruit Illawarra plum (<i>Podocarpus elatus</i> Endl., Podocarpaceae) inhibits telomerase, increases histone deacetylase activity and decreases proliferation of colon cancer cells. <i>British Journal of Nutrition</i> , 2013 , 109, 2117-25	3.6	27
92	Iron intake, red cell indicators of iron status, and DNA damage in young subjects. <i>Nutrition</i> , 2011 , 27, 293-7	4.8	27
91	Lymphocytes of BRCA1 and BRCA2 germ-line mutation carriers, with or without breast cancer, are not abnormally sensitive to the chromosome damaging effect of moderate folate deficiency. <i>Carcinogenesis</i> , 2006 , 27, 517-24	4.6	27
90	Aleurone flour increases red-cell folate and lowers plasma homocyst(e)ine substantially in man. <i>British Journal of Nutrition</i> , 2005 , 93, 353-60	3.6	27
89	Micronucleus formation detected by live-cell imaging. <i>Mutagenesis</i> , 2011 , 26, 133-8	2.8	26
88	Size-dependent cytotoxicity and genotoxicity of ZnO particles to human lymphoblastoid (WIL2-NS) cells. <i>Environmental and Molecular Mutagenesis</i> , 2015 , 56, 767-76	3.2	25
87	Current status, new frontiers and challenges in radiation biodosimetry using cytogenetic, transcriptomic and proteomic technologies. <i>Radiation Measurements</i> , 2011 , 46, 737-741	1.5	25
86	Harmonisation of the micronucleus assay in human buccal cells--a Human Micronucleus (HUMN) project (www.humn.org) initiative commencing in 2007. <i>Mutagenesis</i> , 2007 , 22, 3-4	2.8	25
85	Plasma micronutrient levels and telomere length in children. <i>Nutrition</i> , 2015 , 31, 331-6	4.8	24
84	Biomarkers of Alzheimer's disease risk in peripheral tissues; focus on buccal cells. <i>Current Alzheimer Research</i> , 2014 , 11, 519-31	3	24
83	Altered cytological parameters in buccal cells from individuals with mild cognitive impairment and Alzheimer's disease. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014 , 85, 698-708	4.6	24
82	Sorted cell microarrays as platforms for high-content informational bioassays. <i>Lab on A Chip</i> , 2010 , 10, 3413-21	7.2	24
81	Micronucleus assay with urine derived cells (UDC): a review of its application in human studies investigating genotoxin exposure and bladder cancer risk. <i>Mutation Research - Reviews in Mutation Research</i> , 2014 , 762, 37-51	7	23
80	Workers exposed to wood dust have an increased micronucleus frequency in nasal and buccal cells: results from a pilot study. <i>Mutagenesis</i> , 2014 , 29, 201-7	2.8	23

79	In vitro micronucleus technique to predict chemosensitivity. <i>Methods in Molecular Medicine</i> , 2005 , 111, 3-32		23
78	n-3 Fatty Acid Supplementation and Leukocyte Telomere Length in Patients with Chronic Kidney Disease. <i>Nutrients</i> , 2016 , 8, 175	6.7	23
77	Inter-laboratory consistency and variability in the buccal micronucleus cytome assay depends on biomarker scored and laboratory experience: results from the HUMNxl international inter-laboratory scoring exercise. <i>Mutagenesis</i> , 2017 , 32, 257-266	2.8	23
76	Role of PON1, SOD2, OGG1, XRCC1, and XRCC4 polymorphisms on modulation of DNA damage in workers occupationally exposed to pesticides. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 159, 164-171	7.1	22
75	No clear potentiation of antidepressant medication effects by folic acid+vitamin B12 in a large community sample. <i>Journal of Affective Disorders</i> , 2011 , 130, 37-45	6.6	22
74	Chronic alcohol exposure induces genome damage measured using the cytokinesis-block micronucleus cytome assay and aneuploidy in human B lymphoblastoid cell lines. <i>Mutagenesis</i> , 2011 , 26, 421-9	2.8	22
73	Chromosomal DNA damage measured using the cytokinesis-block micronucleus cytome assay is significantly associated with cognitive impairment in South Australians. <i>Environmental and Molecular Mutagenesis</i> , 2015 , 56, 32-40	3.2	21
72	Validity of the Lymphocyte Cytokinesis-Block Micronucleus Assay (L-CBMN) as biomarker for human exposure to chemicals with different modes of action: A synthesis of systematic reviews. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018 , 836, 47-52	3	21
71	The association between personal sun exposure, serum vitamin D and global methylation in human lymphocytes in a population of healthy adults in South Australia. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014 , 765, 6-10	3.3	21
70	Methylenetetrahydrofolate reductase, common polymorphisms, and relation to disease. <i>Vitamins and Hormones</i> , 2008 , 79, 375-92	2.5	21
69	Methionine-dependence phenotype in the de novo pathway in BRCA1 and BRCA2 mutation carriers with and without breast cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008 , 17, 2565-71	4	21
68	Cytokinesis-Block Micronucleus Cytome Assay Evolution into a More Comprehensive Method to Measure Chromosomal Instability. <i>Genes</i> , 2020 , 11,	4.2	21
67	The interactive effect of alcohol and folic acid on genome stability in human WIL2-NS cells measured using the cytokinesis-block micronucleus cytome assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008 , 657, 32-8	3	19
66	Cytotoxicity and genotoxicity of orthodontic bands with or without silver soldered joints. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014 , 762, 1-8	3	18
65	Estimating the lowest detectable dose of ionizing radiation by the cytokinesis-block micronucleus assay. <i>Radiation Research</i> , 2013 , 180, 284-91	3.1	18
64	Genotoxicity and cytotoxicity of the plasma jet-treated medium on lymphoblastoid WIL2-NS cell line using the cytokinesis block micronucleus cytome assay. <i>Scientific Reports</i> , 2017 , 7, 3854	4.9	18
63	Consensus statement understanding health and malnutrition through a systems approach: the ENOUGH program for early life. <i>Genes and Nutrition</i> , 2014 , 9, 378	4.3	17
62	Automation of the buccal micronucleus cytome assay using laser scanning cytometry. <i>Methods in Cell Biology</i> , 2011 , 102, 321-39	1.8	17

61	A lifetime passion for micronucleus cytome assays--reflections from Down Under. <i>Mutation Research - Reviews in Mutation Research</i> , 2009 , 681, 111-117	7	17
60	Nutrition and genome health. <i>Forum of Nutrition</i> , 2007 , 60, 49-65		17
59	A comparison of folic acid deficiency-induced genomic instability in lymphocytes of breast cancer patients and normal non-cancer controls from a Chinese population in Yunnan. <i>Mutagenesis</i> , 2006 , 21, 41-7	2.8	17
58	Potential role of folate in pre-eclampsia. <i>Nutrition Reviews</i> , 2015 , 73, 694-722	6.4	16
57	Micronucleus induction in cytokinesis-blocked mouse bone marrow cells in vitro following in vivo exposure to X-irradiation and cyclophosphamide. <i>Environmental and Molecular Mutagenesis</i> , 1994 , 24, 61-7	3.2	16
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