Kai Rothkamm

List of Publications by Year
in descending order

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157 papers	7,699 citations	81900 39 h-index	54911 84 g-index
159 all docs	159 docs citations	159 times ranked	7428 citing authors

#	Article	IF	Citations
1	Evidence for a lack of DNA double-strand break repair in human cells exposed to very low x-ray doses. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5057-5062.	7.1	1,449
2	Pathways of DNA Double-Strand Break Repair during the Mammalian Cell Cycle. Molecular and Cellular Biology, 2003, 23, 5706-5715.	2.3	1,040
3	A Double-Strand Break Repair Defect in ATM-Deficient Cells Contributes to Radiosensitivity. Cancer Research, 2004, 64, 500-508.	0.9	328
4	<scp>DNA</scp> damage foci: Meaning and significance. Environmental and Molecular Mutagenesis, 2015, 56, 491-504.	2.2	254
5	Review of retrospective dosimetry techniques for external ionising radiation exposures. Radiation Protection Dosimetry, 2011, 147, 573-592.	0.8	217
6	Leukocyte DNA Damage after Multiâ€“Detector Row CT: A Quantitative Biomarker of Low-Level Radiation Exposure. Radiology, 2007, 242, 244-251.	7.3	208
7	Ionizing radiation biomarkers for potential use in epidemiological studies. Mutation Research - Reviews in Mutation Research, 2012, 751, 258-286.	5.5	181
8	ATR-dependent radiation-induced Î³H2AX foci in bystander primary human astrocytes and glioma cells. Oncogene, 2007, 26, 993-1002.	5.9	179
9	Tumor Cell Response to Synchrotron Microbeam Radiation Therapy Differs Markedly From Cells in Normal Tissues. International Journal of Radiation Oncology Biology Physics, 2010, 77, 886-894.	0.8	136
10	Gamma-H2AX-Based Dose Estimation for Whole and Partial Body Radiation Exposure. PLoS ONE, 2011, 6, e25113.	2.5	131
11	Radiation-induced transgenerational alterations in genome stability and DNA damage. Oncogene, 2006, 25, 7336-7342.	5.9	127
12	gamma-H2AX as protein biomarker for radiation exposure. Annali Dell'Istituto Superiore Di Sanita, 2009, 45, 265-71.	0.4	124
13	Comparison of Established and Emerging Biodosimetry Assays. Radiation Research, 2013, 180, 111-119.	1.5	123
14	Radiation-induced genomic rearrangements formed by nonhomologous end-joining of DNA double-strand breaks. Cancer Research, 2001, 61, 3886-93.	0.9	117
15	ATM Acts Downstream of ATR in the DNA Damage Response Signaling of Bystander Cells. Cancer Research, 2008, 68, 7059-7065.	0.9	116
16	Massively Parallel Sequencing Reveals the Complex Structure of an Irradiated Human Chromosome on a Mouse Background in the Tc1 Model of Down Syndrome. PLoS ONE, 2013, 8, e60482.	2.5	93
17	Cohesin promotes the repair of ionizing radiation-induced DNA double-strand breaks in replicated chromatin. Nucleic Acids Research, 2010, 38, 477-487.	14.5	79
18	Automatic scoring of dicentric chromosomes as a tool in large scale radiation accidents. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 756, 174-183.	1.7	76

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19	Laboratory Intercomparison of Gene Expression Assays. Radiation Research, 2013, 180, 138-148.	1.5	74
20	The shape of the radiation dose response for DNA double-strand break induction and repair. Genome Integrity, 2013, 4, 1.	1.0	64
21	Radiosensitization by Nitric Oxide at Low Radiation Doses. Radiation Research, 2007, 167, 475-484.	1.5	63
22	Direct Involvement of Retinoblastoma Family Proteins in DNA Repair by Non-homologous End-Joining. Cell Reports, 2015, 10, 2006-2018.	6.4	62
23	The first gamma-H2AX biodosimetry intercomparison exercise of the developing European biodosimetry network RENEB. Radiation Protection Dosimetry, 2015, 164, 265-270.	0.8	62
