

# Shannon M Macdonald

## List of Publications by Year in descending order

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95  
papers

4,317  
citations

100601

38  
h-index

129628

63  
g-index

97  
all docs

97  
docs citations

97  
times ranked

3617  
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of radiotherapy on survival after surgical resection of chordoma with minimum five-year follow-up. <i>Spine Journal</i> , 2023, 23, 34-41.	0.6	2
2	Decade-long disease, secondary malignancy, and brainstem injury outcomes in pediatric and young adult medulloblastoma patients treated with proton radiotherapy. <i>Neuro-Oncology</i> , 2022, 24, 1010-1019.	0.6	7
3	A Phase 2 Trial of Response-Based Radiation Therapy for Localized Central Nervous System Germ Cell Tumors: Patterns of Failure and Radiation Dosimetry for Nongerminomatous Germ Cell Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 113, 143-151.	0.4	7
4	Evaluating Regional Nodal Irradiation Allocation and Association with Oncologic Outcomes in NSABP B-18, B-27, B-40, and B-41. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 113, 542-551.	0.4	7
5	Photon versus proton whole ventricular radiotherapy for non-germinomatous germ cell tumors: A report from the Children's Oncology Group. <i>Pediatric Blood and Cancer</i> , 2022, 69, e29697.	0.8	5
6	In Reply to Struikmans et al.. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 1289-1290.	0.4	0
7	Definitive high-dose, proton-based radiation for unresected mobile spine and sacral chordomas. <i>Radiotherapy and Oncology</i> , 2022, 171, 139-145.	0.3	8
8	Imaging response assessment for CNS germ cell tumours: consensus recommendations from the European Society for Paediatric Oncology Brain Tumour Group and North American Children's Oncology Group. <i>Lancet Oncology</i> , The, 2022, 23, e218-e228.	5.1	4
9	CNS non-germinomatous germ cell tumor (NGGCT): Lessons from the recent past. <i>Neuro-Oncology</i> , 2022, 24, 1962-1963.	0.6	1
10	GCT-15. Multi-institutional analysis and literature review of central nervous system germ cell tumors in patients with Down syndrome. <i>Neuro-Oncology</i> , 2022, 24, i57-i58.	0.6	0
11	Clinical outcomes in a large pediatric cohort of patients with ependymoma treated with proton radiotherapy. <i>Neuro-Oncology</i> , 2021, 23, 156-166.	0.6	7
12	A Multi-institutional Comparative Analysis of Proton and Photon Therapy-Induced Hematologic Toxicity in Patients With Medulloblastoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 726-735.	0.4	29
13	Clinical outcomes of pediatric patients with autism spectrum disorder and other neurodevelopmental disorders and intracranial germ cell tumors. <i>Pediatric Blood and Cancer</i> , 2021, 68, e28935.	0.8	4
14	Circulating Lymphocyte Counts Early During Radiation Therapy Are Associated With Recurrence in Pediatric Medulloblastoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 1044-1052.	0.4	6
15	Proton Therapy for Pediatric Ependymoma: Mature Results From a Bicentric Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 815-820.	0.4	27
16	Intellectual functioning among case-matched cohorts of children treated with proton or photon radiation for standard-risk medulloblastoma. <i>Cancer</i> , 2021, 127, 3840-3846.	2.0	14
17	Proton Radiation Therapy for Pediatric Craniopharyngioma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 1480-1487.	0.4	27
18	Proton Therapy for Breast Cancer: A Consensus Statement From the Particle Therapy Cooperative Group Breast Cancer Subcommittee. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 337-359.	0.4	42

