

# Carmen Bergom

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

1,475  
citations

304743

22  
h-index

345221

36  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1912  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Inspiration Breath Hold: Techniques and Advantages for Cardiac Sparing During Breast Cancer Irradiation. <i>Frontiers in Oncology</i> , 2018, 8, 87.	2.8	138
2	PECAM-1 functions as a specific and potent inhibitor of mitochondrial-dependent apoptosis. <i>Blood</i> , 2003, 102, 169-179.	1.4	113
3	Endothelial cell PECAM-1 confers protection against endotoxic shock. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H159-H164.	3.2	95
4	Cardiovascular Manifestations From Therapeutic Radiation. <i>JACC: CardioOncology</i> , 2021, 3, 360-380.	4.0	81
5	Cardiac radiotherapy induces electrical conduction reprogramming in the absence of transmural fibrosis. <i>Nature Communications</i> , 2021, 12, 5558.	12.8	75
6	The Implications of Genetic Testing on Radiation Therapy Decisions: A Guide for Radiation Oncologists. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 698-712.	0.8	69
7	Combined Hydration and Antibiotics with Lisinopril to Mitigate Acute and Delayed High-dose Radiation Injuries to Multiple Organs. <i>Health Physics</i> , 2016, 111, 410-419.	0.5	58
8	Prone Whole-Breast Irradiation Using Three-Dimensional Conformal Radiotherapy in Women Undergoing Breast Conservation for Early Disease Yields High Rates of Excellent to Good Cosmetic Outcomes in Patients With Large and/or Pendulous Breasts. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 821-828.	0.8	50
9	Precision Oncology and Genomically Guided Radiation Therapy: A Report From the American Society for Radiation Oncology/American Association of Physicists in Medicine/National Cancer Institute Precision Medicine Conference. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 274-284.	0.8	50
10	STAT5A/B Blockade Sensitizes Prostate Cancer to Radiation through Inhibition of RAD51 and DNA Repair. <i>Clinical Cancer Research</i> , 2018, 24, 1917-1931.	7.0	48
11	The Role of Mitochondrial Dysfunction in Radiation-Induced Heart Disease: From Bench to Bedside. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 20.	2.4	41
12	Advances in Preclinical Research Models of Radiation-Induced Cardiac Toxicity. <i>Cancers</i> , 2020, 12, 415.	3.7	40
13	Mechanisms of PECAM-1-mediated cytoprotection and implications for cancer cell survival. <i>Leukemia and Lymphoma</i> , 2005, 46, 1409-1421.	1.3	35
14	Nationwide Trends in Heart-Sparing Techniques Utilized in Radiation Therapy for Breast Cancer. <i>Advances in Radiation Oncology</i> , 2019, 4, 246-252.	1.2	32
15	Mapping genetic modifiers of radiation-induced cardiotoxicity to rat chromosome 3. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1267-H1280.	3.2	30
16	Genetic Modifiers of the Breast Tumor Microenvironment. <i>Trends in Cancer</i> , 2018, 4, 429-444.	7.4	29
17	The cell-adhesion and signaling molecule PECAM-1 is a molecular mediator of resistance to genotoxic chemotherapy. <i>Cancer Biology and Therapy</i> , 2006, 5, 1699-1707.	3.4	28
18	Risk of cancer death by comorbidity severity and use of adjuvant chemotherapy among women with locoregional breast cancer. <i>Journal of Geriatric Oncology</i> , 2018, 9, 214-220.	1.0	26

