

# Carsten Herskind

## List of Publications by Year in descending order

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96  
papers

2,974  
citations

201385

27  
h-index

182168

51  
g-index

105  
all docs

105  
docs citations

105  
times ranked

3738  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting Cell Cycle Checkpoint Kinases to Overcome Intrinsic Radioresistance in Brain Tumor Cells. <i>Cancers</i> , 2022, 14, 701.	1.7	7
2	Use of angiotensin converting enzyme inhibitors is associated with reduced risk of late bladder toxicity following radiotherapy for prostate cancer. <i>Radiotherapy and Oncology</i> , 2022, 168, 75-82.	0.3	10
3	Stromal Fibroblasts Counteract the Caveolin-1-Dependent Radiation Response of LNCaP Prostate Carcinoma Cells. <i>Frontiers in Oncology</i> , 2022, 12, 802482.	1.3	2
4	Predicting response to neoadjuvant chemoradiotherapy in rectal cancer: from biomarkers to tumor models. <i>Therapeutic Advances in Medical Oncology</i> , 2022, 14, 175883592210779.	1.4	21
5	Selective inhibitors of bromodomain <scp>BD1</scp> and <scp>BD2</scp> of <scp>BET</scp> proteins modulate radiation-induced profibrotic fibroblast responses. <i>International Journal of Cancer</i> , 2022, , .	2.3	3
6	Overview of health-related quality of life and toxicity of non-small cell lung cancer patients receiving curative-intent radiotherapy in a real-life setting (the REQUITE study). <i>Lung Cancer</i> , 2022, 166, 228-241.	0.9	5
7	Sulfated hyaluronic acid inhibits the hyaluronidase CEMIP and regulates the HA metabolism, proliferation and differentiation of fibroblasts. <i>Matrix Biology</i> , 2022, 109, 173-191.	1.5	10
8	Gene Expression Profiles Reveal Extracellular Matrix and Inflammatory Signaling in Radiation-Induced Premature Differentiation of Human Fibroblast in vitro. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 539893.	1.8	7
9	Epigenetic Modulation of Radiation-Induced Diacylglycerol Kinase Alpha Expression Prevents Pro-Fibrotic Fibroblast Response. <i>Cancers</i> , 2021, 13, 2455.	1.7	8
10	Editorial: Cell Signaling Mediating Critical Radiation Responses. <i>Frontiers in Oncology</i> , 2021, 11, 695355.	1.3	0
11	Development of a method for generating SNP interaction-aware polygenic risk scores for radiotherapy toxicity. <i>Radiotherapy and Oncology</i> , 2021, 159, 241-248.	0.3	11
12	Intracellular Delivery of Doxorubicin by Iron Oxide-Based Nano-Constructs Increases Clonogenic Inactivation of Ionizing Radiation in HeLa Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6778.	1.8	8
13	A Deep Learning Approach Validates Genetic Risk Factors for Late Toxicity After Prostate Cancer Radiotherapy in a REQUITE Multi-National Cohort. <i>Frontiers in Oncology</i> , 2020, 10, 541281.	1.3	15
14	Evaluation of cytokine expression and circulating immune cell subsets as potential parameters of acute radiation toxicity in prostate cancer patients. <i>Scientific Reports</i> , 2020, 10, 19002.	1.6	21
15	Caveolin-1 regulates the ASMase/ceramide-mediated radiation response of endothelial cells in the context of tumor-stroma interactions. <i>Cell Death and Disease</i> , 2020, 11, 228.	2.7	25
16	Radiation-induced malignancies after intensity-modulated versus conventional mediastinal radiotherapy in a small animal model. <i>Scientific Reports</i> , 2019, 9, 15489.	1.6	4
17	Multi-centre technical evaluation of the radiation-induced lymphocyte apoptosis assay as a predictive test for radiotherapy toxicity. <i>Clinical and Translational Radiation Oncology</i> , 2019, 18, 1-8.	0.9	14
18	REQUITE: A prospective multicentre cohort study of patients undergoing radiotherapy for breast, lung or prostate cancer. <i>Radiotherapy and Oncology</i> , 2019, 138, 59-67.	0.3	53

