

Mark W Mcdonald

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,638
citations

361045
20
h-index

301761
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docs citations

54
times ranked

2395
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone Marrow Suppression during Postoperative Radiation for Bladder Cancer and Comparative Benefit of Proton Therapy—Phase 2 Trial Secondary Analysis. <i>International Journal of Particle Therapy</i> , 2022, 8, 1-10.	0.9	4
2	Dosimetric Uncertainties in Dominant Intraprostatic Lesion Simultaneous Boost Using Intensity Modulated Proton Therapy. <i>Advances in Radiation Oncology</i> , 2022, 7, 100826.	0.6	5
3	Learning-based synthetic dual energy CT imaging from single energy CT for stopping power ratio calculation in proton radiation therapy. <i>British Journal of Radiology</i> , 2022, 95, 20210644.	1.0	9
4	Onboard cone-beam CT-based replan evaluation for head and neck proton therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13550.	0.8	9
5	Learning-Based Stopping Power Mapping on Dual-Energy CT for Proton Radiation Therapy. <i>International Journal of Particle Therapy</i> , 2021, 7, 46-60.	0.9	5
6	Head-and-neck organs-at-risk auto-delineation using dual pyramid networks for CBCT-guided adaptive radiotherapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 045021.	1.6	29
7	Socioeconomic Factors Influence the Impact of Tumor HPV Status on Outcome of Patients With Oropharyngeal Squamous Cell Carcinoma. <i>JCO Oncology Practice</i> , 2021, 17, e313-e322.	1.4	12
8	Synthetic dual-energy CT for MRI-only based proton therapy treatment planning using label-GAN. <i>Physics in Medicine and Biology</i> , 2021, 66, 065014.	1.6	18
9	Head and neck multi-organ segmentation on dual-energy CT using dual pyramid convolutional neural networks. <i>Physics in Medicine and Biology</i> , 2021, 66, 115008.	1.6	9
10	A Systematic Review on Re-irradiation with Charged Particle Beam Therapy in the Management of Locally Recurrent Skull Base and Head and Neck Tumors. <i>International Journal of Particle Therapy</i> , 2021, 8, 131-154.	0.9	8
11	Automated delineation of head and neck organs at risk using synthetic MRI-aided mask scoring regional convolutional neural network. <i>Medical Physics</i> , 2021, 48, 5862-5873.	1.6	21
12	Intensity Modulated Proton Therapy Treatment Planning for Postmastectomy Patients with Metallic Port Tissue Expanders. <i>Advances in Radiation Oncology</i> , 2021, 7, 100825.	0.6	1
13	The omission of intentional primary site radiation following transoral robotic surgery in 59 patients: No local-regional failures. <i>Head and Neck</i> , 2021, 44, 382.	0.9	6
14	Survival outcomes in patients with gastric and gastroesophageal junction adenocarcinomas treated with perioperative chemotherapy with or without preoperative radiotherapy. <i>Cancer</i> , 2020, 126, 37-45.	2.0	11
15	Overall Survival After Treatment of Localized Prostate Cancer With Proton Beam Therapy, External-Beam Photon Therapy, or Brachytherapy. <i>Clinical Genitourinary Cancer</i> , 2020, 19, 255-266.e7.	0.9	9
16	Head and neck multi-organ auto-segmentation on CT images aided by synthetic MRI. <i>Medical Physics</i> , 2020, 47, 4294-4302.	1.6	31
17	Technical Note: Plan delivery-time constrained inverse optimization method with minimum MU-per-energy-layer (MMPEL) for efficient pencil beam scanning proton therapy. <i>Medical Physics</i> , 2020, 47, 3892-3897.	1.6	18
18	Radiation as a Single-Modality Treatment in Localized Pancreatic Cancer. <i>Pancreas</i> , 2020, 49, 822-829.	0.5	2

