

Mark W Mcdonald

List of Publications by Year in descending order

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53
papers

1,638
citations

361045

20
h-index

301761

39
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54
all docs

54
docs citations

54
times ranked

2395
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	Proton therapy for atypical meningiomas. <i>Journal of Neuro-Oncology</i> , 2015, 123, 123-128.	1.4	36
14	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
15	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
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	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
18	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

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19	Prognostic Significance of Basaloid Squamous Cell Carcinoma in Head and Neck Cancer. JAMA Otolaryngology - Head and Neck Surgery, 2013, 139, 1306.	1.2	28
20	MRI-Based Proton Treatment Planning for Base of Skull Tumors. International Journal of Particle Therapy, 2019, 6, 12-25.	0.9	24
21	ACR Appropriateness Criteria [®] Aggressive Nonmelanomatous Skin Cancer of the Head and Neck. Head and Neck, 2016, 38, 175-182.	0.9	21
22	Brainstem dose is associated with patient-reported acute fatigue in head and neck cancer radiation therapy. Radiotherapy and Oncology, 2018, 126, 100-106.	0.3	21
23	Cone-beam CT-derived relative stopping power map generation via deep learning for proton radiotherapy. Medical Physics, 2020, 47, 4416-4427.	1.6	21
24	Automated delineation of head and neck organs at risk using synthetic MRI-aided mask scoring regional convolutional neural network. Medical Physics, 2021, 48, 5862-5873.	1.6	21
25	Smoking, age, nodal disease, T stage, p16 status, and risk of distant metastases in patients with squamous cell cancer of the oropharynx. Cancer, 2019, 125, 704-711.	2.0	18
26	Technical Note: Plan [®] delivery-time constrained inverse optimization method with minimum MU [®] per energy layer (MMPEL) for efficient pencil beam scanning proton therapy. Medical Physics, 2020, 47, 3892-3897.	1.6	18
27	Synthetic dual-energy CT for MRI-only based proton therapy treatment planning using label-GAN. Physics in Medicine and Biology, 2021, 66, 065014.	1.6	18
28	Proton Therapy. Current Problems in Cancer, 2010, 34, 257-296.	1.0	14
29	Disparities in Postoperative Therapy for Salivary Gland Adenoid Cystic Carcinomas. Laryngoscope, 2019, 129, 377-386.	1.1	13
30	Racial Disparities, Outcomes, and Surgical Utilization among Hispanics with Esophageal Cancer: A Surveillance, Epidemiology, and End Results Program Database Analysis. Oncology, 2019, 97, 49-58.	0.9	12
31	Socioeconomic Factors Influence the Impact of Tumor HPV Status on Outcome of Patients With Oropharyngeal Squamous Cell Carcinoma. JCO Oncology Practice, 2021, 17, e313-e322.	1.4	12
32	ACR Appropriateness Criteria [®] thyroid carcinoma. Oral Oncology, 2014, 50, 577-586.	0.8	11
33	Survival outcomes in patients with gastric and gastroesophageal junction adenocarcinomas treated with perioperative chemotherapy with or without preoperative radiotherapy. Cancer, 2020, 126, 37-45.	2.0	11
34	Technique for sparing previously irradiated critical normal structures in salvage proton craniospinal irradiation. Radiation Oncology, 2013, 8, 14.	1.2	10
35	Health care disparities among octogenarians and nonagenarians with stage II and III rectal cancer. Cancer, 2017, 123, 4325-4336.	2.0	10
36	Chemotherapy with or Without Definitive Radiation Therapy in Inoperable Pancreatic Cancer. Annals of Surgical Oncology, 2018, 25, 1026-1033.	0.7	9

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37	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
38	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
39	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
40	Onboard coneâ€beam CTâ€based replan evaluation for head and neck proton therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13550.	0.8	9
41	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
42	Clinical Benefits of Proton Beam Therapy for Tumors of the Skull Base. <i>Cancer Control</i> , 2016, 23, 213-219.	0.7	7
43	Demographic and Socioeconomic Factors Associated With Metastases at Presentation in HPVâ€Related Squamous Cell Carcinoma of the Head and Neck: An NCDB Analysis. <i>JCO Oncology Practice</i> , 2020, 16, e476-e487.	1.4	7
44	The omission of intentional primary site radiation following transoral robotic surgery in 59 patients: No localâ€regional failures. <i>Head and Neck</i> , 2021, 44, 382.	0.9	6
45	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
46	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
47	Bone Marrow Suppression during Postoperative Radiation for Bladder Cancer and Comparative Benefit of Proton Therapyâ€Phase 2 Trial Secondary Analysis. <i>International Journal of Particle Therapy</i> , 2022, 8, 1-10.	0.9	4
48	Technique for comprehensive head and neck irradiation using 3-dimensional conformal proton therapy. <i>Medical Dosimetry</i> , 2015, 40, 333-339.	0.4	2
49	Radiation as a Single-Modality Treatment in Localized Pancreatic Cancer. <i>Pancreas</i> , 2020, 49, 822-829.	0.5	2
50	Outcomes and Predictive Value of Postâ€adjuvant Therapy PET/CT for Locally Advanced Oral Squamous Cell Carcinoma. <i>Laryngoscope</i> , 2020, 130, E850-E857.	1.1	2
51	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
52	Proton Beam Reirradiation. <i>Medical Radiology</i> , 2016, , 105-125.	0.0	0
53	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