

# Marianne C Aznar

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89  
papers

2,909  
citations

28  
h-index

52  
g-index

102  
ext. papers

3,733  
ext. citations

3  
avg, IF

5.02  
L-index

#	Paper	IF	Citations
89	European Society for Radiotherapy and Oncology Advisory Committee in Radiation Oncology Practice consensus recommendations on patient selection and dose and fractionation for external beam radiotherapy in early breast cancer.. <i>Lancet Oncology, The</i> , <b>2022</b> , 23, e21-e31	21.7	9
88	In Reply to Ebert et al.. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2022</b> , 112, 833-834	4	0
87	Image-based data mining applies to data collected from children. <i>Physica Medica</i> , <b>2022</b> , 99, 31-43	2.7	1
86	The role of motion management and position verification in lymphoma radiotherapy. <i>British Journal of Radiology</i> , <b>2021</b> , 94, 20210618	3.4	0
85	Dual-energy computed tomography: Survey results on current uses and barriers to further implementation. <i>British Journal of Radiology</i> , <b>2021</b> , 94, 20210565	3.4	0
84	Learning healthcare systems and rapid learning in radiation oncology: Where are we and where are we going?. <i>Radiotherapy and Oncology</i> , <b>2021</b> , 164, 183-195	5.3	0
83	Exposure of the oesophagus in breast cancer radiotherapy: A systematic review of oesophagus doses published 2010-2020. <i>Radiotherapy and Oncology</i> , <b>2021</b> , 164, 261-267	5.3	1
82	Novel methodology to assess the effect of contouring variation on treatment outcome. <i>Medical Physics</i> , <b>2021</b> , 48, 3234-3242	4.4	1
81	Tricks and tips for target volume definition and delineation in breast cancer: Lessons learned from ESTRO breast courses. <i>Radiotherapy and Oncology</i> , <b>2021</b> , 162, 185-194	5.3	1
80	No changes in myocardial perfusion following radiation therapy of left-sided breast cancer: A positron emission tomography study. <i>Journal of Nuclear Cardiology</i> , <b>2021</b> , 28, 1923-1932	2.1	1
79	Cardiac Toxicity of Thoracic Radiotherapy: Existing Evidence and Future Directions. <i>Journal of Thoracic Oncology</i> , <b>2021</b> , 16, 216-227	8.9	25
78	Flogging a Dead Salmon? Reduced Dose Posterior to Prostate Correlates With Increased PSA Progression in Voxel-Based Analysis of 3 Randomized Phase 3 Trials. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2021</b> , 110, 696-699	4	6
77	Professional practice changes in radiotherapy physics during the COVID-19 pandemic. <i>Physics and Imaging in Radiation Oncology</i> , <b>2021</b> , 19, 25-32	3.1	1
76	Streamlining the image-guided radiotherapy process for proton beam therapy. <i>British Journal of Radiology</i> , <b>2021</b> , 94, 20210764	3.4	0
75	Low dose cone beam CT for paediatric image-guided radiotherapy: Image quality and practical recommendations. <i>Radiotherapy and Oncology</i> , <b>2021</b> , 163, 68-75	5.3	0
74	Tumour control probability after Ruthenium-106 brachytherapy for choroidal melanomas. <i>Acta Oncologica</i> , <b>2020</b> , 59, 918-925	3.2	5
73	Patterns of practice for adaptive and real-time radiation therapy (POP-ART RT) part I: Intra-fraction breathing motion management. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 153, 79-87	5.3	10

