

Stephen G R Barnard

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,302
citations

361296

20
h-index

395590

33
g-index

36
all docs

36
docs citations

36
times ranked

1437
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Individual response of the ocular lens to ionizing radiation. <i>International Journal of Radiation Biology</i> , 2023, 99, 138-154. | 1.0 | 7 |
| 2 | The future of biological dosimetry in mass casualty radiation emergency response, personalized radiation risk estimation and space radiation protection. <i>International Journal of Radiation Biology</i> , 2022, 98, 421-427. | 1.0 | 9 |
| 3 | RENEB/EURADOS field exercise 2019: robust dose estimation under outdoor conditions based on the dicentric chromosome assay. <i>International Journal of Radiation Biology</i> , 2021, 97, 1181-1198. | 1.0 | 17 |
| 4 | Sensitivity and latency of ionising radiation-induced cataract. <i>Experimental Eye Research</i> , 2021, 212, 108772. | 1.2 | 9 |
| 5 | Early Responses to Low-Dose Ionizing Radiation in Cellular Lens Epithelial Models. <i>Radiation Research</i> , 2021, 197, . | 0.7 | 5 |
| 6 | Radiation Biomarkers in Large Scale Human Health Effects Studies. <i>Journal of Personalized Medicine</i> , 2020, 10, 155. | 1.1 | 4 |
| 7 | A Simplified Calyculin A-Induced Premature Chromosome Condensation (PCC) Protocol for the Biodosimetric Analysis of High-Dose Exposure to Gamma Radiation. <i>Radiation Research</i> , 2020, 193, 560. | 0.7 | 6 |
| 8 | Inverse dose-rate effect of ionising radiation on residual 53BP1 foci in the eye lens. <i>Scientific Reports</i> , 2019, 9, 10418. | 1.6 | 31 |
| 9 | Scoring rings in the cell fusion-induced premature chromosome condensation (PCC) assay for high dose radiation exposure estimation after gamma-ray exposure. <i>International Journal of Radiation Biology</i> , 2019, 95, 1259-1267. | 1.0 | 8 |
| 10 | A statistical framework for radiation dose estimation with uncertainty quantification from the γ -H2AX assay. <i>PLoS ONE</i> , 2018, 13, e0207464. | 1.1 | 14 |
| 11 | Dicentric Dose Estimates for Patients Undergoing Radiotherapy in the RTGene Study to Assess Blood Dosimetric Models and the New Bayesian Method for Gradient Exposure. <i>Radiation Research</i> , 2018, 190, 596. | 0.7 | 9 |
| 12 | Dotting the eyes: mouse strain dependency of the lens epithelium to low dose radiation-induced DNA damage. <i>International Journal of Radiation Biology</i> , 2018, 94, 1116-1124. | 1.0 | 12 |
| 13 | On the Use of Random Effect Models for Radiation Biodosimetry. <i>Trends in Mathematics</i> , 2017, , 89-94. | 0.1 | 0 |
| 14 | Investigation of the influence of calibration practices on cytogenetic laboratory performance for dose estimation. <i>International Journal of Radiation Biology</i> , 2017, 93, 118-126. | 1.0 | 22 |
| 15 | The second gamma-H2AX assay inter-comparison exercise carried out in the framework of the European biodosimetry network (RENEB). <i>International Journal of Radiation Biology</i> , 2017, 93, 58-64. | 1.0 | 46 |
| 16 | RENEB intercomparison exercises analyzing micronuclei (Cytokinesis-block Micronucleus Assay). <i>International Journal of Radiation Biology</i> , 2017, 93, 36-47. | 1.0 | 49 |
| 17 | Integration of new biological and physical retrospective dosimetry methods into EU emergency response plans – joint RENEB and EURADOS inter-laboratory comparisons. <i>International Journal of Radiation Biology</i> , 2017, 93, 99-109. | 1.0 | 48 |
| 18 | Super-Resolution Nanoscopy Imaging Applied to DNA Double-Strand Breaks. <i>Radiation Research</i> , 2017, 189, 19. | 0.7 | 10 |

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|----|---|-----|-----------|
| 19 | Ionizing radiation induced cataracts: Recent biological and mechanistic developments and perspectives for future research. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 238-261. | 2.4 | 105 |
| 20 | Radiation protection of the eye lens in medical workers—basis and impact of the ICRP recommendations. <i>British Journal of Radiology</i> , 2016, 89, 20151034. | 1.0 | 38 |
| 21 | Nonlinear ionizing radiation-induced changes in eye lens cell proliferation, cyclin D1 expression and lens shape. <i>Open Biology</i> , 2015, 5, 150011. | 1.5 | 42 |
| 22 | Realising the European network of biodosimetry: RENEB—status quo. <i>Radiation Protection Dosimetry</i> , 2015, 164, 42-45. | 0.4 | 41 |
| 23 | <scp>DNA</scp> damage foci: Meaning and significance. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 491-504. | 0.9 | 254 |
| 24 | The first gamma-H2AX biodosimetry intercomparison exercise of the developing European biodosimetry network RENEB. <i>Radiation Protection Dosimetry</i> , 2015, 164, 265-270. | 0.4 | 62 |
| 25 | Inter- and intra-laboratory comparison of a multibiodosimetric approach to triage in a simulated, large scale radiation emergency. <i>International Journal of Radiation Biology</i> , 2014, 90, 193-202. | 1.0 | 44 |
| 26 | Is a semi-automated approach indicated in the application of the automated micronucleus assay for triage purposes?. <i>Radiation Protection Dosimetry</i> , 2014, 159, 87-94. | 0.4 | 32 |
| 27 | Multibiodose Radiation Emergency Triage Categorization Software. <i>Health Physics</i> , 2014, 107, 83-89. | 0.3 | 9 |
| 28 | Validation of Semi-automatic Scoring of Dicentric Chromosomes after Simulation of Three Different Irradiation Scenarios. <i>Health Physics</i> , 2014, 106, 764-771. | 0.3 | 22 |
| 29 | Web-based scoring of the dicentric assay, a collaborative biodosimetric scoring strategy for population triage in large scale radiation accidents. <i>Radiation and Environmental Biophysics</i> , 2014, 53, 241-254. | 0.6 | 25 |
| 30 | Gamma-H2AX biodosimetry for use in large scale radiation incidents: comparison of a rapid γ well lyse/fix™ protocol with a routine method. <i>PeerJ</i> , 2014, 2, e282. | 0.9 | 41 |
| 31 | The shape of the radiation dose response for DNA double-strand break induction and repair. <i>Genome Integrity</i> , 2013, 4, 1. | 1.0 | 64 |
| 32 | Manual versus automated γ -H2AX foci analysis across five European laboratories: Can this assay be used for rapid biodosimetry in a large scale radiation accident?. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 756, 170-173. | 0.9 | 60 |
| 33 | Combined Analysis of Gamma-H2AX/53BP1 Foci and Caspase Activation in Lymphocyte Subsets Detects Recent and More Remote Radiation Exposures. <i>Radiation Research</i> , 2013, 180, 603-609. | 0.7 | 26 |
| 34 | Gamma-H2AX-Based Dose Estimation for Whole and Partial Body Radiation Exposure. <i>PLoS ONE</i> , 2011, 6, e25113. | 1.1 | 131 |