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19	Evolution of Care of Orbital Tumors with Radiation Therapy. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2020, 81, 480-496.	0.4	10
20	Low-Dose Image-Guided Pediatric CNS Radiation Therapy: Final Analysis From a Prospective Low-Dose Cone-Beam CT Protocol From a Multinational Pediatrics Consortium. <i>Technology in Cancer Research and Treatment</i> , 2020, 19, 153303382092065.	0.8	6
21	Arms positioning in post-mastectomy proton radiation: Feasibility and development of a new arms down contouring atlas. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 14, 6-11.	1.2	8
22	Long-term health-related quality of life in pediatric brain tumor survivors receiving proton radiotherapy at &lt;4 years of age. <i>Neuro-Oncology</i> , 2020, 22, 1379-1387.	0.6	22
23	GCT-37. PREVALENCE OF AUTISM SPECTRUM DISORDER AND OTHER NEURODEVELOPMENTAL DISORDERS IN PEDIATRIC PATIENTS WITH INTRACRANIAL GERM CELL TUMORS. <i>Neuro-Oncology</i> , 2020, 22, iii335-iii335.	0.6	0
24	Multifocal Angiosarcoma Secondary to Partial Breast Irradiation: Reirradiate?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 17-18.	0.4	4
25	Phase II Study of Proton Beam Radiation Therapy for Patients With Breast Cancer Requiring Regional Nodal Irradiation. <i>Journal of Clinical Oncology</i> , 2019, 37, 2778-2785.	0.8	64
26	Revisiting the Role of Radiation Therapy for Pediatric Low-Grade Glioma. <i>Journal of Clinical Oncology</i> , 2019, 37, 3335-3339.	0.8	21
27	Increased distance from a treating proton center is associated with diminished ability to follow patients enrolled on a multicenter radiation oncology registry. <i>Radiotherapy and Oncology</i> , 2019, 134, 25-29.	0.3	7
28	Tattoo free setup for partial breast irradiation: A feasibility study. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 45-50.	0.8	35
29	In Regard to Stecklein etÂal. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 1280-1281.	0.4	2
30	Pragmatic randomised clinical trial of proton versus photon therapy for patients with non-metastatic breast cancer: the Radiotherapy Comparative Effectiveness (RadComp) Consortium trial protocol. <i>BMJ Open</i> , 2019, 9, e025556.	0.8	60
31	Left hippocampal dosimetry correlates with visual and verbal memory outcomes in survivors of pediatric brain tumors. <i>Cancer</i> , 2018, 124, 2238-2245.	2.0	41
32	Proton therapy for central nervous system tumors in children. <i>Pediatric Blood and Cancer</i> , 2018, 65, e27046.	0.8	23
33	Brainstem Injury in Pediatric Patients With Posterior Fossa Tumors Treated With Proton Beam Therapy and Associated Dosimetric Factors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 719-729.	0.4	55
34	Estimated IQ Systematically Underestimates Neurocognitive Sequelae in Irradiated Pediatric Brain Tumor Survivors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 541-549.	0.4	17
35	Executive functioning, academic skills, and quality of life in pediatric patients with brain tumors post-proton radiation therapy. <i>Journal of Neuro-Oncology</i> , 2018, 137, 119-126.	1.4	35
36	RONC-20. VERTEBRAL BODY GROWTH RETARDATION FOLLOWING PROTON CRANIOSPINAL RADIATION. <i>Neuro-Oncology</i> , 2018, 20, i178-i178.	0.6	0

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37	Endocrine Deficiency As a Function of Radiation Dose to the Hypothalamus and Pituitary in Pediatric and Young Adult Patients With Brain Tumors. <i>Journal of Clinical Oncology</i> , 2018, 36, 2854-2862.	0.8	111
38	MBCL-47. OTOTOXICITY IN MEDULLOBLASTOMA SURVIVORS FOLLOWING PROTON RADIATION. <i>Neuro-Oncology</i> , 2018, 20, i127-i127.	0.6	0
39	Principles of Radiation Oncology. , 2018, , 33-64.		2
40	Proton therapy for pediatric malignancies: Fact, figures and costs. A joint consensus statement from the pediatric subcommittee of PTCOG, PROS and EPTN. <i>Radiotherapy and Oncology</i> , 2018, 128, 44-55.	0.3	46
41	Asymptomatic Late-phase Radiographic Changes Among Chest-Wall Patients Are Associated With a Proton RBE Exceeding 1.1. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 809-819.	0.4	84
42	Quality of life in patients with proton-treated pediatric medulloblastoma: Results of a prospective assessment with 5-year follow-up. <i>Cancer</i> , 2018, 124, 3390-3400.	2.0	17
43	Evaluating Intensity Modulated Proton Therapy Relative to Passive Scattering Proton Therapy for Increased Vertebral Column Sparing in Craniospinal Irradiation in Growing Pediatric Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 37-46.	0.4	29
44	Postmastectomy radiation therapy technique and cardiopulmonary sparing: A dosimetric comparative analysis between photons and protons with free breathing versus deep inspiration breath hold. <i>Practical Radiation Oncology</i> , 2017, 7, e377-e384.	1.1	55
45	Analysis of patient outcomes following proton radiation therapy for retinoblastoma. <i>Advances in Radiation Oncology</i> , 2017, 2, 44-52.	0.6	12
46	Practice patterns of palliative radiation therapy in pediatric oncology patients in an international pediatric research consortium. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26589.	0.8	19
47	Reirradiation for Recurrent Pediatric Central Nervous System Malignancies: A Multi-institutional Review. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 634-641.	0.4	47
48	Breast-cancer subtype, age, and lymph node status as predictors of local recurrence following breast-conserving therapy. <i>Breast Cancer Research and Treatment</i> , 2017, 161, 173-179.	1.1	77
49	Proton Treatment Techniques for Posterior Fossa Tumors: Consequences for Linear Energy Transfer and Dose-Volume Parameters for the Brainstem and Organs at Risk. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 97, 401-410.	0.4	43
50	Novel applications of proton therapy in breast carcinoma. <i>Chinese Clinical Oncology</i> , 2016, 5, 52-52.	0.4	12
51	Proton Therapy for Breast Cancer: Getting to the Heart of the Matter. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 46-48.	0.4	28
52	Establishing Cost-Effective Allocation of Proton Therapy for Breast Irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 11-18.	0.4	49
53	Case 32-2016. <i>New England Journal of Medicine</i> , 2016, 375, 1567-1579.	13.9	1
54	Proton beam therapy for medulloblastoma – Author's reply. <i>Lancet Oncology</i> , The, 2016, 17, e174-e175.	5.1	6