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19	Targeting the Post-Irradiation Tumor Microenvironment in Glioblastoma via Inhibition of CXCL12. <i>Cancers</i> , 2019, 11, 272.	1.7	15
20	Progression-Related Loss of Stromal Caveolin 1 Levels Mediates Radiation Resistance in Prostate Carcinoma via the Apoptosis Inhibitor TRIAP1. <i>Journal of Clinical Medicine</i> , 2019, 8, 348.	1.0	23
21	A HYPOTHESIS OF RADIORESISTANCE AND CELL-SURVIVAL CURVE SHAPE BASED ON CELL-CYCLE PROGRESSION AND DAMAGE TOLERANCE. <i>Radiation Protection Dosimetry</i> , 2019, 183, 107-110.	0.4	1
22	Association of CD4+ Radiation-Induced Lymphocyte Apoptosis with Fibrosis and Telangiectasia after Radiotherapy in 272 Breast Cancer Patients with >10-Year Follow-up. <i>Clinical Cancer Research</i> , 2019, 25, 562-572.	3.2	11
23	Intraoperative Radiotherapy in Newly Diagnosed Glioblastoma (INTRAGO): An Open-Label, Dose-Escalation Phase I/II Trial. <i>Neurosurgery</i> , 2019, 84, 41-49.	0.6	39
24	Radiotherapy, tumor mutational burden, and immune checkpoint inhibitors: time to do the math. <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 873-875.	1.0	11
25	Progression-related loss of stromal Caveolin 1 levels fosters the growth of human PC3 xenografts and mediates radiation resistance. <i>Scientific Reports</i> , 2017, 7, 41138.	1.6	21
26	Biology of high single doses of IORT: RBE, 5 R <sup>2</sup> s, and other biological aspects. <i>Radiation Oncology</i> , 2017, 12, 24.	1.2	37
27	BET-bromodomain inhibitors modulate epigenetic patterns at the diacylglycerol kinase alpha enhancer associated with radiation-induced fibrosis. <i>Radiotherapy and Oncology</i> , 2017, 125, 168-174.	0.3	9
28	Smart Radiation Therapy Biomaterials. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 97, 624-637.	0.4	42
29	Immunotherapy Combined with Large Fractions of Radiotherapy: Stereotactic Radiosurgery for Brain Metastases—Implications for Intraoperative Radiotherapy after Resection. <i>Frontiers in Oncology</i> , 2017, 7, 147.	1.3	24
30	RTHP-05. INTRAOPERATIVE RADIOTHERAPY (IORT) USING LOW-ENERGY X-RAYS IN A COHORT OF PREDOMINANTLY INCOMPLETELY RESECTED NEWLY DIAGNOSED GLIOBLASTOMA MULTIFORME (INTRAGO) Tj ET Oq 0 0 r gBT /Overlo		
31	Cellular Pathways in Response to Ionizing Radiation and Their Targetability for Tumor Radiosensitization. <i>International Journal of Molecular Sciences</i> , 2016, 17, 102.	1.8	298
32	MRI morphologic alterations after liver SBRT. <i>Strahlentherapie Und Onkologie</i> , 2016, 192, 641-648.	1.0	13
33	Adaptive fractionated stereotactic Gamma Knife radiotherapy of meningioma using integrated stereotactic cone-beam-CT and adaptive re-planning (a-gkFSRT). <i>Strahlentherapie Und Onkologie</i> , 2016, 192, 815-819.	1.0	27
34	Radiogenomics: A systems biology approach to understanding genetic risk factors for radiotherapy toxicity?. <i>Cancer Letters</i> , 2016, 382, 95-109.	3.2	68
35	Epigenetic regulation of diacylglycerol kinase alpha promotes radiation-induced fibrosis. <i>Nature Communications</i> , 2016, 7, 10893.	5.8	46
36	Correlation between DNA damage responses of skin to a test dose of radiation and late adverse effects of earlier breast radiotherapy. <i>Radiotherapy and Oncology</i> , 2016, 119, 244-249.	0.3	11

