

Sabine A Langie

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

3,156
citations

147801

31
h-index

155660

55
g-index

65
all docs

65
docs citations

65
times ranked

5121
citing authors

#	ARTICLE	IF	CITATIONS
1	A pooled analysis of molecular epidemiological studies on modulation of DNA repair by host factors. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 876-877, 503447.	1.7	2
2	Methylome-wide analysis of IVF neonates that underwent embryo culture in different media revealed no significant differences. <i>Npj Genomic Medicine</i> , 2022, 7, .	3.8	4
3	Diagnostic characterization of respiratory allergies by means of a multiplex immunoassay. <i>Clinical and Experimental Immunology</i> , 2021, 203, 183-193.	2.6	2
4	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.	5.5	45
5	Collection and storage of human white blood cells for analysis of DNA damage and repair activity using the comet assay in molecular epidemiology studies. <i>Mutagenesis</i> , 2021, 36, 193-212.	2.6	20
6	Different epigenetic signatures of newborn telomere length and telomere attrition rate in early life. <i>Aging</i> , 2021, 13, 14630-14650.	3.1	13
7	DNA damage in circulating leukocytes measured with the comet assay may predict the risk of death. <i>Scientific Reports</i> , 2021, 11, 16793.	3.3	36
8	Upregulation of mNEIL3 in Ogg1-null cells is a potential backup mechanism for 8-oxoG repair. <i>Mutagenesis</i> , 2021, 36, 437-444.	2.6	1
9	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.	12.0	33
10	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.	12.0	189
11	Regenerative responses following DNA damage: β -catenin mediates head regrowth in the planarian <i>Schmidtea mediterranea</i> . <i>Journal of Cell Science</i> , 2020, 133, .	2.0	3
12	Potassium bromate as positive assay control for the Fpg-modified comet assay. <i>Mutagenesis</i> , 2020, 35, 341-348.	2.6	32
13	The Influence of the Duration of Breastfeeding on the Infant's Metabolic Epigenome. <i>Nutrients</i> , 2019, 11, 1408.	4.1	29
14	The enzyme-modified comet assay: Enzyme incubation step in 2 vs 12-gels/slide systems. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 845, 402981.	1.7	14
15	Impact of Weight Loss Strategies on Obesity-Induced DNA Damage. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1900045.	3.3	17
16	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. <i>Nature Communications</i> , 2019, 10, 1893.	12.8	140
17	DNA repair as a human biomonitoring tool: Comet assay approaches. <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 781, 71-87.	5.5	40
18	<i>In vivo</i> Toxicity Assessment of Silver Nanoparticles in Homeostatic versus Regenerating Planarians. <i>Nanotoxicology</i> , 2019, 13, 476-491.	3.0	21

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19	DNA methylation and the hygiene hypothesis: connecting respiratory allergy and childhood acute lymphoblastic leukemia. <i>Epigenomics</i> , 2019, 11, 1519-1537.	2.1	4
20	The comet assay in human biomonitoring: cryopreservation of whole blood and comparison with isolated mononuclear cells. <i>Mutagenesis</i> , 2018, 33, 41-47.	2.6	25
21	GLI2 promoter hypermethylation in saliva of children with a respiratory allergy. <i>Clinical Epigenetics</i> , 2018, 10, 50.	4.1	19
22	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , 2018, 47, 22-23u.	1.9	105
23	Impact of obesity and overweight on DNA stability: Few facts and many hypotheses. <i>Mutation Research - Reviews in Mutation Research</i> , 2018, 777, 64-91.	5.5	61
24	Maternal intake of methyl-group donors affects DNA methylation of metabolic genes in infants. <i>Clinical Epigenetics</i> , 2017, 9, 16.	4.1	129
25	The effect of paternal methyl-group donor intake on offspring DNA methylation and birth weight. <i>Journal of Developmental Origins of Health and Disease</i> , 2017, 8, 311-321.	1.4	21
26	Salivary <scp>DNA</scp> Methylation Profiling: Aspects to Consider for Biomarker Identification. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 121, 93-101.	2.5	56
27	RELIC: a novel dye-bias correction method for Illumina Methylation BeadChip. <i>BMC Genomics</i> , 2017, 18, 4.	2.8	96
28	Dietary and supplemental maternal methyl-group donor intake and cord blood DNA methylation. <i>Epigenetics</i> , 2017, 12, 1-10.	2.7	112
29	The Ageing Brain: Effects on DNA Repair and DNA Methylation in Mice. <i>Genes</i> , 2017, 8, 75.	2.4	28
30	Whole-Genome Saliva and Blood DNA Methylation Profiling in Individuals with a Respiratory Allergy. <i>PLoS ONE</i> , 2016, 11, e0151109.	2.5	44
31	A child's spit epigenome can reveal its respiratory allergy risk. , 2016, , .		0
32	The comet assay: past, present, and future. <i>Frontiers in Genetics</i> , 2015, 6, 266.	2.3	103
33	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015, 36, S254-S296.	2.8	239
34	Causes of genome instability: the effect of low dose chemical exposures in modern society. <i>Carcinogenesis</i> , 2015, 36, S61-S88.	2.8	149
35	Functional evaluation of DNA repair in human biopsies and their relation to other cellular biomarkers. <i>Frontiers in Genetics</i> , 2014, 5, 116.	2.3	13
36	Comet assay to measure DNA repair: approach and applications. <i>Frontiers in Genetics</i> , 2014, 5, 288.	2.3	130