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19	Cardiac sub-volume targeting demonstrates regional radiosensitivity in the mouse heart. <i>Radiotherapy and Oncology</i> , 2020, 152, 216-221.	0.6	26
20	The SmgGDS Splice Variant SmgGDS-558 Is a Key Promoter of Tumor Growth and RhoA Signaling in Breast Cancer. <i>Molecular Cancer Research</i> , 2014, 12, 130-142.	3.4	24
21	The Tumor-suppressive Small GTPase DiRas1 Binds the Noncanonical Guanine Nucleotide Exchange Factor SmgGDS and Antagonizes SmgGDS Interactions with Oncogenic Small GTPases. <i>Journal of Biological Chemistry</i> , 2016, 291, 6534-6545.	3.4	24
22	Breast Cancer in Women Aged 80 Years or Older: An Analysis of Treatment Patterns and Disease Outcomes. <i>Clinical Breast Cancer</i> , 2019, 19, 157-164.	2.4	22
23	Cardiac Remodeling and Reversible Pulmonary Hypertension During Pneumonitis in Rats after 13-Gy Partial-Body Irradiation with Minimal Bone Marrow Sparing: Effect of Lisinopril. <i>Health Physics</i> , 2019, 116, 558-565.	0.5	22
24	A phase I/II study piloting accelerated partial breast irradiation using CT-guided intensity modulated radiation therapy in the prone position. <i>Radiotherapy and Oncology</i> , 2013, 108, 215-219.	0.6	19
25	Association of Locoregional Control With High Body Mass Index in Women Undergoing Breast Conservation Therapy for Early-Stage Breast Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 65-71.	0.8	19
26	Host genetic modifiers of nonproductive angiogenesis inhibit breast cancer. <i>Breast Cancer Research and Treatment</i> , 2017, 165, 53-64.	2.5	19
27	Dosimetric Predictors of Cardiotoxicity in Thoracic Radiotherapy for Lung Cancer. <i>Clinical Lung Cancer</i> , 2019, 20, 435-441.	2.6	19
28	Methods for detecting host genetic modifiers of tumor vascular function using dynamic near-infrared fluorescence imaging. <i>Biomedical Optics Express</i> , 2018, 9, 543.	2.9	18
29	Adaptive Replanning to Account for Lumpectomy Cavity Change in Sequential Boost After Whole-Breast Irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 1208-1215.	0.8	15
30	Heritable modifiers of the tumor microenvironment influence nanoparticle uptake, distribution and response to photothermal therapy. <i>Theranostics</i> , 2020, 10, 5368-5383.	10.0	15
31	An alternatively spliced isoform of PECAM-1 is expressed at high levels in human and murine tissues, and suggests a novel role for the C-terminus of PECAM-1 in cytoprotective signaling. <i>Journal of Cell Science</i> , 2008, 121, 1235-1242.	2.0	13
32	A Comparison of Lumpectomy Cavity Delineations Between Use of Magnetic Resonance Imaging and Computed Tomography Acquired With Patient in Prone Position for Radiation Therapy Planning of Breast Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 832-840.	0.8	13
33	Cardiac Magnetic Resonance for Early Detection of Radiation Therapy-Induced Cardiotoxicity in a Small Animal Model. <i>JACC: CardioOncology</i> , 2021, 3, 113-130.	4.0	13
34	Concurrent Radiation and Immunotherapy. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2019, 42, 208-214.	1.3	11
35	Differences in Expression of Mitochondrial Complexes Due to Genetic Variants May Alter Sensitivity to Radiation-Induced Cardiac Dysfunction. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 23.	2.4	11
36	A National Survey of Breast Surgeons and Radiation Oncologists on Contemporary Axillary Management in Mastectomy Patients. <i>Annals of Surgical Oncology</i> , 2021, 28, 5568-5579.	1.5	11