72	Biological optimization for mediastinal lymphoma radiotherapy - a preliminary study. <i>Acta Oncologica</i> , <b>2020</b> , 59, 879-887	3.2	5
71	Conducting research in Radiation Oncology remotely during the COVID-19 pandemic: Coping with isolation. <i>Clinical and Translational Radiation Oncology</i> , <b>2020</b> , 24, 53-59	4.6	6
70	Patterns of practice for adaptive and real-time radiation therapy (POP-ART RT) part II: Offline and online plan adaption for interfractional changes. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 153, 88-96	5.3	16
69	Patient reported upper gastro-intestinal symptoms associated with fractionated image-guided conformal radiotherapy for metastatic spinal cord compression. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , <b>2020</b> , 13, 1-5	1.9	0
68	Inter-fraction robustness of intensity-modulated proton therapy in the post-operative treatment of oropharyngeal and oral cavity squamous cell carcinomas. <i>British Journal of Radiology</i> , <b>2020</b> , 93, 20190638	3.4	7
67	Cardiac sub-volume targeting demonstrates regional radiosensitivity in the mouse heart. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 152, 216-221	5.3	11
66	Image Based Data Mining Using Per-voxel Cox Regression. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 1178	5.3	9
65	Dose-response relationships for radiation-related heart disease: Impact of uncertainties in cardiac dose reconstruction. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 153, 155-162	5.3	4
64	Deep inspiration breath hold in locally advanced lung cancer radiotherapy: validation of intrafractional geometric uncertainties in the INHALE trial. <i>British Journal of Radiology</i> , <b>2019</b> , 92, 20190569	3.4	11
63	The evolving role of radiotherapy in non-small cell lung cancer. <i>British Journal of Radiology</i> , <b>2019</b> , 92, 20190524	3.4	31
62	Adaptive Radiotherapy for Anatomical Changes. <i>Seminars in Radiation Oncology</i> , <b>2019</b> , 29, 245-257	5.5	60
61	Clinical Intensity Modulated Proton Therapy for Hodgkin Lymphoma: Which Patients Benefit the Most?. <i>Practical Radiation Oncology</i> , <b>2019</b> , 9, 179-187	2.8	19
60	Exposure of the lungs in breast cancer radiotherapy: A systematic review of lung doses published 2010-2015. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 126, 148-154	5.3	56
59	A Competing Risk Model of First Failure Site after Definitive Chemoradiation Therapy for Locally Advanced Non-Small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , <b>2018</b> , 13, 559-567	8.9	7
58	Metal artefact reduction for accurate tumour delineation in radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 126, 479-486	5.3	18
57	Repeatability of FDG PET/CT metrics assessed in free breathing and deep inspiration breath hold in lung cancer patients. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2018</b> , 8, 127-136	2.2	1
56	Residual Setup Errors Towards the Heart After Image Guidance Linked With Poorer Survival in Lung Cancer Patients: Do We Need Stricter IGRT Protocols?. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2018</b> , 102, 434-442	4	26
55	Retrospective estimation of heart and lung doses in pediatric patients treated with spinal irradiation. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 128, 209-213	5.3	2

54	A cardiac contouring atlas for radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2017</b> , 122, 416-422	5.3	126
53	Interobserver delineation uncertainty in involved-node radiation therapy (INRT) for early-stage Hodgkin lymphoma: on behalf of the Radiotherapy Committee of the EORTC lymphoma group. <i>Acta Oncologica</i> , <b>2017</b> , 56, 608-613	3.2	9
52	The role of technology in clinical trials using stereotactic body radiotherapy. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20160930	3.4	3
51	Modelling duodenum radiotherapy toxicity using cohort dose-volume-histogram data. <i>Radiotherapy and Oncology</i> , <b>2017</b> , 123, 431-437	5.3	12
50	A modeling study of functional magnetic resonance imaging to individualize target definition of seminal vesicles for external beam radiotherapy. <i>Acta Oncologica</i> , <b>2017</b> , 56, 799-805	3.2	2
49	Joint Estimation of Cardiac Toxicity and Recurrence Risks After Comprehensive Nodal Photon Versus Proton Therapy for Breast Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2017</b> , 97, 754-761	4	28
48	Estimating the Risks of Breast Cancer Radiotherapy: Evidence From Modern Radiation Doses to the Lungs and Heart and From Previous Randomized Trials. <i>Journal of Clinical Oncology</i> , <b>2017</b> , 35, 1641-1649 <sup>2.2</sup>	2.2	348
47	FLT-PET for early response evaluation of colorectal cancer patients with liver metastases: a prospective study. <i>EJNMMI Research</i> , <b>2017</b> , 7, 56	3.6	4
46	Long-term hospitalisation rates among 5-year survivors of Hodgkin lymphoma in adolescence or young adulthood: A nationwide cohort study. <i>International Journal of Cancer</i> , <b>2017</b> , 140, 2232-2245	7.5	10
45	Feasibility of Multiparametric Imaging with PET/MR in Head and Neck Squamous Cell Carcinoma. <i>Journal of Nuclear Medicine</i> , <b>2017</b> , 58, 69-74	8.9	34
44	Cumulative burden of disease: a relevant measure of the late side-effects of cancer treatment. <i>Lancet Oncology</i> , <b>2016</b> , 17, 1189-90	21.7	1
43	Deep inspiration breath-hold volumetric modulated arc radiotherapy decreases dose to mediastinal structures in locally advanced lung cancer. <i>Acta Oncologica</i> , <b>2016</b> , 55, 1053-6	3.2	3
42	Deep inspiration breath-hold radiotherapy for lung cancer: impact on image quality and registration uncertainty in cone beam CT image guidance. <i>British Journal of Radiology</i> , <b>2016</b> , 89, 20160544 <sup>2.4</sup>	2.4	12
41	ESTRO consensus guideline on target volume delineation for elective radiation therapy of early stage breast cancer, version 1.1. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 118, 205-8	5.3	105
40	Robustness of the Voluntary Breath-Hold Approach for the Treatment of Peripheral Lung Tumors Using Hypofractionated Pencil Beam Scanning Proton Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2016</b> , 95, 534-541	4	25
39	Phase I trial of 18F-Fludeoxyglucose based radiation dose painting with concomitant cisplatin in head and neck cancer. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 120, 76-80	5.3	40
38	Geometric uncertainties in voluntary deep inspiration breath hold radiotherapy for locally advanced lung cancer. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 118, 510-4	5.3	29
37	Ionizing Radiation Potentiates High-Fat Diet-Induced Insulin Resistance and Reprograms Skeletal Muscle and Adipose Progenitor Cells. <i>Diabetes</i> , <b>2016</b> , 65, 3573-3584	0.9	25

