

Anna A Friedl

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

2,521
citations

186265

28
h-index

197818

49
g-index

74
all docs

74
docs citations

74
times ranked

3472
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Radiobiology of the FLASH effect. <i>Medical Physics</i> , 2022, 49, 1993-2013. | 3.0 | 72 |
| 2 | A turning point in history: thinking about the unthinkable. <i>Radiation and Environmental Biophysics</i> , 2022, 61, 177-178. | 1.4 | 0 |
| 3 | Inhibition of HSP90 as a Strategy to Radiosensitize Glioblastoma: Targeting the DNA Damage Response and Beyond. <i>Frontiers in Oncology</i> , 2021, 11, 612354. | 2.8 | 12 |
| 4 | Focused Ion Microbeam Irradiation Induces Clustering of DNA Double-Strand Breaks in Heterochromatin Visualized by Nanoscale-Resolution Electron Microscopy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7638. | 4.1 | 15 |
| 5 | Development of a model for fibroblast-led collective migration from breast cancer cell spheroids to study radiation effects on invasiveness. <i>Radiation Oncology</i> , 2021, 16, 159. | 2.7 | 5 |
| 6 | Obituary Prof. Dr. Wolfgang Weiss (1946–2021). <i>Radiation and Environmental Biophysics</i> , 2021, 60, 685-688. | 1.4 | 0 |
| 7 | Dose limits for occupational exposure to ionising radiation and genotoxic carcinogens: a German perspective. <i>Radiation and Environmental Biophysics</i> , 2020, 59, 9-27. | 1.4 | 6 |
| 8 | Establishing mechanisms affecting the individual response to ionizing radiation. <i>International Journal of Radiation Biology</i> , 2020, 96, 297-323. | 1.8 | 34 |
| 9 | A feasibility study of zebrafish embryo irradiation with laser-accelerated protons. <i>Review of Scientific Instruments</i> , 2020, 91, 063303. | 1.3 | 18 |
| 10 | Obituary Prof. Dr. Wolfgang DÄrr (1959–2019). <i>Radiation and Environmental Biophysics</i> , 2020, 59, 1-1. | 1.4 | 2 |
| 11 | Influence of diet and metabolism on hematopoietic stem cells and leukemia development following ionizing radiation exposure. <i>International Journal of Radiation Biology</i> , 2019, 95, 452-479. | 1.8 | 10 |
| 12 | Nanosopic analysis of 53BP1, BRCA1 and Rad51 reveals new insights in temporal progression of DNA-repair and pathway choice. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2019, 816-818, 111675. | 1.0 | 22 |
| 13 | Local inhibition of rRNA transcription without nucleolar segregation after targeted ion irradiation of the nucleolus. <i>Journal of Cell Science</i> , 2019, 132, . | 2.0 | 12 |
| 14 | Coordinated radiation protection research in Europe: is it the beginning of a new era?. <i>Radiation and Environmental Biophysics</i> , 2018, 57, 1-4. | 1.4 | 7 |
| 15 | Application of Laser-Driven Beams for Radiobiological Experiments. , 2018, , 129-138. | | 3 |
| 16 | Chromatin organization revealed by nanostructure of irradiation induced γ H2AX, 53BP1 and Rad51 foci. <i>Scientific Reports</i> , 2017, 7, 40616. | 3.3 | 59 |
| 17 | Genomic amplification of Fanconi anemia complementation group A (FancA) in head and neck squamous cell carcinoma (HNSCC): Cellular mechanisms of radioresistance and clinical relevance. <i>Cancer Letters</i> , 2017, 386, 87-99. | 7.2 | 21 |
| 18 | A novel HSP90 inhibitor with reduced hepatotoxicity synergizes with radiotherapy to induce apoptosis, abrogate clonogenic survival, and improve tumor control in models of colorectal cancer. <i>Oncotarget</i> , 2016, 7, 43199-43219. | 1.8 | 24 |

