

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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Causes of genome instability: the effect of low dose chemical exposures in modern society. <i>Carcinogenesis</i> , 2015, 36, S61-S88. | 2.8 | 149 |
| 5 | Comparison of Methods for Quantification of Global DNA Methylation in Human Cells and Tissues. <i>PLoS ONE</i> , 2013, 8, e79044. | 2.5 | 143 |
| 6 | 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 |
| 7 | Comet assay to measure DNA repair: approach and applications. <i>Frontiers in Genetics</i> , 2014, 5, 288. | 2.3 | 130 |
| 8 | Maternal intake of methyl-group donors affects DNA methylation of metabolic genes in infants. <i>Clinical Epigenetics</i> , 2017, 9, 16. | 4.1 | 129 |
| 9 | Adult-onset, short-term dietary restriction reduces cell senescence in mice. <i>Aging</i> , 2010, 2, 555-566. | 3.1 | 116 |
| 10 | Dietary and supplemental maternal methyl-group donor intake and cord blood DNA methylation. <i>Epigenetics</i> , 2017, 12, 1-10. | 2.7 | 112 |
| 11 | Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , 2018, 47, 22-23u. | 1.9 | 105 |
| 12 | The comet assay: past, present, and future. <i>Frontiers in Genetics</i> , 2015, 6, 266. | 2.3 | 103 |
| 13 | 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 |
| 14 | RELIC: a novel dye-bias correction method for Illumina Methylation BeadChip. <i>BMC Genomics</i> , 2017, 18, 4. | 2.8 | 96 |
| 15 | Development and validation of a modified comet assay to phenotypically assess nucleotide excision repair. <i>Mutagenesis</i> , 2006, 21, 153-158. | 2.6 | 81 |
| 16 | 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 |
| 17 | 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 |
| 18 | Effects of micronutrients on DNA repair. <i>European Journal of Nutrition</i> , 2012, 51, 261-279. | 3.9 | 63 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Impact of obesity and overweight on DNA stability: Few facts and many hypotheses. Mutation Research - Reviews in Mutation Research, 2018, 777, 64-91. | 5.5 | 61 |
| 20 | Salivary <scp>DNA</scp> Methylation Profiling: Aspects to Consider for Biomarker Identification. Basic and Clinical Pharmacology and Toxicology, 2017, 121, 93-101. | 2.5 | 56 |
| 21 | 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. | 5.5 | 45 |
| 22 | Whole-Genome Saliva and Blood DNA Methylation Profiling in Individuals with a Respiratory Allergy. PLoS ONE, 2016, 11, e0151109. | 2.5 | 44 |
| 23 | Measurement of DNA base and nucleotide excision repair activities in mammalian cells and tissues using the comet assay " A methodological overview. DNA Repair, 2013, 12, 1007-1010. | 2.8 | 40 |
| 24 | DNA repair as a human biomonitoring tool: Comet assay approaches. Mutation Research - Reviews in Mutation Research, 2019, 781, 71-87. | 5.5 | 40 |
| 25 | The effect of oxidative stress on nucleotide-excision repair in colon tissue of newborn piglets. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 695, 75-80. | 1.7 | 39 |
| 26 | Measuring DNA repair incision activity of mouse tissue extracts towards singlet oxygen-induced DNA damage: a comet-based in vitro repair assay. Mutagenesis, 2011, 26, 461-471. | 2.6 | 39 |
| 27 | Early determinants of the ageing trajectory. Best Practice and Research in Clinical Endocrinology and Metabolism, 2012, 26, 613-626. | 4.7 | 39 |
| 28 | 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. | 1.7 | 37 |
| 29 | DNA damage in circulating leukocytes measured with the comet assay may predict the risk of death. Scientific Reports, 2021, 11, 16793. | 3.3 | 36 |
| 30 | Modulation of nucleotide excision repair in human lymphocytes by genetic and dietary factors. British Journal of Nutrition, 2010, 103, 490-501. | 2.3 | 34 |
| 31 | An optimized comet-based in vitro DNA repair assay to assess base and nucleotide excision repair activity. Nature Protocols, 2020, 15, 3844-3878. | 12.0 | 33 |
| 32 | Potassium bromate as positive assay control for the Fpg-modified comet assay. Mutagenesis, 2020, 35, 341-348. | 2.6 | 32 |
| 33 | The Influence of the Duration of Breastfeeding on the Infant's Metabolic Epigenome. Nutrients, 2019, 11, 1408. | 4.1 | 29 |
| 34 | The Ageing Brain: Effects on DNA Repair and DNA Methylation in Mice. Genes, 2017, 8, 75. | 2.4 | 28 |
| 35 | The comet assay in human biomonitoring: cryopreservation of whole blood and comparison with isolated mononuclear cells. Mutagenesis, 2018, 33, 41-47. | 2.6 | 25 |
| 36 | Metabolic effects of a high-fat diet post-weaning after low maternal dietary folate during pregnancy and lactation. Molecular Nutrition and Food Research, 2014, 58, 1087-1097. | 3.3 | 24 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | <i>In vivo</i> Toxicity Assessment of Silver Nanoparticles in Homeostatic versus Regenerating Planarians. <i>Nanotoxicology</i> , 2019, 13, 476-491. | 3.0 | 21 |
| 39 | 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 |
| 40 | GLI2 promoter hypermethylation in saliva of children with a respiratory allergy. <i>Clinical Epigenetics</i> , 2018, 10, 50. | 4.1 | 19 |
| 41 | Impact of Weight Loss Strategies on Obesity-Induced DNA Damage. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1900045. | 3.3 | 17 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | Different epigenetic signatures of newborn telomere length and telomere attrition rate in early life. <i>Aging</i> , 2021, 13, 14630-14650. | 3.1 | 13 |
| 46 | 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 |
| 47 | 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 |
| 48 | DNA methylation and the hygiene hypothesis: connecting respiratory allergy and childhood acute lymphoblastic leukemia. <i>Epigenomics</i> , 2019, 11, 1519-1537. | 2.1 | 4 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | Diagnostic characterization of respiratory allergies by means of a multiplex immunoassay. <i>Clinical and Experimental Immunology</i> , 2021, 203, 183-193. | 2.6 | 2 |
| 53 | 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 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | Redox-dependent regulation of nucleotide excision repair. <i>Toxicology Letters</i> , 2006, 164, S264-S265. | 0.8 | 0 |
| 57 | 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 |
| 58 | Epigenetic regulation of DNA base excision repair during ageing and dietary restriction. <i>Proceedings of the Nutrition Society</i> , 2013, 72, . | 1.0 | 0 |
| 59 | A child's spit epigenome can reveal its respiratory allergy risk. , 2016, , . | | 0 |