24	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.	1.7	60
25	X-ray-Based Techniques to Study the Nanoâ€“Bio Interface. ACS Nano, 2021, 15, 3754-3807.	14.6	60
26	Joining of correct and incorrect DNA double-strand break ends in normal human and ataxia telangiectasia fibroblasts. Genes Chromosomes and Cancer, 2000, 27, 59-68.	2.8	59
27	Laboratory Intercomparison on the Î³-H2AX Foci Assay. Radiation Research, 2013, 180, 149.	1.5	56
28	Laboratory Intercomparison of the Dicentric Chromosome Analysis Assay. Radiation Research, 2013, 180, 129-137.	1.5	56
29	Residual DNA and chromosomal damage in ex vivo irradiated blood lymphocytes correlated with late normal tissue response to breast radiotherapy. Radiotherapy and Oncology, 2011, 99, 362-366.	0.6	54
30	Realising the European Network of Biodosimetry (RENEB). Radiation Protection Dosimetry, 2012, 151, 621-625.	0.8	54
31	Loss of PTEN-assisted G2/M checkpoint impedes homologous recombination repair and enhances radio-curability and PARP inhibitor treatment response in prostate cancer. Scientific Reports, 2018, 8, 3947.	3.3	54
32	No dose-dependence of DNA double-strand break misrejoining following Î±-particle irradiation. International Journal of Radiation Biology, 2000, 76, 891-900.	1.8	46
33	Operational guidance for radiation emergency response organisations in Europe for using biodosimetric tools developed in EU MULTIBIODOSE project. Radiation Protection Dosimetry, 2015, 164, 165-169.	0.8	46
34	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.	1.8	46
35	Laboratory Intercomparison of the Cytokinesis-Block Micronucleus Assay. Radiation Research, 2013, 180, 120-128.	1.5	44
36	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.	1.8	44

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37	Nonlinear ionizing radiation-induced changes in eye lens cell proliferation, cyclin D1 expression and lens shape. Open Biology, 2015, 5, 150011.	3.6	42
38	G2-checkpoint targeting and radiosensitization of HPV/p16-positive HNSCC cells through the inhibition of Chk1 and Wee1. Radiotherapy and Oncology, 2017, 122, 260-266.	0.6	42
39	Radiation-induced bystander and systemic effects serve as a unifying model system for genotoxic stress responses. Mutation Research - Reviews in Mutation Research, 2018, 778, 13-22.	5.5	42
40	EGFRvIII upregulates DNA mismatch repair resulting in increased temozolomide sensitivity of MGMT promoter methylated glioblastoma. Oncogene, 2020, 39, 3041-3055.	5.9	42
41	Biomarkers of Radiation Exposure: Can They Predict Normal Tissue Radiosensitivity?. Clinical Oncology, 2013, 25, 610-616.	1.4	41
42	Realising the European network of biodosimetry: RENEB--status quo. Radiation Protection Dosimetry, 2015, 164, 42-45.	0.8	41
43	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.	2.0	41
44	Limitations Associated with Analysis of Cytogenetic Data for Biological Dosimetry. Radiation Research, 2010, 174, 403.	1.5	40
45	Misrejoining of DNA double-strand breaks in primary and transformed human and rodent cells: a comparison between the HPRT region and other genomic locations. Mutation Research DNA Repair, 1999, 433, 193-205.	3.7	39
46	BRCA1, FANCD2 and Chk1 are potential molecular targets for the modulation of a radiation-induced DNA damage response in bystander cells. Cancer Letters, 2015, 356, 454-461.	7.2	39
47	Zeroâ€inflated regression models for radiationâ€induced chromosome aberration data: A comparative study. Biometrical Journal, 2016, 58, 259-279.	1.0	34
48	Is a semi-automated approach indicated in the application of the automated micronucleus assay for triage purposes?. Radiation Protection Dosimetry, 2014, 159, 87-94.	0.8	32