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|----|--|-----|-----------|
| 19 | A New Nanobody-Based Biosensor to Study Endogenous PARP1 In Vitro and in Live Human Cells. PLoS ONE, 2016, 11, e0151041. | 2.5 | 34 |
| 20 | Depletion of Histone Demethylase Jarid1A Resulting in Histone Hyperacetylation and Radiation Sensitivity Does Not Affect DNA Double-Strand Break Repair. PLoS ONE, 2016, 11, e0156599. | 2.5 | 15 |
| 21 | PARP1 inhibition radiosensitizes HNSCC cells deficient in homologous recombination by disabling the DNA replication fork elongation response. Oncotarget, 2016, 7, 9732-9741. | 1.8 | 44 |
| 22 | Determination of the accuracy for targeted irradiations of cellular substructures at SNAKE. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 137-142. | 1.4 | 8 |
| 23 | Live cell imaging at the Munich ion microbeam SNAKE – a status report. Radiation Oncology, 2015, 10, 42. | 2.7 | 18 |
| 24 | Nanosopic exclusion between Rad51 and 53BP1 after ion irradiation in human HeLa cells. Physical Biology, 2015, 12, 066005. | 1.8 | 30 |
| 25 | The inter-individual variability outperforms the intra-individual variability of differentially expressed proteins prior and post irradiation in lymphoblastoid cell lines. Archives of Physiology and Biochemistry, 2014, 120, 198-207. | 2.1 | 6 |
| 26 | Current concepts in clinical radiation oncology. Radiation and Environmental Biophysics, 2014, 53, 1-29. | 1.4 | 143 |
| 27 | Radiation-induced alterations of histone post-translational modification levels in lymphoblastoid cell lines. Radiation Oncology, 2014, 9, 15. | 2.7 | 20 |
| 28 | Fifty years ago –. Radiation and Environmental Biophysics, 2013, 52, 1-3. | 1.4 | 2 |
| 29 | Stain-Free technology as a normalization tool in Western blot analysis. Analytical Biochemistry, 2013, 433, 105-111. | 2.4 | 320 |
| 30 | 50 Years of Radiation and Environmental Biophysics: What were the hallmark papers?. Radiation and Environmental Biophysics, 2013, 52, 171-174. | 1.4 | 0 |
| 31 | Subdiffusion Supports Joining Of Correct Ends During Repair Of DNA Double-Strand Breaks. Scientific Reports, 2013, 3, 2511. | 3.3 | 36 |
| 32 | A laser-driven nanosecond proton source for radiobiological studies. Applied Physics Letters, 2012, 101, . | 3.3 | 87 |
| 33 | Radiation-induced alterations in histone modification patterns and their potential impact on short-term radiation effects. Frontiers in Oncology, 2012, 2, 117. | 2.8 | 12 |
| 34 | Recruitment Kinetics of DNA Repair Proteins Mdc1 and Rad52 but Not 53BP1 Depend on Damage Complexity. PLoS ONE, 2012, 7, e41943. | 2.5 | 47 |
| 35 | The Effectiveness of 20 MeV Protons at Nanosecond Pulse Lengths in Producing Chromosome Aberrations in Human-Hamster Hybrid Cells. Radiation Research, 2011, 175, 719-727. | 1.5 | 42 |
| 36 | Spatial Dynamics of DNA Damage Response Protein Foci along the Ion Trajectory of High-LET Particles. Radiation Research, 2011, 176, 706-715. | 1.5 | 66 |

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|----|---|------|-----------|
| 37 | Double-strand break-induced transcriptional silencing is associated with loss of tri-methylation at H3K4. <i>Chromosome Research</i> , 2011, 19, 883-899. | 2.2 | 57 |
| 38 | New challenges in radiobiology research with microbeams. <i>Radiation and Environmental Biophysics</i> , 2011, 50, 335-338. | 1.4 | 16 |
| 39 | Survival of tumor cells after proton irradiation with ultra-high dose rates. <i>Radiation Oncology</i> , 2011, 6, 139. | 2.7 | 77 |
| 40 | Role for hACF1 in the G2/M damage checkpoint. <i>Nucleic Acids Research</i> , 2011, 39, 8445-8456. | 14.5 | 62 |
| 41 | The WST survival assay: an easy and reliable method to screen radiation-sensitive individuals. <i>Radiation Protection Dosimetry</i> , 2011, 143, 487-490. | 0.8 | 29 |
| 42 | Editorial expression of concern regarding: Pilger A et al. (2004) No effects of intermittent 50ÂHz EMF on cytoplasmic free calcium and on the mitochondrial membrane potential in human diploid fibroblasts, <i>Radiat Environ Biophys</i> 43:203â€“207. <i>Radiation and Environmental Biophysics</i> , 2010, 49, 293-294. | 1.4 | 0 |
| 43 | Ty1 integrase overexpression leads to integration of non-Ty1 DNA fragments into the genome of <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 2010, 284, 231-242. | 2.1 | 9 |
| 44 | A novel radiosensitive SCID patient with a pronounced G2/M sensitivity. <i>DNA Repair</i> , 2010, 9, 365-373. | 2.8 | 3 |
| 45 | Aurora kinase inhibitor ZM447439 induces apoptosis via mitochondrial pathways. <i>Biochemical Pharmacology</i> , 2010, 79, 122-129. | 4.4 | 51 |
| 46 | Differences in the kinetics of γ -H2AX fluorescence decay after exposure to low and high LET radiation. <i>International Journal of Radiation Biology</i> , 2010, 86, 682-691. | 1.8 | 74 |
| 47 | The live cell irradiation and observation setup at SNAKE. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 2090-2097. | 1.4 | 39 |
| 48 | No Evidence for a Different RBE between Pulsed and Continuous 20 MeV Protons. <i>Radiation Research</i> , 2009, 172, 567-574. | 1.5 | 52 |
| 49 | Quantitative analysis of DNA-damage response factors after sequential ion microirradiation. <i>Radiation and Environmental Biophysics</i> , 2008, 47, 415-422. | 1.4 | 22 |
| 50 | Competition effect in DNA damage response. <i>Radiation and Environmental Biophysics</i> , 2008, 47, 423-429. | 1.4 | 24 |
| 51 | Role of Artemis in DSB repair and guarding chromosomal stability following exposure to ionizing radiation at different stages of cell cycle. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 615, 111-124. | 1.0 | 48 |
| 52 | Methods for quantitative evaluation of dynamics of repair proteins within irradiated cells. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 245, 298-301. | 1.4 | 7 |
| 53 | Hydrogen microscopy and analysis of DNA repair using focused high energy ion beams. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 249, 270-277. | 1.4 | 8 |
| 54 | LNT: a never-ending story. <i>Radiation and Environmental Biophysics</i> , 2006, 44, 241-244. | 1.4 | 15 |