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55	Long-term toxic effects of proton radiotherapy for paediatric medulloblastoma: a phase 2 single-arm study. <i>Lancet Oncology</i> , The, 2016, 17, 287-298.	5.1	263
56	Clinical Outcomes Among Children With Standard-Risk Medulloblastoma Treated With Proton and Photon Radiation Therapy: A Comparison of Disease Control and Overall Survival. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 133-138.	0.4	105
57	Endocrine outcomes with proton and photon radiotherapy for standard risk medulloblastoma. <i>Neuro-Oncology</i> , 2016, 18, 881-887.	0.6	122
58	Central Nervous System Tumors in Children. , 2016, , 1389-1402.e3.		2
59	Incidence of CNS Injury for a Cohort of 111 Patients Treated With Proton Therapy for Medulloblastoma: LET and RBE Associations for Areas of Injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 287-296.	0.4	101
60	Long-term outcomes among breast cancer patients with extensive regional lymph node involvement: implications for locoregional management. <i>Breast Cancer Research and Treatment</i> , 2015, 154, 633-639.	1.1	2
61	Secondary Malignancy Risk Following Proton Radiation Therapy. <i>Frontiers in Oncology</i> , 2015, 5, 261.	1.3	65
62	Medical Student Perspectives on a Multi-institutional Clerkship Curriculum: A Report From the Radiation Oncology Education Collaborative Study Group. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 217-219.	0.4	13
63	Local Failure in Parameningeal Rhabdomyosarcoma Correlates With Poor Response to Induction Chemotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 358-367.	0.4	18
64	Early Cognitive Outcomes Following Proton Radiation in Pediatric Patients With Brain and Central Nervous System Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, 400-407.	0.4	110
65	Use of proton therapy for re-irradiation in pediatric intracranial ependymoma. <i>Radiotherapy and Oncology</i> , 2015, 116, 301-308.	0.3	68
66	Second nonocular tumors among survivors of retinoblastoma treated with contemporary photon and proton radiotherapy. <i>Cancer</i> , 2014, 120, 126-133.	2.0	141
67	A dosimetric comparison of proton and intensity modulated radiation therapy in pediatric rhabdomyosarcoma patients enrolled on a prospective phase II proton study. <i>Radiotherapy and Oncology</i> , 2014, 113, 77-83.	0.3	97
68	Outcomes of Proton Therapy for the Treatment of Uveal Metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 1044-1050.	0.4	14
69	Quality of life outcomes in proton and photon treated pediatric brain tumor survivors. <i>Radiotherapy and Oncology</i> , 2014, 113, 89-94.	0.3	93
70	Patterns of Failure After Proton Therapy in Medulloblastoma; Linear Energy Transfer Distributions and Relative Biological Effectiveness Associations for Relapses. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 655-663.	0.4	71
71	Practice patterns of photon and proton pediatric image guided radiation treatment: Results from an International Pediatric Research Consortium. <i>Practical Radiation Oncology</i> , 2014, 4, 336-341.	1.1	28
72	The Impact of Radiation Therapy on the Risk of Lymphedema After Treatment for Breast Cancer: A Prospective Cohort Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 565-571.	0.4	203