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19	Cone-beam CT-derived relative stopping power map generation via deep learning for proton radiotherapy. <i>Medical Physics</i> , 2020, 47, 4416-4427.	1.6	21
20	Demographic and Socioeconomic Factors Associated With Metastases at Presentation in HPV-Related Squamous Cell Carcinoma of the Head and Neck: An NCDB Analysis. <i>JCO Oncology Practice</i> , 2020, 16, e476-e487.	1.4	7
21	Outcomes and Predictive Value of Post-adjuvant Therapy PET/CT for Locally Advanced Oral Squamous Cell Carcinoma. <i>Laryngoscope</i> , 2020, 130, E850-E857.	1.1	2
22	A standardized commissioning framework of Monte Carlo dose calculation algorithms for proton pencil beam scanning treatment planning systems. <i>Medical Physics</i> , 2020, 47, 1545-1557.	1.6	33
23	Racial Disparities, Outcomes, and Surgical Utilization among Hispanics with Esophageal Cancer: A Surveillance, Epidemiology, and End Results Program Database Analysis. <i>Oncology</i> , 2019, 97, 49-58.	0.9	12
24	Survival outcomes by high-risk human papillomavirus status in nonoropharyngeal head and neck squamous cell carcinomas: A propensity-scored analysis of the National Cancer Data Base. <i>Cancer</i> , 2019, 125, 2782-2793.	2.0	40
25	Disparities in Postoperative Therapy for Salivary Gland Adenoid Cystic Carcinomas. <i>Laryngoscope</i> , 2019, 129, 377-386.	1.1	13
26	Smoking, age, nodal disease, T stage, p16 status, and risk of distant metastases in patients with squamous cell cancer of the oropharynx. <i>Cancer</i> , 2019, 125, 704-711.	2.0	18
27	MRI-Based Proton Treatment Planning for Base of Skull Tumors. <i>International Journal of Particle Therapy</i> , 2019, 6, 12-25.	0.9	24
28	Chemotherapy with or Without Definitive Radiation Therapy in Inoperable Pancreatic Cancer. <i>Annals of Surgical Oncology</i> , 2018, 25, 1026-1033.	0.7	9
29	Brainstem dose is associated with patient-reported acute fatigue in head and neck cancer radiation therapy. <i>Radiotherapy and Oncology</i> , 2018, 126, 100-106.	0.3	21
30	Proton vs. Photon Radiation Therapy for Primary Gliomas: An Analysis of the National Cancer Data Base. <i>Frontiers in Oncology</i> , 2018, 8, 440.	1.3	34
31	Health care disparities among octogenarians and nonagenarians with stage II and III rectal cancer. <i>Cancer</i> , 2017, 123, 4325-4336.	2.0	10
32	National Cancer Database Analysis of Proton Versus Photon Radiation Therapy in Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 97, 128-137.	0.4	105
33	Ability of the National Surgical Quality Improvement Program Risk Calculator to Predict Complications Following Total Laryngectomy. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2016, 142, 972.	1.2	30
34	Proton Beam Reirradiation. <i>Medical Radiology</i> , 2016, , 105-125.	0.0	0
35	Reirradiation of Recurrent and Second Primary Head and Neck Cancer With Proton Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 808-819.	0.4	80
36	Clinical Benefits of Proton Beam Therapy for Tumors of the Skull Base. <i>Cancer Control</i> , 2016, 23, 213-219.	0.7	7

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37	ACR Appropriateness Criteria [®] Aggressive Nonmelanomatous Skin Cancer of the Head and Neck. <i>Head and Neck</i> , 2016, 38, 175-182.	0.9	21
38	Acute toxicity in comprehensive head and neck radiation for nasopharynx and paranasal sinus cancers: cohort comparison of 3D conformal proton therapy and intensity modulated radiation therapy. <i>Radiation Oncology</i> , 2016, 11, 32.	1.2	60
39	Influence of Residual Tumor Volume and Radiation Dose Coverage in Outcomes for Clival Chordoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 304-311.	0.4	45
40	Quantifying Proton Fields for Midline Brain Tumors: A Benefit/Cost Analysis of Planning Objectives. <i>International Journal of Particle Therapy</i> , 2016, 3, 13-20.	0.9	0
41	Dose-Volume Relationships Associated With Temporal Lobe Radiation Necrosis After Skull Base Proton Beam Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 261-267.	0.4	49
42	Technique for comprehensive head and neck irradiation using 3-dimensional conformal proton therapy. <i>Medical Dosimetry</i> , 2015, 40, 333-339.	0.4	2
43	Proton therapy for atypical meningiomas. <i>Journal of Neuro-Oncology</i> , 2015, 123, 123-128.	1.4	36
44	ACR Appropriateness Criteria [®] thyroid carcinoma. <i>Oral Oncology</i> , 2014, 50, 577-586.	0.8	11
45	Technique for sparing previously irradiated critical normal structures in salvage proton craniospinal irradiation. <i>Radiation Oncology</i> , 2013, 8, 14.	1.2	10
46	Proton Therapy for Reirradiation of Progressive or Recurrent Chordoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 1107-1114.	0.4	50
47	Prognostic Significance of Basaloid Squamous Cell Carcinoma in Head and Neck Cancer. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2013, 139, 1306.	1.2	28
48	Risk of Carotid Blowout After Reirradiation of the Head and Neck: A Systematic Review. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 1083-1089.	0.4	186
49	Pattern of Failure After Limited Margin Radiotherapy and Temozolomide for Glioblastoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 130-136.	0.4	153
50	ACR Appropriateness Criteria [®] Retreatment of Recurrent Head and Neck Cancer After Prior Definitive Radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 80, 1292-1298.	0.4	107
51	Proton Therapy. <i>Current Problems in Cancer</i> , 2010, 34, 257-296.	1.0	14
52	Three-Year Outcomes of Breast Intensity-Modulated Radiation Therapy With Simultaneous Integrated Boost. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 523-530.	0.4	76
53	Long-Term Outcomes of IMRT for Breast Cancer: A Single-Institution Cohort Analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 1031-1040.	0.4	117