49	Analyzing expression and phosphorylation of the EGF receptor in HNSCC. Scientific Reports, 2019, 9, 13564.	3.3	32
50	BCL2-overexpressing prostate cancer cells rely on PARP1-dependent end-joining and are sensitive to combined PARP inhibitor and radiation therapy. Cancer Letters, 2018, 423, 60-70.	7.2	31
51	Misrepair of radiation-induced DNA double-strand breaks and its relevance for tumorigenesis and cancer treatment (Review). International Journal of Oncology, 2002, 21, 433.	3.3	30
52	Enhanced fidelity for rejoining radiation-induced DNA double-strand breaks in the G2 phase of Chinese hamster ovary cells. Nucleic Acids Research, 2004, 32, 2677-2684.	14.5	30
53	Interlaboratory Variation in Scoring Dicentric Chromosomes in a Case of Partial-Body X-Ray Exposure: Implications for Biodosimetry Networking and Cytogenetic â€œTriage Modeâ€•Scoring. Radiation Research, 2009, 172, 746-752.	1.5	30
54	Homologous recombination mediates cellular resistance and fraction size sensitivity to radiation therapy. Radiotherapy and Oncology, 2013, 108, 155-161.	0.6	28

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55	DNA double-strand break repair and induction of apoptosis in ex vivo irradiated blood lymphocytes in relation to late normal tissue reactions following breast radiotherapy. Radiation and Environmental Biophysics, 2014, 53, 355-364.	1.4	28
56	Similar cisplatin sensitivity of HPV-positive and -negative HNSCC cell lines. Oncotarget, 2016, 7, 35832-35842.	1.8	27
57	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.	1.5	26
58	The RENEB operational basis: complement of established biodosimetric assays. International Journal of Radiation Biology, 2017, 93, 15-19.	1.8	26
59	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.	1.4	25
60	DNA Damage Repair Deficiency in Prostate Cancer. Trends in Cancer, 2020, 6, 974-984.	7.4	25
61	Cohesin phosphorylation and mobility of SMC1 at ionizing radiation-induced DNA double-strand breaks in human cells. Experimental Cell Research, 2011, 317, 330-337.	2.6	24
62	The Relationship Between Homologous Recombination Repair and the Sensitivity of Human Epidermis to the Size of Daily Doses Over a 5-Week Course of Breast Radiotherapy. Clinical Cancer Research, 2012, 18, 5479-5488.	7.0	24
63	DNA and chromosomal damage in response to intermittent extremely low-frequency magnetic fields. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 672, 82-89.	1.7	23
64	In situ Biological Dose Mapping Estimates the Radiation Burden Delivered to â€˜Sparedâ€™ Tissue between Synchrotron X-Ray Microbeam Radiotherapy Tracks. PLoS ONE, 2012, 7, e29853.	2.5	22
65	Validation of Semi-automatic Scoring of Dicentric Chromosomes after Simulation of Three Different Irradiation Scenarios. Health Physics, 2014, 106, 764-771.	0.5	22
66	Impaired 53BP1/RIF1 DSB mediated end-protection stimulates CtIP-dependent end resection and switches the repair to PARP1-dependent end joining in G1. Oncotarget, 2016, 7, 57679-57693.	1.8	22
67	Inter-individual and inter-cell type variation in residual DNA damage after in vivo irradiation of human skin. Radiotherapy and Oncology, 2011, 99, 225-230.	0.6	21
68	Candidate protein biomarkers as rapid indicators of radiation exposure. Radiation Measurements, 2011, 46, 903-906.	1.4	21
69	Deoxyribonucleic acid damage-associated biomarkers of ionising radiation: current status and future relevance for radiology and radiotherapy. British Journal of Radiology, 2013, 86, 20130173.	2.2	21
70	Prevention of DNA Replication Stress by CHK1 Leads to Chemoresistance Despite a DNA Repair Defect in Homologous Recombination in Breast Cancer. Cells, 2020, 9, 238.	4.1	21
