Stephen G R Barnard

List of Publications by Year
in descending order

34	1,302	361296	395590
papers	citations	20 h-index	33 g-index

36	36	36	1437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	<scp>DNA</scp> damage foci: Meaning and significance. Environmental and Molecular Mutagenesis, 2015, 56, 491-504.	0.9	254
2	Gamma-H2AX-Based Dose Estimation for Whole and Partial Body Radiation Exposure. PLoS ONE, 2011, 6, e25113.	1.1	131
3	Ionizing radiation induced cataracts: Recent biological and mechanistic developments and perspectives for future research. Mutation Research - Reviews in Mutation Research, 2016, 770, 238-261.	2.4	105
4	The shape of the radiation dose response for DNA double-strand break induction and repair. Genome Integrity, 2013, 4, 1.	1.0	64
5	The first gamma-H2AX biodosimetry intercomparison exercise of the developing European biodosimetry network RENEB. Radiation Protection Dosimetry, 2015, 164, 265-270.	0.4	62
6	Manual versus automated Î³-H2AX foci analysis across five European laboratories: Can this assay be used for rapid biodosimetry in a large scale radiation accident?. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 756, 170-173.	0.9	60
7	RENEB intercomparison exercises analyzing micronuclei (Cytokinesis-block Micronucleus Assay). International Journal of Radiation Biology, 2017, 93, 36-47.	1.0	49
8	Integration of new biological and physical retrospective dosimetry methods into EU emergency response plans â€“ joint RENEB and EURADOS inter-laboratory comparisons. International Journal of Radiation Biology, 2017, 93, 99-109.	1.0	48
9	The second gamma-H2AX assay inter-comparison exercise carried out in the framework of the European biodosimetry network (RENEB). International Journal of Radiation Biology, 2017, 93, 58-64.	1.0	46
10	Inter- and intra-laboratory comparison of a multibiodosimetric approach to triage in a simulated, large scale radiation emergency. International Journal of Radiation Biology, 2014, 90, 193-202.	1.0	44
11	Nonlinear ionizing radiation-induced changes in eye lens cell proliferation, cyclin D1 expression and lens shape. Open Biology, 2015, 5, 150011.	1.5	42
12	Realising the European network of biodosimetry: RENEB--status quo. Radiation Protection Dosimetry, 2015, 164, 42-45.	0.4	41
13	Gamma-H2AX biodosimetry for use in large scale radiation incidents: comparison of a rapid â€˜96 well lyse/fixâ€™ protocol with a routine method. PeerJ, 2014, 2, e282.	0.9	41
14	Radiation protection of the eye lens in medical workersâ€”basis and impact of the ICRP recommendations. British Journal of Radiology, 2016, 89, 20151034.	1.0	38
15	Is a semi-automated approach indicated in the application of the automated micronucleus assay for triage purposes?. Radiation Protection Dosimetry, 2014, 159, 87-94.	0.4	32
16	Inverse dose-rate effect of ionising radiation on residual 53BP1 foci in the eye lens. Scientific Reports, 2019, 9, 10418.	1.6	31
17	Combined Analysis of Gamma-H2AX/53BP1 Foci and Caspase Activation in Lymphocyte Subsets Detects Recent and More Remote Radiation Exposures. Radiation Research, 2013, 180, 603-609.	0.7	26
18	Web-based scoring of the dicentric assay, a collaborative biodosimetric scoring strategy for population triage in large scale radiation accidents. Radiation and Environmental Biophysics, 2014, 53, 241-254.	0.6	25

#	Article	IF	Citations
19	Validation of Semi-automatic Scoring of Dicentric Chromosomes after Simulation of Three Different Irradiation Scenarios. Health Physics, 2014, 106, 764-771.	0.3	22
20	Investigation of the influence of calibration practices on cytogenetic laboratory performance for dose estimation. International Journal of Radiation Biology, 2017, 93, 118-126.	1.0	22
21	RENEB/EURADOS field exercise 2019: robust dose estimation under outdoor conditions based on the dicentric chromosome assay. International Journal of Radiation Biology, 2021, 97, 1181-1198.	1.0	17
22	A statistical framework for radiation dose estimation with uncertainty quantification from the Î³-H2AX assay. PLoS ONE, 2018, 13, e0207464.	1.1	14
23	Dotting the eyes: mouse strain dependency of the lens epithelium to low dose radiation-induced DNA damage. International Journal of Radiation Biology, 2018, 94, 1116-1124.	1.0	12
24	Super-Resolution Nanoscopy Imaging Applied to DNA Double-Strand Breaks. Radiation Research, 2017, 189, 19.	0.7	10
25	Multibiodose Radiation Emergency Triage Categorization Software. Health Physics, 2014, 107, 83-89.	0.3	9
26	Dicentric Dose Estimates for Patients Undergoing Radiotherapy in the RTGene Study to Assess Blood Dosimetric Models and the New Bayesian Method for Gradient Exposure. Radiation Research, 2018, 190, 596.	0.7	9
27	The future of biological dosimetry in mass casualty radiation emergency response, personalized radiation risk estimation and space radiation protection. International Journal of Radiation Biology, 2022, 98, 421-427.	1.0	9
28	Sensitivity and latency of ionising radiation-induced cataract. Experimental Eye Research, 2021, 212, 108772.	1.2	9
29	Scoring rings in the cell fusion-induced premature chromosome condensation (PCC) assay for high dose radiation exposure estimation after gamma-ray exposure. International Journal of Radiation Biology, 2019, 95, 1259-1267.	1.0	8
30	Individual response of the ocular lens to ionizing radiation. International Journal of Radiation Biology, 2023, 99, 138-154.	1.0	7
31	A Simplified Calyculin A-Induced Premature Chromosome Condensation (PCC) Protocol for the Biodosimetric Analysis of High-Dose Exposure to Gamma Radiation. Radiation Research, 2020, 193, 560.	0.7	6
32	Early Responses to Low-Dose Ionizing Radiation in Cellular Lens Epithelial Models. Radiation Research, 2021, 197, .	0.7	5
33	Radiation Biomarkers in Large Scale Human Health Effects Studies. Journal of Personalized Medicine, 2020, 10, 155.	1.1	4
34	On the Use of Random Effect Models for Radiation Biodosimetry. Trends in Mathematics, 2017, , 89-94.	0.1	0