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37	Metabolic effects of a high-fat diet post-weaning after low maternal dietary folate during pregnancy and lactation. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1087-1097.	3.3	24
38	Redox and epigenetic regulation of the APE1 gene in the hippocampus of piglets: The effect of early life exposures. <i>DNA Repair</i> , 2014, 18, 52-62.	2.8	15
39	A Standardized Protocol for the In Vitro Comet-Based DNA Repair Assay. <i>Methods in Pharmacology and Toxicology</i> , 2014, , 377-395.	0.2	3
40	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.	1.7	37
41	Maternal folate depletion and high-fat feeding from weaning affects DNA methylation and DNA repair in brain of adult offspring. <i>FASEB Journal</i> , 2013, 27, 3323-3334.	0.5	73
42	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.	2.8	40
43	Tissue differences in BER-related incision activity and non-specific nuclease activity as measured by the comet assay. <i>Mutagenesis</i> , 2013, 28, 673-681.	2.6	10
44	Epigenetic regulation of DNA base excision repair during ageing and dietary restriction. <i>Proceedings of the Nutrition Society</i> , 2013, 72, .	1.0	0
45	Comparison of Methods for Quantification of Global DNA Methylation in Human Cells and Tissues. <i>PLoS ONE</i> , 2013, 8, e79044.	2.5	143
46	The effect of ageing and short-term dietary restriction on the epigenetic, transcriptomic and phenotypic profile of base excision repair in mouse brain and liver. <i>Proceedings of the Nutrition Society</i> , 2012, 71, .	1.0	1
47	Early determinants of the ageing trajectory. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2012, 26, 613-626.	4.7	39
48	Effects of micronutrients on DNA repair. <i>European Journal of Nutrition</i> , 2012, 51, 261-279.	3.9	63
49	Measuring DNA repair incision activity of mouse tissue extracts towards singlet oxygen-induced DNA damage: a comet-based in vitro repair assay. <i>Mutagenesis</i> , 2011, 26, 461-471.	2.6	39
50	Modulation of nucleotide excision repair in human lymphocytes by genetic and dietary factors. <i>British Journal of Nutrition</i> , 2010, 103, 490-501.	2.3	34
51	The effect of early-life nutrition on DNA repair and DNA methylation in the brain of newborn piglets. <i>Proceedings of the Nutrition Society</i> , 2010, 69, .	1.0	0
52	An ECVAG trial on assessment of oxidative damage to DNA measured by the comet assay. <i>Mutagenesis</i> , 2010, 25, 125-132.	2.6	99
53	Variation in the measurement of DNA damage by comet assay measured by the ECVAG inter-laboratory validation trial. <i>Mutagenesis</i> , 2010, 25, 113-123.	2.6	155
54	The effect of oxidative stress on nucleotide-excision repair in colon tissue of newborn piglets. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 695, 75-80.	1.7	39

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55	Adult-onset, short-term dietary restriction reduces cell senescence in mice. <i>Aging</i> , 2010, 2, 555-566.	3.1	116
56	Formation of lysine 63-linked poly-ubiquitin chains protects human lung cells against benzo[a]pyrene-diol-epoxide-induced mutagenicity. <i>DNA Repair</i> , 2007, 6, 852-862.	2.8	11
57	The role of glutathione in the regulation of nucleotide excision repair during oxidative stress. <i>Toxicology Letters</i> , 2007, 168, 302-309.	0.8	63
58	Redox-dependent regulation of nucleotide excision repair. <i>Toxicology Letters</i> , 2006, 164, S264-S265.	0.8	0
59	Development and validation of a modified comet assay to phenotypically assess nucleotide excision repair. <i>Mutagenesis</i> , 2006, 21, 153-158.	2.6	81