

Bryan P Bednarz

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.

40
papers

526
citations

12
h-index

22
g-index

44
ext. papers

758
ext. citations

4.5
avg, IF

3.73
L-index

#	Paper	IF	Citations
40	Clinical Imaging and Dosimetry of a Pan-Cancer Targeting Alkylphosphocholine Analog, [124I]I-NM404. <i>Radiation</i> , 2022 , 2, 215-227		
39	Overview of the First NRG Oncology-National Cancer Institute Workshop on Dosimetry of Systemic Radiopharmaceutical Therapy. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 1133-1139	8.9	5
38	3D dosimetric validation of ultrasound-guided radiotherapy with a dynamically deformable abdominal phantom. <i>Physica Medica</i> , 2021 , 84, 159-167	2.7	2
37	Low-Dose Radiation Potentiates the Propagation of Anti-Tumor Immunity against Melanoma Tumor in the Brain after In Situ Vaccination at a Tumor outside the Brain. <i>Radiation Research</i> , 2021 , 195, 522-540	3.1	1
36	Low-dose targeted radionuclide therapy renders immunologically cold tumors responsive to immune checkpoint blockade. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	14
35	Current Status of Radiopharmaceutical Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 109, 891-901	4	18
34	Temporal analysis of type 1 interferon activation in tumor cells following external beam radiotherapy or targeted radionuclide therapy. <i>Theranostics</i> , 2021 , 11, 6120-6137	12.1	10
33	Safety and feasibility of an in situ vaccination and immunomodulatory targeted radionuclide combination immuno-radiotherapy approach in a comparative (companion dog) setting. <i>PLoS ONE</i> , 2021 , 16, e0255798	3.7	1
32	First-in-human imaging using a MR-compatible e4D ultrasound probe for motion management of radiotherapy. <i>Physica Medica</i> , 2021 , 88, 104-110	2.7	1
31	An improved abdominal phantom for intrafraction image guidance validation. <i>Physics in Medicine and Biology</i> , 2020 , 65, 13NT02	3.8	2
30	New capabilities of the Monte Carlo dose engine ARCHER-RT: Clinical validation of the Varian TrueBeam machine for VMAT external beam radiotherapy. <i>Medical Physics</i> , 2020 , 47, 2537-2549	4.4	2
29	Assessment of out-of-field doses in radiotherapy treatments of paediatric patients using Monte Carlo methods and measurements. <i>Physica Medica</i> , 2020 , 71, 53-61	2.7	3
28	Investigation of tumor and vessel motion correlation in the liver. <i>Journal of Applied Clinical Medical Physics</i> , 2020 , 21, 183-190	2.3	1
27	Improved production of Br, Br and Br via CoSe cyclotron targets and vertical dry distillation. <i>Nuclear Medicine and Biology</i> , 2020 , 80-81, 32-36	2.1	8
26	Preclinical Characterization of Y-NM600 in a Variety of Murine and Human Cancer Tumor Models. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 1622-1628	8.9	9
25	Preclinical Pharmacokinetics and Dosimetry Studies of I/I-CLR1404 for Treatment of Pediatric Solid Tumors in Murine Xenograft Models. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 1414-1420	8.9	10
24	Deformable abdominal phantom for the validation of real-time image guidance and deformable dose accumulation. <i>Journal of Applied Clinical Medical Physics</i> , 2019 , 20, 122-133	2.3	6

23	Pretreatment CLR 124 Positron Emission Tomography Accurately Predicts CLR 131 Three-Dimensional Dosimetry in a Triple-Negative Breast Cancer Patient. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2019 , 34, 13-23	3.9	1
22	Murine-specific Internal Dosimetry for Preclinical Investigations of Imaging and Therapeutic Agents. <i>Health Physics</i> , 2018 , 114, 450-459	2.3	9
21	CLR 125 Auger Electrons for the Targeted Radiotherapy of Triple-Negative Breast Cancer. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2018 , 33, 87-95	3.9	7
20	Development and Validation of RAPID: A Patient-Specific Monte Carlo Three-Dimensional Internal Dosimetry Platform. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2018 , 33, 155-165	3.9	28
19	Targeted Molecular Radiotherapy of Pediatric Solid Tumors Using a Radioiodinated Alkyl-Phospholipid Ether Analog. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 244-250	8.9	14
18	Enhanced Radiosensitivity in Solid Tumors using a Tumor-selective Alkyl Phospholipid Ether Analog. <i>Molecular Cancer Therapeutics</i> , 2018 , 17, 2320-2328	6.1	1
17	Modeling Cell and Tumor-Metastasis Dosimetry with the Particle and Heavy Ion Transport Code System (PHITS) Software for Targeted Alpha-Particle Radionuclide Therapy. <i>Radiation Research</i> , 2018 , 190, 236-247	3.1	7
16	Technical Note: Characterization of clinical linear accelerator triggering latency for motion management system development. <i>Medical Physics</i> , 2018 , 45, 4816-4821	4.4	3
15	A Magnetic Resonance Compatible E4D Ultrasound Probe for Motion Management of Radiation Therapy. <i>IEEE Network</i> , 2017 , 2017,	11.4	2
14	A magnetic resonance compatible E4D ultrasound probe for motion management of radiation therapy 2017 ,		3
13	Dosimetric comparison of DEFGEL and PAGAT formulae paired with an MRI acquisition. <i>Journal of Physics: Conference Series</i> , 2017 , 847,	0.3	3
12	A block matching based approach with multiple simultaneous templates for the real-time 2D ultrasound tracking of liver vessels. <i>Medical Physics</i> , 2017 , 44, 5889-5900	4.4	15
11	AAPM TG 158: Measurement and calculation of doses outside the treated volume from external-beam radiation therapy. <i>Medical Physics</i> , 2017 , 44, e391-e429	4.4	125
10	An analysis of the ArcCHECK-MR diode array's performance for ViewRay quality assurance. <i>Journal of Applied Clinical Medical Physics</i> , 2017 , 18, 161-171	2.3	11
9	Biological characterization of a novel in vitro cell irradiator. <i>PLoS ONE</i> , 2017 , 12, e0189494	3.7	3
8	(19)F-MRI for monitoring human NK cells in vivo. <i>Oncotmmunology</i> , 2016 , 5, e1143996	7.2	38
7	Therapeutic combination of radiolabeled CLR1404 with external beam radiation in head and neck cancer model systems. <i>Radiotherapy and Oncology</i> , 2015 , 116, 504-9	5.3	12
6	Respiration induced fiducial motion tracking in ultrasound using an extended SFA approach 2015 ,		3

5	AXL Is a Logical Molecular Target in Head and Neck Squamous Cell Carcinoma. <i>Clinical Cancer Research</i> , 2015 , 21, 2601-12	12.9	71
4	High-throughput detection of DNA double-strand breaks using image cytometry. <i>BioTechniques</i> , 2015 , 58, 37-9	2.5	7
3	ARCHERT - a GPU-based and photon-electron coupled Monte Carlo dose computing engine for radiation therapy: software development and application to helical tomotherapy. <i>Medical Physics</i> , 2014 , 41, 071709	4.4	14
2	The clinical impact of uncertainties in the mean excitation energy of human tissues during proton therapy. <i>Physics in Medicine and Biology</i> , 2013 , 58, 887-902	3.8	36
1	Uncertainties and correction methods when modeling passive scattering proton therapy treatment heads with Monte Carlo. <i>Physics in Medicine and Biology</i> , 2011 , 56, 2837-54	3.8	17