Mark W Mcdonald

List of Publications by Year
in descending order

53 papers	1,638 citations	361413 20 h-index	302126 39 g-index
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. International Journal of Radiation Oncology Biology Physics, 2012, 82, 1083-1089.	0.8	186
2	Pattern of Failure After Limited Margin Radiotherapy and Temozolomide for Glioblastoma. International Journal of Radiation Oncology Biology Physics, 2011, 79, 130-136.	0.8	153
3	Long-Term Outcomes of IMRT for Breast Cancer: A Single-Institution Cohort Analysis. International Journal of Radiation Oncology Biology Physics, 2008, 72, 1031-1040.	0.8	117
4	ACR Appropriateness CriteriaÂ® Retreatment of Recurrent Head and Neck Cancer After Prior Definitive Radiation. International Journal of Radiation Oncology Biology Physics, 2011, 80, 1292-1298.	0.8	107
5	National Cancer Database Analysis of Proton Versus Photon Radiation Therapy in Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2017, 97, 128-137.	0.8	105
6	Reirradiation of Recurrent and Second Primary Head and Neck Cancer With Proton Therapy. International Journal of Radiation Oncology Biology Physics, 2016, 96, 808-819.	0.8	80
7	Three-Year Outcomes of Breast Intensity-Modulated Radiation Therapy With Simultaneous Integrated Boost. International Journal of Radiation Oncology Biology Physics, 2010, 77, 523-530.	0.8	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. Radiation Oncology, 2016, 11, 32.	2.7	60
9	Proton Therapy for Reirradiation of Progressive or Recurrent Chordoma. International Journal of Radiation Oncology Biology Physics, 2013, 87, 1107-1114.	0.8	50
10	Doseâ€“Volume Relationships Associated With Temporal Lobe Radiation Necrosis After Skull Base Proton Beam Therapy. International Journal of Radiation Oncology Biology Physics, 2015, 91, 261-267.	0.8	49
11	Influence of Residual Tumor Volume and Radiation Dose Coverage in Outcomes for Clival Chordoma. International Journal of Radiation Oncology Biology Physics, 2016, 95, 304-311.	0.8	45
12	Survival outcomes by highâ€risk human papillomavirus status in nonoropharyngeal head and neck squamous cell carcinomas: A propensityâ€scored analysis of the National Cancer Data Base. Cancer, 2019, 125, 2782-2793.	4.1	40
13	Proton therapy for atypical meningiomas. Journal of Neuro-Oncology, 2015, 123, 123-128.	2.9	36
14	Proton vs. Photon Radiation Therapy for Primary Gliomas: An Analysis of the National Cancer Data Base. Frontiers in Oncology, 2018, 8, 440.	2.8	34
15	A standardized commissioning framework of Monte Carlo dose calculation algorithms for proton pencil beam scanning treatment planning systems. Medical Physics, 2020, 47, 1545-1557.	3.0	33
16	Head and neck multiâ€organ autoâ€segmentation on CT images aided by synthetic MRI. Medical Physics, 2020, 47, 4294-4302.	3.0	31
17	Ability of the National Surgical Quality Improvement Program Risk Calculator to Predict Complications Following Total Laryngectomy. JAMA Otolaryngology - Head and Neck Surgery, 2016, 142, 972.	2.2	30
18	Head-and-neck organs-at-risk auto-delineation using dual pyramid networks for CBCT-guided adaptive radiotherapy. Physics in Medicine and Biology, 2021, 66, 045021.	3.0	29