71	Misrepair of radiation-induced DNA double-strand breaks and its relevance for tumorigenesis and cancer treatment (review). International Journal of Oncology, 2002, 21, 433-40.	3.3	21
72	Uncertainty of fast biological radiation dose assessment for emergency response scenarios. International Journal of Radiation Biology, 2017, 93, 127-135.	1.8	20

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73	Review of Bayesian statistical analysis methods for cytogenetic radiation biodosimetry, with a practical example. Radiation Protection Dosimetry, 2014, 162, 185-196.	0.8	19
74	EGFRvIII does not affect radiosensitivity with or without gefitinib treatment in glioblastoma cells. Oncotarget, 2015, 6, 33867-33877.	1.8	19
75	Radiation-InducedHPRTMutations Resulting from Misrejoined DNA Double-Strand Breaks. Radiation Research, 2008, 169, 639-648.	1.5	18
76	What radiation dose does the FISH translocation assay measure in cases of incorporated radionuclides for the Southern Urals populations?. Radiation Protection Dosimetry, 2014, 159, 26-33.	0.8	18
77	A new inverse regression model applied to radiation biodosimetry. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20140588.	2.1	18
78	Functional crosstalk between DNA damage response proteins 53BP1 and BRCA1 regulates double strand break repair choice. Radiotherapy and Oncology, 2016, 119, 276-281.	0.6	18
79	A functional ex vivo assay to detect PARP1â€EJ repair and radiosensitization by PARPâ€inhibitor in prostate cancer. International Journal of Cancer, 2019, 144, 1685-1696.	5.1	18
80	Interplay between DNA replication stress, chromatin dynamics and DNA-damage response for the maintenance of genome stability. Mutation Research - Reviews in Mutation Research, 2021, 787, 108346.	5.5	18
81	Effect of sorafenib on cisplatin-based chemoradiation in head and neck cancer cells. Oncotarget, 2016, 7, 23542-23551.	1.8	18
82	Formation and repair of DNA double-strand breaks in Î³-irradiated K562 cells undergoing erythroid differentiation. Mutation Research DNA Repair, 2000, 461, 71-82.	3.7	17
83	Gamma-H2AX foci counting: image processing and control software for high-content screening. , 2007, 6441, 424.		17
84	A NEW BAYESIAN MODEL APPLIED TO CYTOGENETIC PARTIAL BODY IRRADIATION ESTIMATION. Radiation Protection Dosimetry, 2016, 168, ncv356.	0.8	17
85	Radiosensitization of HNSCC cells by EGFR inhibition depends on the induction of cell cycle arrests. Oncotarget, 2016, 7, 45122-45133.	1.8	17
86	Web based scoring is useful for validation and harmonisation of scoring criteria within RENEB. International Journal of Radiation Biology, 2017, 93, 110-117.	1.8	16
87	Joining of correct and incorrect DNA double-strand break ends in normal human and ataxia telangiectasia fibroblasts. Genes Chromosomes and Cancer, 2000, 27, 59-68.	2.8	16
88	Improving the Efficacy of Tumor Radiosensitization Through Combined Molecular Targeting. Frontiers in Oncology, 2020, 10, 1260.	2.8	15
89	CytoBayesJ: Software tools for Bayesian analysis of cytogenetic radiation dosimetry data. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 756, 184-191.	1.7	14
90	Quantitative proteomics unveiled: Regulation of DNA double strand break repair by EGFR involves PARP1. Radiotherapy and Oncology, 2015, 116, 423-430.	0.6	14

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91	The inflammation-reducing compatible solute ectoine does not impair the cytotoxic effect of ionizing radiation on head and neck cancer cells. Scientific Reports, 2019, 9, 6594.	3.3	14
