Susan M Bailey

List of Publications by Year in Descending Order

56 papers	2,868 citations	27 h-index	53 g-index
57 ext. papers	3,339 ext. citations	8.9 avg, IF	4.67 L-index

#	Paper	IF	Citations
56	Twins, Telomeres, and Aging-in Space!. *Plastic and Reconstructive Surgery*, **2021**, 147, 7S-14S	2.7	3
55	Telomeric Double Strand Breaks in G1 Human Cells Facilitate Formation of 5C-Rich Overhangs and Recruitment of TERRA. *Frontiers in Genetics*, **2021**, 12, 644803	4.5	3
54	Haplotype diversity and sequence heterogeneity of human telomeres. *Genome Research*, **2021**,	9.7	4
53	Destabilizing Effects of Ionizing Radiation on Chromosomes: Sizing up the Damage. *Cytogenetic and Genome Research*, **2021**, 161, 328-351	1.9	2
52	Telomere Length Dynamics and Chromosomal Instability for Predicting Individual Radiosensitivity and Risk via Machine Learning. *Journal of Personalized Medicine*, **2021**, 11,	3.6	3
51	Ad Astra - telomeres in space!. *International Journal of Radiation Biology*, **2021**, 1-9	2.9	1
50	Evaluation of DNA damage and stress in wildlife chronically exposed to low-dose, low-dose rate radiation from the Fukushima Dai-ichi Nuclear Power Plant accident. *Environment International*, **2021**, 155, 106675	12.9	1
49	Temporal Telomere and DNA Damage Responses in the Space Radiation Environment. *Cell Reports*, **2020**, 33, 108435	10.6	17
48	Fundamental Biological Features of Spaceflight: Advancing the Field to Enable Deep-Space Exploration. *Cell*, **2020**, 183, 1162-1184	56.2	50
47	Telomere Length Dynamics and DNA Damage Responses Associated with Long-Duration Spaceflight. *Cell Reports*, **2020**, 33, 108457	10.6	14
46	Cell-free DNA (cfDNA) and Exosome Profiling from a Year-Long Human Spaceflight Reveals Circulating Biomarkers. *IScience*, **2020**, 23, 101844	6.1	13
45	Estimation of Radiation Doses to U.S. Military Test Participants from Nuclear Testing: A Comparison of Historical Film-Badge Measurements, Dose Reconstruction and Retrospective Biodosimetry. *Radiation Research*, **2019**, 191, 297-310	3.1	11
44	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. *Science*, **2019**, 364,	33.3	300
43	Chromosome Translocations, Inversions and Telomere Length for Retrospective Biodosimetry on Exposed U.S. Atomic Veterans. *Radiation Research*, **2019**, 191, 311-322	3.1	21
42	Directional Genomic Hybridization (dGH) for Detection of Intrachromosomal Rearrangements. *Methods in Molecular Biology*, **2019**, 1984, 107-116	1.4	6
41	Metformin inhibits mitochondrial adaptations to aerobic exercise training in older adults. *Aging Cell* , **2019**, 18, e12880	9.9	74
40	Molecular Cytogenetics Guides Massively Parallel Sequencing of a Radiation-Induced Chromosome Translocation in Human Cells. *Radiation Research*, **2018**, 190, 88-97	3.1	6

39	Telomeres and NextGen CO-FISH: Directional Genomic Hybridization (Telo-dGH). *Methods in Molecular Biology*, **2017**, 1587, 103-112	1.4	2
38	Radiation-Induced Reprogramming of Pre-Senescent Mammary Epithelial Cells Enriches Putative CD44(+)/CD24(-/low) Stem Cell Phenotype. *Frontiers in Oncology*, **2016**, 6, 138	5.3	14
37	A Randomized Controlled Trial to Increase Navy Bean or Rice Bran Consumption in Colorectal Cancer Survivors. *Nutrition and Cancer*, **2016**, 68, 1269-1280	2.8	37
36	Telomeres and Telomerase in the Radiation Response: Implications for Instability, Reprograming, and Carcinogenesis. *Frontiers in Oncology*, **2015**, 5, 257	5.3	27
35	Stress and telomere shortening among central Indian conservation refugees. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E928-36	11.5	31
34	Directional genomic hybridization: inversions as a potential biodosimeter for retrospective radiation exposure. *Radiation and Environmental Biophysics*, **2014**, 53, 255-63	2	21
33	Radiation quality and mutagenesis in human lymphoblastoid cells. *Radiation Research*, **2014**, 182, 390-5	3.1	7
32	DNA-PK phosphorylation of RPA32 Ser4/Ser8 regulates replication stress checkpoint activation, fork restart, homologous recombination and mitotic catastrophe. *DNA Repair*, **2014**, 21, 131-9	4.3	73
31	Chromosome damage in human cells by γ rays, α particles and heavy ions: track interactions in basic dose-response relationships. *Radiation Research*, **2013**, 179, 9-20	3.1	42
30	Directional genomic hybridization for chromosomal inversion discovery and detection. *Chromosome Research*, **2013**, 21, 165-74	4.4	22
29	Feline chronic kidney disease is associated with shortened telomeres and increased cellular senescence. *American Journal of Physiology - Renal Physiology*, **2013**, 305, F295-303	4.3	25
28	TERRA, hnRNP A1, and DNA-PKcs Interactions at Human Telomeres. *Frontiers in Oncology*, **2013**, 3, 91	5.3	29
27	Molecular characterisation of murine acute myeloid leukaemia induced by 56Fe ion and 137Cs gamma ray irradiation. *Mutagenesis*, **2013**, 28, 71-9	2.8	15
26	Deficiency in mammalian histone H2B ubiquitin ligase Bre1 (Rnf20/Rnf40) leads to replication stress and chromosomal instability. *Cancer Research*, **2012**, 72, 2111-9	10.1	84
25	CO-FISH, COD-FISH, ReD-FISH, SKY-FISH. *Methods in Molecular Biology*, **2011**, 735, 113-24	1.4	20
24	Murine Prkdc polymorphisms impact DNA-PKcs function. *Radiation Research*, **2011**, 175, 493-500	3.1	11
23	SNMIB/Apollo protects leading-strand telomeres against NHEJ-mediated repair. *EMBO Journal*, **2010**, 29, 2230-41	13	89
22	Hyper telomere recombination accelerates replicative senescence and may promote premature aging. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 15768-73	11.5	45