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|----|--|------|-----------|
| 55 | Welcome on B(b)oard. Radiation and Environmental Biophysics, 2005, 44, 159-159. | 1.4 | 0 |
| 56 | The Role of Chromatin Structure and Nuclear Architecture in the Cellular Response to DNA Double-Strand Breaks. , 2005, , 267-283. | | 1 |
| 57 | Microirradiation of cells with energetic heavy ions. Radiation and Environmental Biophysics, 2004, 42, 237-245. | 1.4 | 79 |
| 58 | Topological Factors in Radiation Biology. , 2004, , 69-77. | | 1 |
| 59 | Promoter-trapping in <i>Saccharomyces cerevisiae</i> by radiation-assisted fragment insertion. Nucleic Acids Research, 2002, 30, 136e-136. | 14.5 | 15 |
| 60 | Ku and the Stability of the Genome. Journal of Biomedicine and Biotechnology, 2002, 2, 61-65. | 3.0 | 2 |
| 61 | Deletion of the SRS2 gene suppresses elevated recombination and DNA damage sensitivity in rad5 and rad18 mutants of <i>Saccharomyces cerevisiae</i> . Mutation Research DNA Repair, 2001, 486, 137-146. | 3.7 | 60 |
| 62 | DNA Integration by Ty Integrase in <i>yku70</i> Mutant <i>Saccharomyces cerevisiae</i> Cells. Molecular and Cellular Biology, 2000, 20, 8836-8844. | 2.3 | 11 |
| 63 | The Yeast TEL1 Gene Partially Substitutes for Human ATM in Suppressing Hyperrecombination, Radiation-Induced Apoptosis and Telomere Shortening in A-T Cells. Molecular Biology of the Cell, 2000, 11, 2605-2616. | 2.1 | 28 |
| 64 | Subtelomeric Repeat Amplification Is Associated With Growth at Elevated Temperature in <i>yku70</i> Mutants of <i>Saccharomyces cerevisiae</i> . Genetics, 2000, 154, 1039-1051. | 2.9 | 28 |
| 65 | Immortalization and characterization of Nijmegen Breakage Syndrome fibroblasts. Mutation Research DNA Repair, 1999, 434, 17-27. | 3.7 | 98 |
| 66 | Genetic interactions between mutants of the 'error-prone' repair group of <i>Saccharomyces cerevisiae</i> and their effect on recombination and mutagenesis. Mutation Research DNA Repair, 1998, 407, 135-145. | 3.7 | 86 |
| 67 | Radiation-Induced Chromosome Aberrations in <i>Saccharomyces cerevisiae</i> : Influence of DNA Repair Pathways. Genetics, 1998, 148, 975-988. | 2.9 | 34 |
| 68 | Radiation-Induced Cell Killing Is Highly Dependent upon Buffer Treatment (Filtration Compared to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Research, 1996, 146, 232. | 1.5 | 2 |
| 69 | The <i>Saccharomyces cerevisiae</i> Ku Autoantigen Homologue Affects Radiosensitivity Only in the Absence of Homologous Recombination. Genetics, 1996, 142, 91-102. | 2.9 | 177 |
| 70 | An electrophoretic approach to the assessment of the spatial distribution of DNA double-strand breaks in mammalian cells. Electrophoresis, 1995, 16, 1865-1874. | 2.4 | 20 |
| 71 | Use of Pulsed-Field Gel Electrophoresis for Studies of DNA Double-Strand Break Repair in the Yeast <i>Saccharomyces cerevisiae</i> . Methods, 1995, 7, 205-218. | 3.8 | 9 |
| 72 | Computer simulation of pulsed field gel runs allows the quantitation of radiation-induced double-strand breaks in yeast. Electrophoresis, 1994, 15, 128-136. | 2.4 | 21 |

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| 73 | Chromosomal localization of the HYP2-gene in <i>Saccharomyces cerevisiae</i> and use of pulsed-field gel electrophoresis for detection of irregular recombination events in gene disruption experiments. <i>Electrophoresis</i> , 1992, 13, 651-653. | 2.4 | 4 |