Anita Mahajan

List of Publications by Year
in descending order

122	4,442	109321	118850
papers	citations	35 h-index	62 g-index

126	126	126	4666
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Post-operative stereotactic radiosurgery versus observation for completely resected brain metastases: a single-centre, randomised, controlled, phase 3 trial. Lancet Oncology, The, 2017, 18, 1040-1048.	10.7	537
2	Clinical evidence of variable proton biological effectiveness in pediatric patients treated for ependymoma. Radiotherapy and Oncology, 2016, 121, 395-401.	0.6	210
3	The risk of developing a second cancer after receiving craniospinal proton irradiation. Physics in Medicine and Biology, 2009, 54, 2277-2291.	3.0	176
4	Dosimetric Comparison of Three-Dimensional Conformal Proton Radiotherapy, Intensity-Modulated Proton Therapy, and Intensity-Modulated Radiotherapy for Treatment of Pediatric Craniopharyngiomas. International Journal of Radiation Oncology Biology Physics, 2012, 82, 643-652.	0.8	163
5	Proton Beam Craniospinal Irradiation Reduces Acute Toxicity for Adults With Medulloblastoma. International Journal of Radiation Oncology Biology Physics, 2013, 86, 277-284.	0.8	154
6	Consensus Contouring Guidelines for Postoperative Completely Resected Cavity Stereotactic Radiosurgery for Brain Metastases. International Journal of Radiation Oncology Biology Physics, 2018, 100, 436-442.	0.8	147
7	National Cancer Institute Workshop on Proton Therapy for Children: Considerations Regarding Brainstem Injury. International Journal of Radiation Oncology Biology Physics, 2018, 101, 152-168.	0.8	138
8	Proton Beam Therapy Versus Conformal Photon Radiation Therapy for Childhood Craniopharyngioma: Multi-institutional Analysis of Outcomes, Cyst Dynamics, and Toxicity. International Journal of Radiation Oncology Biology Physics, 2014, 90, 354-361.	0.8	137
9	Atypical choroid plexus papilloma: clinical experience in the CPT-SIOP-2000 study. Journal of Neuro-Oncology, 2009, 95, 383-392.	2.9	124
10	Imaging Changes in Pediatric Intracranial Ependymoma Patients Treated With Proton Beam Radiation Therapy Compared to Intensity Modulated Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2015, 93, 54-63.	0.8	108
11	Outcomes by Clinical and Molecular Features in Children With Medulloblastoma Treated With Risk-Adapted Therapy: Results of an International Phase III Trial (SJMB03). Journal of Clinical Oncology, 2021, 39, 822-835.	1.6	106
12	Efficacy of High-Dose Chemotherapy and Three-Dimensional Conformal Radiation for Atypical Teratoid/Rhabdoid Tumor: A Report From the Childrenâ€™s Oncology Group Trial ACNS0333. Journal of Clinical Oncology, 2020, 38, 1175-1185.	1.6	102
13	Outcomes and Acute Toxicities of Proton Therapy for Pediatric Atypical Teratoid/Rhabdoid Tumor of the Central Nervous System. International Journal of Radiation Oncology Biology Physics, 2014, 90, 1143-1152.	0.8	89
14	Comparison of therapeutic dosimetric data from passively scattered proton and photon craniospinal irradiations for medulloblastoma. Radiation Oncology, 2012, 7, 116.	2.7	86
15	Low early ototoxicity rates for pediatric medulloblastoma patients treated with proton radiotherapy. Radiation Oncology, 2011, 6, 58.	2.7	79
16	A comparative study on the risks of radiogenic second cancers and cardiac mortality in a set of pediatric medulloblastoma patients treated with photon or proton craniospinal irradiation. Radiotherapy and Oncology, 2014, 113, 84-88.	0.6	76
17	Caseâ€”control study of stereotactic radiosurgery for recurrent glioblastoma multiforme. Journal of Neurosurgery, 2005, 103, 210-217.	1.6	72
18	Multimodality treatment of osteosarcoma: Radiation in a highâ€risk cohort. Pediatric Blood and Cancer, 2008, 50, 976-982.	1.5	62