21	Chromosome Orientation fluorescence in situ hybridization or strand-specific FISH. *Methods in Molecular Biology*, **2010**, 659, 173-83	1.4	14
20	SCID dogs: similar transplant potential but distinct intra-uterine growth defects and premature replicative senescence compared with SCID mice. *Journal of Immunology*, **2009**, 183, 2529-36	5.3	6
19	Telomere dysfunction and DNA-PKcs deficiency: characterization and consequence. *Cancer Research*, **2009**, 69, 2100-7	10.1	68
18	Chromosome orientation fluorescence in situ hybridization (CO-FISH). *Cold Spring Harbor Protocols*, **2009**, 2009, pdb.prot5269	1.2	13
17	Resveratrol reduces radiation-induced chromosome aberration frequencies in mouse bone marrow cells. *Radiation Research*, **2008**, 169, 633-8	3.1	79
16	Telomeres and double-strand breaks - all© well that "ends" well.. *Radiation Research*, **2008**, 169, 1-7	3.1	3
15	Telomere lengthening early in development. *Nature Cell Biology*, **2007**, 9, 1436-41	23.4	271
14	DNA double-strand breaks are not sufficient to initiate recruitment of TRF2. *Nature Genetics*, **2007**, 39, 696-8; author reply 698-9	36.3	42
13	Partial deficiency of DNA-PKcs increases ionizing radiation-induced mutagenesis and telomere instability in human cells. *Cancer Letters*, **2007**, 250, 63-73	9.9	36
12	Telomeres, chromosome instability and cancer. *Nucleic Acids Research*, **2006**, 34, 2408-17	20.1	174
11	Pot1 deficiency initiates DNA damage checkpoint activation and aberrant homologous recombination at telomeres. *Cell*, **2006**, 126, 49-62	56.2	327
10	Studies on chromosome aberration induction: what can they tell us about DNA repair?. *DNA Repair*, **2006**, 5, 1171-81	4.3	42
9	Elevated telomere-telomere recombination in WRN-deficient, telomere dysfunctional cells promotes escape from senescence and engagement of the ALT pathway. *Genes and Development*, **2005**, 19, 2560-70	12.6	150
8	NBS1 knockdown by small interfering RNA increases ionizing radiation mutagenesis and telomere association in human cells. *Cancer Research*, **2005**, 65, 5544-53	10.1	46
7	Frequent recombination in telomeric DNA may extend the proliferative life of telomerase-negative cells. *Nucleic Acids Research*, **2004**, 32, 3743-51	20.1	159
6	The kinase activity of DNA-PK is required to protect mammalian telomeres. *DNA Repair*, **2004**, 3, 225-33	4.3	67
5	Dysfunctional mammalian telomeres join with DNA double-strand breaks. *DNA Repair*, **2004**, 3, 349-57	4.3	67
4	Functional interaction between DNA-PKcs and telomerase in telomere length maintenance. *EMBO Journal*, **2002**, 21, 6275-87	13	105

3	Dose responses for chromosome aberrations produced in noncycling primary human fibroblasts by alpha particles, and by gamma rays delivered at sublimiting low dose rates. *Radiation Research*, **2002**, 158, 43-53	3.1	40
2	Mouse MutS homolog 4 is predominantly expressed in testis and interacts with MutS homolog 5. *Mammalian Genome*, **2001**, 12, 73-6	3.2	20
1	On the origin of lateral asymmetry. *Chromosoma*, **1996**, 104, 345-7	2.8	16