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73	Preliminary Results of a Phase II Trial of Proton Radiotherapy for Pediatric Rhabdomyosarcoma. <i>Journal of Clinical Oncology</i> , 2014, 32, 3762-3770.	0.8	117
74	Proton Radiation Therapy for the Treatment of Retinoblastoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 863-869.	0.4	46
75	Clinical Outcomes and Late Endocrine, Neurocognitive, and Visual Profiles of Proton Radiation for Pediatric Low-Grade Gliomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 1060-1068.	0.4	166
76	Long-term Cosmetic Outcomes and Toxicities of Proton Beam Therapy Compared With Photon-Based 3-Dimensional Conformal Accelerated Partial-Breast Irradiation: A Phase 1 Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 493-500.	0.4	98
77	Proton radiotherapy for chest wall and regional lymphatic radiation; dose comparisons and treatment delivery. <i>Radiation Oncology</i> , 2013, 8, 71.	1.2	82
78	Proton radiotherapy for pediatric central nervous system ependymoma: clinical outcomes for 70 patients. <i>Neuro-Oncology</i> , 2013, 15, 1552-1559.	0.6	128
79	Proton Therapy for Breast Cancer After Mastectomy: Early Outcomes of a Prospective Clinical Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 484-490.	0.4	144
80	Cost effectiveness of proton therapy compared with photon therapy in the management of pediatric medulloblastoma. <i>Cancer</i> , 2013, 119, 4299-4307.	2.0	64
81	Cost-effectiveness analysis of proton versus photon therapy with respect to risk of growth hormone deficiency.. <i>Journal of Clinical Oncology</i> , 2013, 31, e17553-e17553.	0.8	0
82	Second non-ocular tumors among survivors of retinoblastoma treated with proton therapy.. <i>Journal of Clinical Oncology</i> , 2013, 31, 10018-10018.	0.8	0
83	Proton Radiotherapy for Parameningeal Rhabdomyosarcoma: Clinical Outcomes and Late Effects. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 635-642.	0.4	105
84	Proton radiotherapy for rhabdomyosarcoma: Preliminary results from a multicenter prospective study.. <i>Journal of Clinical Oncology</i> , 2012, 30, 9585-9585.	0.8	0
85	Proton Radiotherapy for Pediatric Bladder/Prostate Rhabdomyosarcoma: Clinical Outcomes and Dosimetry Compared to Intensity-Modulated Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, 1367-1373.	0.4	94
86	ACR Appropriateness Criteria® Locally Advanced Breast Cancer. <i>Breast Journal</i> , 2011, 17, 579-585.	0.4	16
87	Proton Radiotherapy for Pediatric Central Nervous System Germ Cell Tumors: Early Clinical Outcomes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 121-129.	0.4	109
88	Proton beam therapy following resection for childhood ependymoma. <i>Child's Nervous System</i> , 2010, 26, 285-291.	0.6	29
89	Nanoparticle-Enhanced MRI to Evaluate Radiation Delivery to the Regional Lymphatics for Patients With Breast Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 1098-1104.	0.4	25
90	Chest Wall Radiotherapy: Middle Ground for Treatment of Patients With One to Three Positive Lymph Nodes After Mastectomy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 1297-1303.	0.4	46

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91	Proton Radiotherapy for Childhood Ependymoma: Initial Clinical Outcomes and Dose Comparisons. International Journal of Radiation Oncology Biology Physics, 2008, 71, 979-986.	0.4	191
92	MRI CHANGES IN THE "NORMAL" PINEAL GLAND FOLLOWING CHEMOTHERAPY FOR SUPRASELLAR GERM CELL TUMORS. Pediatric Hematology and Oncology, 2008, 25, 5-15.	0.3	1
93	Intensity modulated radiation therapy versus three-dimensional conformal radiation therapy for the treatment of high grade glioma: a dosimetric comparison. Journal of Applied Clinical Medical Physics, 2007, 8, 47-60.	0.8	82
94	Is It Time to Use Protons for Breast Cancer?. Cancer Journal (Sudbury, Mass ), 2007, 13, 84-86.	1.0	5
95	Partial"breast irradiation: towards a replacement for whole"breast irradiation?. Expert Review of Anticancer Therapy, 2007, 7, 123-134.	1.1	7