92	Physical and Biological Parameters Affecting DNA Double Strand Break Misrejoining in Mammalian Cells. Radiation Protection Dosimetry, 2002, 99, 129-132.	0.8	13
93	DNA Repair. Recent Results in Cancer Research, 2016, 198, 1-24.	1.8	13
94	Dual Inhibition of PARP and the Intra-S/G2 Cell Cycle Checkpoints Results in Highly Effective Radiosensitization of HPV-Positive HNSCC Cells. Frontiers in Oncology, 2021, 11, 683688.	2.8	13
95	A portable microfluidic fluorescence spectrometer device for Î³-H2AX-based biological dosimetry. Radiation Measurements, 2011, 46, 907-911.	1.4	12
96	radir package: an R implementation for cytogenetic biodosimetry dose estimation. Journal of Radiological Protection, 2015, 35, 557-569.	1.1	12
97	Where Do We Look for Markers of Radiotherapy Fraction Size Sensitivity?. Clinical Oncology, 2015, 27, 570-578.	1.4	12
98	Targeted nanoparticles for tumour radiotherapy enhancementâ€"the long dawn of a golden era?. Annals of Translational Medicine, 2016, 4, 523-523.	1.7	12
99	Correlation between DNA damage responses of skin to a test dose of radiation and late adverse effects of earlier breast radiotherapy. Radiotherapy and Oncology, 2016, 119, 244-249.	0.6	11
100	Capabilities of the RENEB network for research and large scale radiological and nuclear emergency situations. International Journal of Radiation Biology, 2017, 93, 136-141.	1.8	11
101	Second-Generation Antiandrogen Therapy Radiosensitizes Prostate Cancer Regardless of Castration State through Inhibition of DNA Double Strand Break Repair. Cancers, 2020, 12, 2467.	3.7	11
102	TP53 modulates radiotherapy fraction size sensitivity in normal and malignant cells. Scientific Reports, 2021, 11, 7119.	3.3	11
103	Sorafenib inhibits cell growth but fails to enhance radio- and chemosensitivity of glioblastoma cell lines. Oncotarget, 2016, 7, 61988-61995.	1.8	11
104	Patient derived ex vivo tissue slice cultures demonstrate a profound DNA double-strand break repair defect in HPV-positive oropharyngeal head and neck cancer. Radiotherapy and Oncology, 2022, 168, 138-146.	0.6	11
105	Triage, monitoring and dose assessment for people exposed to ionising radiation following a malevolent act. Radiation Protection Dosimetry, 2011, 144, 534-539.	0.8	10
106	A comparison of six statistical distributions for analysis of chromosome aberration data for radiation biodosimetry. Radiation Protection Dosimetry, 2013, 155, 253-267.	0.8	10
107	X-ray Fluorescence Uptake Measurement of Functionalized Gold Nanoparticles in Tumor Cell Microsamples. International Journal of Molecular Sciences, 2021, 22, 3691.	4.1	10
108	Analyzing tyrosine kinase activity in head and neck cancer by functional kinomics: Identification of hyperactivated Src family kinases as prognostic markers and potential targets. International Journal of Cancer, 2021, 149, 1166-1180.	5.1	10

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109	Multibiodose Radiation Emergency Triage Categorization Software. Health Physics, 2014, 107, 83-89.	0.5	9
110	The lens of the eye: exposures in the UK medical sector and mechanistic studies of radiation effects. Annals of the ICRP, 2015, 44, 84-90.	3.8	8
111	Correlation between the radiation responses of fibroblasts cultured from individual patients and the risk of late reaction after breast radiotherapy. Cancer Letters, 2016, 374, 324-330.	7.2	8
112	Radiosensitisation and enhanced tumour growth delay of colorectal cancer cells by sustained treatment with trifluridine/tipiracil and X-rays. Cancer Letters, 2020, 493, 179-188.	7.2	8
113	Feasibility of Monitoring Tumor Response by Tracking Nanoparticle-Labelled T Cells Using X-ray Fluorescence Imagingâ€"A Numerical Study. International Journal of Molecular Sciences, 2021, 22, 8736.	4.1	8