#	Article	IF	Citations
19	Prognostic Significance of Basaloid Squamous Cell Carcinoma in Head and Neck Cancer. JAMA Otolaryngology - Head and Neck Surgery, 2013, 139, 1306.	2.2	28
20	MRI-Based Proton Treatment Planning for Base of Skull Tumors. International Journal of Particle Therapy, 2019, 6, 12-25.	1.8	24
21	ACR Appropriateness Criteria^{Â®}Aggressive Nonmelanomatous Skin Cancer of the Head and Neck. Head and Neck, 2016, 38, 175-182.	2.0	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.	0.6	21
23	Coneâ€beam CTâ€derived relative stopping power map generation via deep learning for proton radiotherapy. Medical Physics, 2020, 47, 4416-4427.	3.0	21
24	Automated delineation of head and neck organs at risk using synthetic MRIâ€aided mask scoring regional convolutional neural network. Medical Physics, 2021, 48, 5862-5873.	3.0	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.	4.1	18
26	Technical Note: Planâ€deliveryâ€time constrained inverse optimization method with minimumâ€MUâ€perâ€energyâ€layer (MMPEL) for efficient pencil beam scanning proton therapy. Medical Physics, 2020, 47, 3892-3897.	3.0	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.	3.0	18
28	Proton Therapy. Current Problems in Cancer, 2010, 34, 257-296.	2.0	14
29	Disparities in Postoperative Therapy for Salivary Gland Adenoid Cystic Carcinomas. Laryngoscope, 2019, 129, 377-386.	2.0	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.	1.9	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.	2.9	12
32	ACR Appropriateness CriteriaÂ® thyroid carcinoma. Oral Oncology, 2014, 50, 577-586.	1.5	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.	4.1	11
34	Technique for sparing previously irradiated critical normal structures in salvage proton craniospinal irradiation. Radiation Oncology, 2013, 8, 14.	2.7	10
35	Health care disparities among octogenarians and nonagenarians with stage <scp>II</scp> and <scp>III</scp> rectal cancer. Cancer, 2017, 123, 4325-4336.	4.1	10
36	Chemotherapy with or Without Definitive Radiation Therapy in Inoperable Pancreatic Cancer. Annals of Surgical Oncology, 2018, 25, 1026-1033.	1.5	9

#	Article	IF	Citations
37	Overall Survival After Treatment of Localized Prostate Cancer With Proton Beam Therapy, External-Beam Photon Therapy, or Brachytherapy. Clinical Genitourinary Cancer, 2020, 19, 255-266.e7.	1.9	9
38	Head and neck multi-organ segmentation on dual-energy CT using dual pyramid convolutional neural networks. Physics in Medicine and Biology, 2021, 66, 115008.	3.0	9
39	Learning-based synthetic dual energy CT imaging from single energy CT for stopping power ratio calculation in proton radiation therapy. British Journal of Radiology, 2022, 95, 20210644.	2.2	9
40	Onboard coneâ€beam CTâ€based replan evaluation for head and neck proton therapy. Journal of Applied Clinical Medical Physics, 2022, 23, e13550.	1.9	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. International Journal of Particle Therapy, 2021, 8, 131-154.	1.8	8
42	Clinical Benefits of Proton Beam Therapy for Tumors of the Skull Base. Cancer Control, 2016, 23, 213-219.	1.8	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. JCO Oncology Practice, 2020, 16, e476-e487.	2.9	7
44	The omission of intentional primary site radiation following transoral robotic surgery in 59 patients: No localâ€regional failures. Head and Neck, 2021, 44, 382.	2.0	6
45	Learning-Based Stopping Power Mapping on Dual-Energy CT for Proton Radiation Therapy. International Journal of Particle Therapy, 2021, 7, 46-60.	1.8	5
46	Dosimetric Uncertainties in Dominant Intraprostatic Lesion Simultaneous Boost Using Intensity Modulated Proton Therapy. Advances in Radiation Oncology, 2022, 7, 100826.	1.2	5
47	Bone Marrow Suppression during Postoperative Radiation for Bladder Cancer and Comparative Benefit of Proton Therapyâ€”Phase 2 Trial Secondary Analysis. International Journal of Particle Therapy, 2022, 8, 1-10.	1.8	4
48	Technique for comprehensive head and neck irradiation using 3-dimensional conformal proton therapy. Medical Dosimetry, 2015, 40, 333-339.	0.9	2
49	Radiation as a Single-Modality Treatment in Localized Pancreatic Cancer. Pancreas, 2020, 49, 822-829.	1.1	2
50	Outcomes and Predictive Value of Postâ€adjuvant Therapy PET/CT for Locally Advanced Oral Squamous Cell Carcinoma. Laryngoscope, 2020, 130, E850-E857.	2.0	2
51	Intensity Modulated Proton Therapy Treatment Planning for Postmastectomy Patients with Metallic Port Tissue Expanders. Advances in Radiation Oncology, 2021, 7, 100825.	1.2	1
52	Proton Beam Reirradiation. Medical Radiology, 2016, , 105-125.	0.1	0
53	Quantifying Proton Fields for Midline Brain Tumors: A Benefit/Cost Analysis of Planning Objectives. International Journal of Particle Therapy, 2016, 3, 13-20.	1.8	0