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19	Randomized phase II adjuvant factorial study of dose-dense temozolomide alone and in combination with isotretinoin, celecoxib, and/or thalidomide for glioblastoma. Neuro-Oncology, 2015, 17, 266-273.	1.2	61
20	Towards Effective and Efficient Patient-Specific Quality Assurance for Spot Scanning Proton Therapy. Cancers, 2015, 7, 631-647.	3.7	59
21	Stereotactic radiosurgery of early melanoma brain metastases after initiation of anti-CTLA-4 treatment is associated with improved intracranial control. Radiotherapy and Oncology, 2017, 125, 80-88.	0.6	58
22	Attention, processing speed, and executive functioning in pediatric brain tumor survivors treated with proton beam radiation therapy. Radiotherapy and Oncology, 2017, 124, 89-97.	0.6	53
23	Sleep-wake disturbance in patients with brain tumors. Neuro-Oncology, 2016, 19, now119.	1.2	51
24	A prospective phase II randomized trial of proton radiotherapy vs intensity-modulated radiotherapy for patients with newly diagnosed glioblastoma. Neuro-Oncology, 2021, 23, 1337-1347.	1.2	50
25	Technique, outcomes, and acute toxicities in adults treated with proton beam craniospinal irradiation. Neuro-Oncology, 2014, 16, 303-309.	1.2	46
26	Clinical Outcomes and Patterns of Failure in Pineoblastoma: A 30-Year, Single-Institution Retrospective Review. World Neurosurgery, 2014, 82, 1232-1241.	1.3	46
27	Proton therapy for pediatric malignancies: Fact, figures and costs. A joint consensus statement from the pediatric subcommittee of PTCOG, PROS and EPTN. Radiotherapy and Oncology, 2018, 128, 44-55.	0.6	46
28	Prospective, longitudinal comparison of neurocognitive change in pediatric brain tumor patients treated with proton radiotherapy versus surgery only. Neuro-Oncology, 2019, 21, 809-818.	1.2	46
29	Adult brainstem gliomas: Correlation of clinical and molecular features. Journal of the Neurological Sciences, 2015, 353, 92-97.	0.6	44
30	Spot Scanning Proton Therapy for Malignancies of the Base of Skull: Treatment Planning, Acute Toxicities, and Preliminary Clinical Outcomes. International Journal of Radiation Oncology Biology Physics, 2014, 90, 540-546.	0.8	43
31	Astroblastomas: A Surveillance, Epidemiology, and End Results (SEER)-Based Patterns of Care Analysis. World Neurosurgery, 2014, 82, e291-e297.	1.3	42
32	Analysis of pseudoprogression after proton or photon therapy of 99 patients with low grade and anaplastic glioma. Clinical and Translational Radiation Oncology, 2018, 9, 30-34.	1.7	41
33	Preoperative Stereotactic Radiosurgery for Brain Metastases. Frontiers in Neurology, 2018, 9, 959.	2.4	41
34	Field-In-Field Technique With Intrafractionally Modulated Junction Shifts for Craniospinal Irradiation. International Journal of Radiation Oncology Biology Physics, 2007, 69, 1193-1198.	0.8	38
35	Ototoxicity and cochlear sparing in children with medulloblastoma: Proton vs. photon radiotherapy. Radiotherapy and Oncology, 2018, 128, 128-132.	0.6	38
36	Non-invasive anesthesia for children undergoing proton radiation therapy. Radiotherapy and Oncology, 2014, 111, 30-34.	0.6	37

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37	An Update From the Pediatric Proton Consortium Registry. Frontiers in Oncology, 2018, 8, 165.	2.8	37
38	Proton versus conventional radiotherapy for pediatric salivary gland tumors: Acute toxicity and dosimetric characteristics. Radiotherapy and Oncology, 2015, 116, 309-315.	0.6	36
39	A Phase 1/2 Trial of Reirradiation for Diffuse Intrinsic Pontine Glioma. International Journal of Radiation Oncology Biology Physics, 2019, 104, 144-148.	0.8	36
40	The Children's Oncology Group Radiation Oncology Discipline: 15ÂYears of Contributions to the Treatment of Childhood Cancer. International Journal of Radiation Oncology Biology Physics, 2018, 101, 860-874.	0.8	34
41	Standardized treatment planning methodology for passively scattered proton craniospinal irradiation. Radiation Oncology, 2013, 8, 32.	2.7	33
42	Radiation for ETMR: Literature review and case series of patients treated with proton therapy. Clinical and Translational Radiation Oncology, 2019, 15, 31-37.	1.7	32
43	Cardiac-Sparing Whole Lung IMRT in Patients With Pediatric Tumors and Lung Metastasis: Final Report of a Prospective Multicenter Clinical Trial. International Journal of Radiation Oncology Biology Physics, 2019, 103, 28-37.	0.8	30
44	Carbon ion radiotherapy in the treatment of gliomas: a review. Journal of Neuro-Oncology, 2019, 145, 191-199.	2.9	29
45	Neurocognitive Effects and Necrosis in Childhood Cancer Survivors Treated With Radiation Therapy: A PENTEC Comprehensive Review. International Journal of Radiation Oncology Biology Physics, 2021, , .	0.8	29
46	Postoperative Cavity Stereotactic Radiosurgery for Brain Metastases. Frontiers in Oncology, 2018, 8, 342.	2.8	28
47	Carbon ion radiotherapy for skull base chordomas and chondrosarcomas: a systematic review and meta-analysis of local control, survival, and toxicity outcomes. Journal of Neuro-Oncology, 2020, 147, 503-513.	2.9	28
48	Reirradiation for diffuse intrinsic pontine glioma: a systematic review and meta-analysis. Child's Nervous System, 2019, 35, 739-746.	1.1	27
49	Intensity Modulated Proton Therapy for Craniospinal Irradiation: Organ-at-Risk Exposure and a Low-Gradient Junctioning Technique. International Journal of Radiation Oncology Biology Physics, 2014, 90, 637-644.	0.8	25
50	Multimodality Treatment of Pediatric Esthesioneuroblastoma. Pediatric Blood and Cancer, 2016, 63, 465-470.	1.5	25
51	Treatment and long-term outcomes in pituitary carcinoma: a cohort study. European Journal of Endocrinology, 2019, 181, 397-407.	3.7	25
52	Prognostic Factors and Patterns of Relapse in Ewing Sarcoma Patients Treated With Chemotherapy and R0 Resection. International Journal of Radiation Oncology Biology Physics, 2015, 92, 349-357.	0.8	23
53	A Clarion Call for Large-Scale Collaborative Studies of Pediatric Proton Therapy. International Journal of Radiation Oncology Biology Physics, 2017, 98, 980-981.	0.8	23
54	Pseudoprogression after radiation therapies for low grade glioma in children and adults: A systematic review and meta-analysis. Radiotherapy and Oncology, 2020, 142, 36-42.	0.6	22