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37	Correlation between the radiation responses of fibroblasts cultured from individual patients and the risk of late reaction after breast radiotherapy. <i>Cancer Letters</i> , 2016, 374, 324-330.	3.2	8
38	TGF- $\beta$ 1 Is Present at High Levels in Wound Fluid from Breast Cancer Patients Immediately Post-Surgery, and Is Not Increased by Intraoperative Radiation Therapy (IORT). <i>PLoS ONE</i> , 2016, 11, e0162221.	1.1	13
39	The HIV-derived protein Vpr52-96 has anti-glioma activity in vitro and in vivo. <i>Oncotarget</i> , 2016, 7, 45500-45512.	0.8	1
40	Accelerated Partial Breast Irradiation in Clinical Practice. <i>Breast Care</i> , 2015, 10, 247-252.	0.8	16
41	Impact of flattening-filter-free radiation on the clonogenic survival of astrocytic cell lines. <i>Strahlentherapie Und Onkologie</i> , 2015, 191, 590-596.	1.0	6
42	Endothelial Caveolin-1 regulates the radiation response of epithelial prostate tumors. <i>Oncogenesis</i> , 2015, 4, e148-e148.	2.1	28
43	Inhibition of 13-cis retinoic acid-induced gene expression of reactive-resistance genes by thalidomide in glioblastoma tumours<i>in vivo</i>. <i>Oncotarget</i> , 2015, 6, 28938-28948.	0.8	11
44	Abstract 3445: Diacylglycerol kinase alpha as a novel epigenetically regulated risk marker for radiotherapy-induced fibrosis. , 2015, , .		0
45	Abstract 4458: The HIV-derived protein Vpr52-96has anti-glioma activity in vitro and in vivo. , 2015, , .		0
46	The Biological Effect of Large Single Doses: A Possible Role for Non-Targeted Effects in Cell Inactivation. <i>PLoS ONE</i> , 2014, 9, e84991.	1.1	26
47	INTRAGO: intraoperative radiotherapy in glioblastoma multiforme â€“ a Phase I/II dose escalation study. <i>BMC Cancer</i> , 2014, 14, 992.	1.1	35
48	Strahlenschutz von Normalgewebszellen. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 745-752.	1.0	46
49	Second cancer risk after 3D-CRT, IMRT and VMAT for breast cancer. <i>Radiotherapy and Oncology</i> , 2014, 110, 471-476.	0.3	138
50	A method for the efficient cellular uptake and retention of small modified gold nanoparticles for the radiosensitization of cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1365-1373.	1.7	30
51	The influence of retinoic Acid and thalidomide on the radiosensitivity of u343 glioblastoma cells. <i>Anticancer Research</i> , 2014, 34, 1885-91.	0.5	3
52	Relative Biologic Effectiveness (RBE) of 50 kV X-rays Measured in a Phantom for Intraoperative Tumor-Bed Irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 1127-1133.	0.4	60
53	Estimation of intracranial failure risk following hippocampal-sparing whole brain radiotherapy. <i>Radiotherapy and Oncology</i> , 2013, 109, 152-158.	0.3	57
54	Comparison of genetic variation of breast cancer susceptibility genes in Chinese and German populations. <i>European Journal of Human Genetics</i> , 2013, 21, 1286-1292.	1.4	27