36	Minimizing late effects for patients with mediastinal Hodgkin lymphoma: deep inspiration breath-hold, IMRT, or both?. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2015</b> , 92, 169-74		84
35	Prospective phase II trial of image-guided radiotherapy in Hodgkin lymphoma: benefit of deep inspiration breath-hold. <i>Acta Oncologica</i> , <b>2015</b> , 54, 60-6	3.2	65
34	Spatio-temporal stability of pre-treatment 18F-Fludeoxyglucose uptake in head and neck squamous cell carcinomas sufficient for dose painting. <i>Acta Oncologica</i> , <b>2015</b> , 54, 1416-22	3.2	12
33	The potential role of modern radiotherapy techniques in the treatment of malignant spinal cord compression: a dose planning study. <i>Journal of Radiotherapy in Practice</i> , <b>2015</b> , 14, 418-424	0.4	2
32	Prognostic value of 18F-fludeoxyglucose uptake in 287 patients with head and neck squamous cell carcinoma. <i>Head and Neck</i> , <b>2015</b> , 37, 1274-81	4.2	17
31	ESTRO consensus guideline on target volume delineation for elective radiation therapy of early stage breast cancer. <i>Radiotherapy and Oncology</i> , <b>2015</b> , 114, 3-10	5.3	281
30	Recurrences after intensity modulated radiotherapy for head and neck squamous cell carcinoma more likely to originate from regions with high baseline [18F]-FDG uptake. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 111, 360-5	5.3	84
29	Irregular breathing during 4DCT scanning of lung cancer patients: is the midventilation approach robust?. <i>Physica Medica</i> , <b>2014</b> , 30, 69-75	2.7	18
28	Prescribing and evaluating target dose in dose-painting treatment plans. <i>Acta Oncologica</i> , <b>2014</b> , 53, 1251-52	5.2	7
27	Optimizing the radiation therapy dose prescription for pediatric medulloblastoma: minimizing the life years lost attributable to failure to control the disease and late complication risk. <i>Acta Oncologica</i> , <b>2014</b> , 53, 462-70	3.2	14
26	Interactive decision-support tool for risk-based radiation therapy plan comparison for Hodgkin lymphoma. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2014</b> , 88, 433-45	4	30
25	Doses to carotid arteries after modern radiation therapy for Hodgkin lymphoma: is stroke still a late effect of treatment?. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2013</b> , 87, 297-303	4	25
24	Three-dimensional MRI-linac intra-fraction guidance using multiple orthogonal cine-MRI planes. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 4943-50	3.8	65
23	Involved node radiation therapy: an effective alternative in early-stage Hodgkin lymphoma. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2013</b> , 85, 1057-65	4	57
22	Percutaneously implanted markers in peripheral lung tumours: report of complications. <i>Acta Oncologica</i> , <b>2013</b> , 52, 1225-8	3.2	8
21	Deep inspiration breath hold radiotherapy for locally advanced lung cancer: comparison of different treatment techniques on target coverage, lung dose and treatment delivery time. <i>Acta Oncologica</i> , <b>2013</b> , 52, 1582-6	3.2	18
20	The effect on esophagus after different radiotherapy techniques for early stage Hodgkin lymphoma. <i>Acta Oncologica</i> , <b>2013</b> , 52, 1559-65	3.2	24
19	Reduced lung dose and improved inspiration level reproducibility in visually guided DIBH compared to audio coached EIG radiotherapy for breast cancer patients. <i>Acta Oncologica</i> , <b>2013</b> , 52, 1458-63	3.2	33