114	DNA Damage Response during Replication Correlates with CIN70 Score and Determines Survival in HNSCC Patients. Cancers, 2021, 13, 1194.	3.7	7
115	Exploiting Chromosomal Instability of PTEN-Deficient Triple-Negative Breast Cancer Cell Lines for the Sensitization Against PARP1 Inhibition in a Replication-Dependent Manner. Cancers, 2020, 12, 2809.	3.7	7
116	Difficult cases for chromosomal dosimetry: Statistical considerations. Radiation Measurements, 2011, 46, 1004-1008.	1.4	6
117	Development of a retrospective/fortuitous accident dosimetry service based on OSL of mobile phones. Radiation Protection Dosimetry, 2015, 164, 89-92.	0.8	6
118	Receptor tyrosine kinase MET as potential target of multiâ€kinase inhibitor and radiosensitizer sorafenib in HNSCC. Head and Neck, 2019, 41, 208-215.	2.0	6
119	Efficient DNA Repair Mitigates Replication Stress Resulting in Less Immunogenic Cytosolic DNA in Radioresistant Breast Cancer Stem Cells. Frontiers in Immunology, 2022, 13, 765284.	4.8	6
120	Fully automated counting of DNA damage foci in tumor cell culture: A matter of cell separation. DNA Repair, 2021, 102, 103100.	2.8	5
121	The Role of Telomerase in Radiation-Induced Genomic Instability. Radiation Research, 2020, 193, 451.	1.5	5
122	Radiation Biomarkers in Large Scale Human Health Effects Studies. Journal of Personalized Medicine, 2020, 10, 155.	2.5	4
123	X-ray-Fluorescence Imaging for In Vivo Detection of Gold-Nanoparticle-Labeled Immune Cells: A GEANT4 Based Feasibility Study. Cancers, 2021, 13, 5759.	3.7	4
124	A Lack of Effectiveness in the ATM-Orchestrated DNA Damage Response Contributes to the DNA Repair Defect of HPV-Positive Head and Neck Cancer Cells. Frontiers in Oncology, 0, 12, .	2.8	4
125	Ionizing Radiation-Induced DNA Strand Breaks and Î³-H2AX Foci in Cells Exposed to Nitric Oxide. Methods in Molecular Biology, 2011, 704, 17-25.	0.9	3
126	Impact of long-term exposure to sodium arsenite on cytogenetic radiation damage. Mutagenesis, 2014, 29, 123-129.	2.6	3

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127	EP-1618: Monoubiquitinylated histone H2B as a potential target in treatment resistant germ cell tumors. Radiotherapy and Oncology, 2018, 127, S871.	0.6	3
128	Investigating the impact of long term exposure to chemical agents on the chromosomal radiosensitivity using human lymphoblastoid GM1899A cells. Scientific Reports, 2021, 11, 12616.	3.3	3
129	ATR-dependent bystander effects in nontargeted cells. International Journal of Low Radiation, 2008, 5, 22.	0.1	2
130	Established and Emerging Methods of Biological Dosimetry. , 2014, , 289-310.		2
131	Analyzing the influence of kinase inhibitors on DNA repair by differential proteomics of chromatin-interacting proteins and nuclear phospho-proteins. Oncotarget, 2017, 8, 110983-110993.	1.8	2
132	Kinomic comparison of snap frozen and ex vivo-cultured head and neck tumors. Oral Oncology, 2021, 123, 105603.	1.5	2
133	Tissue Microarray Analyses Suggest Axl as a Predictive Biomarker in HPV-Negative Head and Neck Cancer. Cancers, 2022, 14, 1829.	3.7	2
134	Increased replication stress and R-loop accumulation in EGFRvIII-expressing glioblastoma present new therapeutic opportunities. Neuro-Oncology Advances, 2022, 4, vdab180.	0.7	2
135	P06.20â€‚EGFRvIII: a predictive marker for Temozolomide response in O6-methylguanine-DNA methyltransferase negative glioblastoma cells and tumor xenografts. Neuro-Oncology, 2016, 18, iv33-iv33.	1.2	1
136	OC-0380: Cell cycle checkpoint modulates radiotherapy fraction size sensitivity in normal and malignant cells. Radiotherapy and Oncology, 2018, 127, S194.	0.6	1