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55	Mitogenic signalling in the absence of epidermal growth factor receptor activation in a human glioblastoma cell line. <i>Journal of Neuro-Oncology</i> , 2013, 115, 323-331.	1.4	8
56	Intraoperative Radiotherapy during Breast-Conserving Surgery Using a Miniature X-Ray Generator (Intrabeam®): Theoretical and Experimental Background and Clinical Experience. <i>Women's Health</i> , 2012, 8, 39-47.	0.7	13
57	Distinct role of endocytosis for Smad and non-Smad TGF- $\beta$ 2 signaling regulation in hepatocytes. <i>Journal of Hepatology</i> , 2011, 55, 369-378.	1.8	55
58	Inter-individual and inter-cell type variation in residual DNA damage after in vivo irradiation of human skin. <i>Radiotherapy and Oncology</i> , 2011, 99, 225-230.	0.3	21
59	Can the risk of secondary cancer induction after breast conserving therapy be reduced using intraoperative radiotherapy (IORT) with low-energy x-rays?. <i>Radiation Oncology</i> , 2011, 6, 174.	1.2	33
60	Overexpression of Manganese Superoxide Dismutase Does Not Increase Clonogenic Cell Survival Despite Effect on Apoptosis in Irradiated Lymphoblastoid Cells. <i>Radiation Research</i> , 2011, 176, 725-731.	0.7	6
61	Overexpression of Caveolin-1 in Lymphoblastoid TK6 Cells Enhances Proliferation After Irradiation with Clinically Relevant Doses. <i>Strahlentherapie Und Onkologie</i> , 2010, 186, 99-106.	1.0	20
62	Radiobiological Comparison of Hypofractionated Accelerated Partial-Breast Irradiation (APBI) and Single-Dose Intraoperative Radiotherapy (IORT) with 50-kV X-Rays. <i>Strahlentherapie Und Onkologie</i> , 2010, 186, 444-451.	1.0	25
63	Establishment of a Radiogenomics Consortium. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 1295-1296.	0.4	118
64	SNAI2 as a Novel Radioprotector of Normal Tissue by Gene Transfer Using a Lentiviral Bicistronic SIN Vector. <i>Radiation Research</i> , 2010, 173, 612-619.	0.7	21
65	Is There More to Intraoperative Radiotherapy Than Physical Dose?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 976-977.	0.4	11
66	Normal-Tissue Radioprotection by Overexpression of the Copper-Zinc and Manganese Superoxide Dismutase Genes. <i>Strahlentherapie Und Onkologie</i> , 2009, 185, 517-523.	1.0	18
67	Volumetric modulated arc therapy (VMAT) vs. serial tomotherapy, step-and-shoot IMRT and 3D-conformal RT for treatment of prostate cancer. <i>Radiotherapy and Oncology</i> , 2009, 93, 226-233.	0.3	324
68	Sphere of Equivalence—A Novel Target Volume Concept for Intraoperative Radiotherapy Using Low-Energy X Rays. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 1575-1581.	0.4	53
69	Early initiation of external beam radiotherapy (EBRT) may increase the risk of long-term toxicity in patients undergoing intraoperative radiotherapy (IORT) as a boost for breast cancer. <i>Breast</i> , 2008, 17, 617-622.	0.9	58
70	MDR1 Gene Transfer Using a Lentiviral SIN Vector Confers Radioprotection to Human CD34 <sup>+</sup> Hematopoietic Progenitor Cells. <i>Radiation Research</i> , 2008, 169, 301-310.	0.7	29
71	Inhibition of 13-cis retinoic acid-induced gene expression of homeobox B7 by thalidomide. <i>International Journal of Cancer</i> , 2007, 121, 1205-1211.	2.3	6
72	ATM sequence variants and risk of radiation-induced subcutaneous fibrosis after postmastectomy radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 64, 776-783.	0.4	95