18	Failure-probability driven dose painting. <i>Medical Physics</i> , <b>2013</b> , 40, 081717	4.4	23
17	Stability of percutaneously implanted markers for lung stereotactic radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , <b>2013</b> , 14, 187-95	2.3	18
16	Quality indicators for breast cancer: revisiting historical evidence in the context of technology changes. <i>Seminars in Radiation Oncology</i> , <b>2012</b> , 22, 29-39	5.5	57
15	Risk of developing cardiovascular disease after involved node radiotherapy versus mantle field for Hodgkin lymphoma. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2012</b> , 83, 1232-7	4	71
14	The dosimetric impact of inversely optimized arc radiotherapy plan modulation for real-time dynamic MLC tracking delivery. <i>Medical Physics</i> , <b>2012</b> , 39, 1588-94	4.4	18
13	Life years lost--comparing potentially fatal late complications after radiotherapy for pediatric medulloblastoma on a common scale. <i>Cancer</i> , <b>2012</b> , 118, 5432-40	6.4	51
12	Radiobiological risk estimates of adverse events and secondary cancer for proton and photon radiation therapy of pediatric medulloblastoma. <i>Acta Oncologica</i> , <b>2011</b> , 50, 806-16	3.2	105
11	Estimated radiation pneumonitis risk after photon versus proton therapy alone or combined with chemotherapy for lung cancer. <i>Acta Oncologica</i> , <b>2011</b> , 50, 772-6	3.2	21
10	A closer look at RapidArc <sup>®</sup> radiosurgery plans using very small fields. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 1853-63	3.8	21
9	Rotational radiotherapy for prostate cancer in clinical practice. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 97, 480-4	5.3	43
8	A treatment planning study of the potential of geometrical tracking for intensity modulated proton therapy of lung cancer. <i>Acta Oncologica</i> , <b>2010</b> , 49, 1141-8	3.2	10
7	Methodologies for localizing loco-regional hypopharyngeal carcinoma recurrences in relation to FDG-PET positive and clinical radiation therapy target volumes. <i>Acta Oncologica</i> , <b>2010</b> , 49, 984-90	3.2	10
6	Absorbed Dose Measurement in Mammography <b>2008</b> , 493-501		1
5	Influence of the stem effect on radioluminescence signals from optical fibre Al <sub>2</sub> O <sub>3</sub> :C dosimeters. <i>Radiation Protection Dosimetry</i> , <b>2006</b> , 119, 363-7	0.9	32
4	Optical fibre dosimeter systems for clinical applications based on radioluminescence and optically stimulated luminescence from Al <sub>2</sub> O <sub>3</sub> :C. <i>Radiation Protection Dosimetry</i> , <b>2006</b> , 120, 28-32	0.9	34
3	Real-time optical-fibre luminescence dosimetry for radiotherapy: physical characteristics and applications in photon beams. <i>Physics in Medicine and Biology</i> , <b>2004</b> , 49, 1655-69	3.8	120
2	Deep inspiration breath hold to reduce irradiated heart volume in breast cancer patients. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2001</b> , 49, 199-204	4	204
1	Positron emission mammographic instrument: initial results. <i>Radiology</i> , <b>2000</b> , 215, 280-5	20.5	51