137	Different Means to an End: DNA Double-Strand Break Repair. , 2004, , 179-186.		1
138	Comments on the Paper â€œNo Detectable Misrejoining in Double-Minute Chromosomesâ€•by Nevaldineet al. (Radiat. Res.152, 154â€“159, 1999). Radiation Research, 2000, 153, 239-240.	1.5	0
139	Radiotherapy fraction size sensitivity is modulated by DNA repair systems. Breast Cancer Research, 2010, 12, .	5.0	0
140	DNA Double-strand Break Repair and Induction of Apoptosis in Relation to Late Normal Tissue Responses Following Radiation Therapy for Early Breast Cancer. International Journal of Radiation Oncology Biology Physics, 2012, 84, S106.	0.8	0
141	Comparison of In Vivo Skin and In Vitro Blood Lymphocyte Models for the Prediction of Late Normal Tissue Responses in Breast Radiation Therapy Patients. International Journal of Radiation Oncology Biology Physics, 2013, 87, S663.	0.8	0
142	PO-0915: High p53 levels after a radiotherapy dose, but not residual DNA DSBs, are associated with late normal tissue reactions. Radiotherapy and Oncology, 2013, 106, S354-S355.	0.6	0
143	Radiation DNA damage and use in cancer/therapeutics-translation of radiation modifiers. , 2016, , 329-352.		0
144	G2-checkpoint targeting and radiosensitization of HPV/p16-positive HNSCC cells through the inhibition of Chk1 and Wee1. European Journal of Cancer, 2016, 69, S61-S62.	2.8	0

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145	Subgroup Analysis of Functional Associations Between In Vitro Radiation Response of Fibroblasts and Late Toxicity After Breast Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2016, 96, S64.	0.8	0
146	Multimodal Testing of DNA Damage Response Markers for Prediction of Normal Tissue Toxicities Following Head and Neck Intensity Modulated Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2016, 96, E592.	0.8	0
147	OC-0379: DNA repair and stemness determine the sensitizing effect of CHK1, RAD51 and PARP1 inhibition in TNBC. Radiotherapy and Oncology, 2018, 127, S193-S194.	0.6	0
148	OC-0490: Targeting PARP1 and the intra-S/G2 checkpoints for highly effective radiosensitization of HPV+ HNSCC. Radiotherapy and Oncology, 2018, 127, S252.	0.6	0
149	EP-2286: CHK1-mediated replication fork stabilization confers radioresistance in HR deficient tumor cells. Radiotherapy and Oncology, 2018, 127, S1262.	0.6	0
150	OC-0635 Targeting TEMPRSS2:ERG fusion to achieve a tumor-specific radiosensitization in prostate cancer. Radiotherapy and Oncology, 2019, 133, S338-S339.	0.6	0
151	SP-0638 Hypofractionation: can the DNA damage response deliver a biological rationale?. Radiotherapy and Oncology, 2019, 133, S340.	0.6	0
152	Establishment of a Transformation Coupled in vitro End Joining Assay to Estimate Radiosensitivity in Tumor Cells. Frontiers in Oncology, 2020, 10, 1480.	2.8	0
153	PO-1931 Identifying resistance mechanisms in breast cancer in patient-derived organoids and 3D cell culture. Radiotherapy and Oncology, 2021, 161, S1645-S1646.	0.6	0
154	Abstract 1794: Lymphocyte apoptosis as a predictive biomarker for radiotherapy de-intensification in EBV-associated nasopharynx cancer. , 2017, , .		0
155	OC-0207: Avoidance of DNA replication stress leads to radioresistance in stem cell-like TNBC. Radiotherapy and Oncology, 2020, 152, S103-S104.	0.6	0
156	OC-0425 Avoidance of DNA Replication Stress Leads to Decreased Cytosolic DNA in Breast Cancer Stem Cells. Radiotherapy and Oncology, 2022, 170, S369-S370.	0.6	0
157	MEDB-50. Assessment of cellular radiosensitivity and DNA repair in medulloblastoma cell lines and patient-derivded xenograft slice cultures. Neuro-Oncology, 2022, 24, i117-i118.	1.2	0