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37	Invasive Breast Cancer Treatment Patterns in Women Age 80 and Over: A Report from the National Cancer Database. <i>Clinical Breast Cancer</i> , 2022, 22, 49-59.	2.4	11
38	NRG-BR007: A phase III trial evaluating de-escalation of breast radiation (DEBRA) following breast-conserving surgery (BCS) of stage 1, hormone receptor+, HER2-, RS 18 breast cancer.. <i>Journal of Clinical Oncology</i> , 2022, 40, TPS613-TPS613.	1.6	11
39	A Pilot Study of Cardiac MRI in Breast Cancer Survivors After Cardiotoxic Chemotherapy and Three-Dimensional Conformal Radiotherapy. <i>Frontiers in Oncology</i> , 2020, 10, 506739.	2.8	10
40	A rapid dynamic in vivo near-infrared fluorescence imaging assay to track lung vascular permeability after acute radiation injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L436-L450.	2.9	9
41	Management of the axilla after neo-adjuvant chemotherapy for breast cancer: Sentinel node biopsy and radiotherapy considerations. <i>Breast Journal</i> , 2018, 24, 902-910.	1.0	7
42	Optimized cardiac functional MRI of small-animal models of cancer radiation therapy. <i>Magnetic Resonance Imaging</i> , 2020, 73, 130-137.	1.8	6
43	Acquired Immunity Is Not Essential for Radiation-Induced Heart Dysfunction but Exerts a Complex Impact on Injury. <i>Cancers</i> , 2020, 12, 983.	3.7	6
44	Value CMR: Towards a Comprehensive, Rapid, Cost-Effective Cardiovascular Magnetic Resonance Imaging. <i>International Journal of Biomedical Imaging</i> , 2021, 2021, 1-12.	3.9	6
45	Bridging the gap to advance the care of individuals with cancer: collaboration and partnership in the Cardiology Oncology Innovation Network (COIN). <i>Cardio-Oncology</i> , 2022, 8, 2.	1.7	6
46	Reducing the Human Burden of Breast Cancer: Advanced Radiation Therapy Yields Improved Treatment Outcomes. <i>Breast Journal</i> , 2015, 21, 610-620.	1.0	4
47	The influence of breast cancer subtype on survival after palliative radiation for osseous metastases. <i>Cancer Medicine</i> , 2020, 9, 8979-8988.	2.8	4
48	ASO Visual Abstract: A National Survey of Breast Surgeons and Radiation Oncologists on Contemporary Axillary Management in Mastectomy Patients. <i>Annals of Surgical Oncology</i> , 2021, 28, 588-588.	1.5	4
49	Breast cancer-related lymphedema rates after modern axillary treatments: How accurate are our estimates?. <i>Surgery</i> , 2022, 171, 682-686.	1.9	4
50	Radiation-induced cardiac dysfunction: Practical implications. <i>Kardiologia Polska</i> , 2022, 80, 256-265.	0.6	4
51	Deep Inspiration Breath Hold. , 2016, , 79-97.		3
52	Image Guided Evolution of Nodal Contouring Guidelines in Breast Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 592-594.	0.8	3
53	Neuronatin is a modifier of estrogen receptor-positive breast cancer incidence and outcome. <i>Breast Cancer Research and Treatment</i> , 2019, 177, 77-91.	2.5	3
54	Predicting Radiation-Induced Heart Disease and Survival—Is Location the Key?. <i>JAMA Oncology</i> , 2021, 7, 193.	7.1	3

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55	Mapping Mammary Tumor Traits in the Rat. <i>Methods in Molecular Biology</i> , 2019, 2018, 249-267.	0.9	3
56	Surgery in the Older Patient with Breast Cancer. <i>Current Oncology Reports</i> , 2019, 21, 69.	4.0	2
57	Radiation-Induced Cardiac Dysfunction. <i>Heart Failure Clinics</i> , 2022, 18, 403-413.	2.1	2
58	Abstract PD7-07: Neoadjuvant endocrine therapy helps identify HER2 up-regulation in patients with hormone receptor-positive HER2-negative breast cancer. , 2021, , .		1
59	Treatment Patterns in Women Age 80 and Over With DCIS: A Report From the National Cancer Database. <i>Clinical Breast Cancer</i> , 2022, 22, 547-552.	2.4	1
60	Assessment and management of interfraction variations of lumpectomy cavities in accelerated partial breast irradiation. <i>Therapeutic Radiology and Oncology</i> , 0, 3, 13-13.	0.2	0
61	Abstract 4443: The tumor suppressive small GTPase DiRas1 binds the RhoGEF SmgGDS and antagonizes RhoA activation. , 2014, , .		0
62	Abstract P1-15-17: Sustained acceptable cosmetic outcomes and local control following accelerated partial breast irradiation using CT-guided IMRT in the prone position: Results from a phase I/II feasibility study. , 2015, , .		0
63	Abstract 3217: NextGen strategies for mapping genetic modifiers in the tumor microenvironment. , 2015, , .		0
64	Abstract 3678: The tumor suppressive small GTPase DiRas3 (ARHI) inhibits proliferation and activation of NF- $\kappa$ B in glioblastoma. , 2016, , .		0
65	Abstract B07: Utilizing consomic xenograft models to identify genetic variants in the tumor microenvironment that determine breast cancer radiation responses. , 2016, , .		0
66	New Insights into the Role of SmgGDS as a Major Integrator of Signaling by Ras and Rho Family Members in Cancer. <i>FASEB Journal</i> , 2018, 32, 661.8.	0.5	0
67	Abstract P4-02-03: HER1-4 protein up-regulation following short-term neoadjuvant endocrine therapy in patients with hormone receptor-positive HER2-negative breast cancer. <i>Cancer Research</i> , 2022, 82, P4-02-03-P4-02-03.	0.9	0
68	What Doesn't Kill You Makes You Strongerâ€”Even Heart Radiation?. <i>FASEB Journal</i> , 2022, 36, .	0.5	0