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73	Long-term toxicity of an intraoperative radiotherapy boost using low energy X-rays during breast-conserving surgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 66, 377-381.	0.4	75
74	Changes in telomerase activity after irradiation of human peripheral blood mononuclear cells (PBMC) in vitro. <i>Radiation Protection Dosimetry</i> , 2006, 122, 173-175.	0.4	1
75	Overexpression of MDR1 Using a Retroviral Vector Differentially Regulates Genes Involved in Detoxification and Apoptosis and Confers Radioprotection. <i>Radiation Research</i> , 2006, 166, 463-473.	0.7	25
76	Lentiviral MDR1 Gene Transfer Confers Radioprotection to Human CD34(+) Haematopoietic Progenitor Cells. <i>Blood</i> , 2006, 108, 5470-5470.	0.6	0
77	TGFB1 polymorphisms are associated with risk of late normal tissue complications in the breast after radiotherapy for early breast cancer. <i>Radiotherapy and Oncology</i> , 2005, 75, 18-21.	0.3	125
78	Radiobiological Aspects of Intraoperative Radiotherapy (IORT) with Isotropic Low-Energy X Rays for Early-Stage Breast Cancer. <i>Radiation Research</i> , 2005, 163, 208-215.	0.7	94
79	Microarray Analysis of Differentially Expressed Genes in Response to Retrovirally Mediated Overexpression of MDR1. <i>Blood</i> , 2005, 106, 1519-1519.	0.6	4
80	Induction and repair of radiation-induced DNA double-strand breaks in human fibroblasts are not affected by terminal differentiation. <i>DNA Repair</i> , 2004, 3, 113-120.	1.3	13
81	Recombinant adeno-associated virus 2-mediated transfer of the human superoxide-dismutase gene does not confer radioresistance on HeLa cervical carcinoma cells. <i>Radiotherapy and Oncology</i> , 2004, 72, 341-350.	0.3	17
82	Spatial Variation of Radiation Quality during Moving Beam Therapy with 14 MeV [d(0.25)+T] Neutrons. <i>Radiation Protection Dosimetry</i> , 2002, 99, 365-368.	0.4	1
83	Differential response of tumor cells and normal fibroblasts to fractionated combined treatment with topotecan and ionizing radiation. <i>International Journal of Radiation Biology</i> , 2002, 78, 125-132.	1.0	4
84	Spontaneous and radiation-induced differentiation of fibroblasts. <i>Experimental Gerontology</i> , 2000, 35, 747-755.	1.2	64
85	Fibroblast Differentiation in Subcutaneous Fibrosis after Postmastectomy Radiotherapy. <i>Acta Oncologica</i> , 2000, 39, 383-388.	0.8	40
86	Radiation sensitivity of human squamous cell carcinoma cells in vitro is modulated by all-trans and 13-cis-retinoic acid in combination with interferon- $\beta$ . <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 45, 991-998.	0.4	27
87	Changes in RBE of 14-MeV (d+T) neutrons for V79 cells irradiated in air and in a phantom: Is RBE enhanced near the surface?. <i>Strahlentherapie Und Onkologie</i> , 1998, 174, 204-211.	1.0	7
88	Differentiation state of skin fibroblast cultures versus risk of subcutaneous fibrosis after radiotherapy. <i>Radiotherapy and Oncology</i> , 1998, 47, 263-269.	0.3	56
89	Growth-State-Dependent Radiation-Induced Expression of the Proto-oncogene c-fos in NIH 3T3 Cells. <i>Radiation Research</i> , 1996, 145, 299.	0.7	3
90	Inactivation of DNA-mediated transformation of hamster cells by $\beta$ -rays and deoxyribonuclease I. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988, 198, 169-178.	0.4	4

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91	Sulfhydryl Protection and the Oxygen Effect on Radiation-Induced Inactivation of r-Chromatin in Vitro: Influence of an OH Scavenger: t-Butanol. Radiation Research, 1988, 115, 141.	0.7	3
92	Variable Protection by OH Scavengers against Radiation-Induced Inactivation of Isolated Transcriptionally Active Chromatin: The Influence of Secondary Radicals. Radiation Research, 1988, 114, 28.	0.7	14
93	Single-strand Breaks can Lead to Complex Configurations of Plasmid DNA<i>in Vitro</i>. International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine, 1987, 52, 565-575.	1.0	14
94	Inactivation of a Single Eucaryotic Gene Irradiated in Vitro in Transcriptionally Active Chromatin Form. Radiation Research, 1986, 106, 331.	0.7	6
95	Molecular events on the chromatin form of an isolated specific eukaryotic gene in response to radiation. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1982, 96, 134.	0.4	0
96	The Crystal Structure of trans-Dichlorobis(ethylenediamine)-platinum(IV) Tetrachlorocuprate(II) Monohydrate.. Acta Chemica Scandinavica, 1975, 29a, 499-504.	0.7	9