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55	Local therapy to distant metastatic sites in stage IV rhabdomyosarcoma. Pediatric Blood and Cancer, 2018, 65, e26859.	1.5	21
56	The role of image-guided intensity modulated proton therapy in glioma. Neuro-Oncology, 2017, 19, ii30-ii37.	1.2	18
57	Patterns of failure following proton beam therapy for head and neck rhabdomyosarcoma. Radiotherapy and Oncology, 2019, 134, 143-150.	0.6	18
58	Longâ€term cognitive and academic outcomes among pediatric brain tumor survivors treated with proton versus photon radiotherapy. Pediatric Blood and Cancer, 2021, 68, e29125.	1.5	18
59	Comparison of hypothyroidism, growth hormone deficiency, and adrenal insufficiency following proton and photon radiotherapy in children with medulloblastoma. Journal of Neuro-Oncology, 2021, 155, 93-100.	2.9	18
60	Outcomes After Surgery and Radiotherapy for Papillary Tumor of the Pineal Region. World Neurosurgery, 2015, 84, 76-81.	1.3	17
61	Efficacy of proton therapy in children with highâ€risk and locally recurrent neuroblastoma. Pediatric Blood and Cancer, 2019, 66, e27786.	1.5	17
62	Comparison of proton therapy techniques for treatment of the whole brain as a component of craniospinal radiation. Radiation Oncology, 2013, 8, 289.	2.7	16
63	Radiotherapy with concurrent temozolomide for the management of extraneural metastases in pituitary carcinoma. Pituitary, 2016, 19, 415-421.	2.9	16
64	Outcomes for pediatric patients with central nervous system germ cell tumors treated with proton therapy. Clinical and Translational Radiation Oncology, 2016, 1, 9-14.	1.7	15
65	Overall survival and secondary malignant neoplasms in children receiving passively scattered proton or photon craniospinal irradiation for medulloblastoma. Cancer, 2021, 127, 3865-3871.	4.1	15
66	Inter-Institutional Comparison of Personalized Risk Assessments for Second Malignant Neoplasms for a 13-Year-Old Girl Receiving Proton versus Photon Craniospinal Irradiation. Cancers, 2015, 7, 407-426.	3.7	14
67	Paediatric radiation oncology in the care of childhood cancer: A position paper by the International Paediatric Radiation Oncology Society (PROS). Radiotherapy and Oncology, 2016, 119, 357-360.	0.6	14
68	Carbon ion radiation therapy in breast cancer: a new frontier. Breast Cancer Research and Treatment, 2020, 181, 291-296.	2.5	14
69	Patterns of failure and toxicity profile following proton beam therapy for pediatric bladder and prostate rhabdomyosarcoma. Pediatric Blood and Cancer, 2019, 66, e27952.	1.5	13
70	A multi-institutional pilot survey of anesthesia practices during proton radiation therapy. Practical Radiation Oncology, 2016, 6, 155-159.	2.1	12
71	Radiotherapy in addition to surgical resection may not improve overall survival in WHO grade II spinal ependymomas. Clinical Neurology and Neurosurgery, 2020, 189, 105632.	1.4	12
72	Salvage craniospinal irradiation with an intensity modulated radiotherapy technique for patients with disseminated neuraxis disease. Practical Radiation Oncology, 2012, 2, e69-e75.	2.1	11

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73	Adaptive functioning in pediatric brain tumor survivors: An examination of ethnicity and socioeconomic status. Pediatric Blood and Cancer, 2019, 66, e27800.	1.5	11
74	Practice patterns and recommendations for pediatric imageâ€guided radiotherapy: A Children's Oncology Group report. Pediatric Blood and Cancer, 2020, 67, e28629.	1.5	11
75	Normal Tissue Complications From Low-dose Proton Therapy. Health Physics, 2012, 103, 586-589.	0.5	10
76	Low- and middle-income countries can reduce risks of subsequent neoplasms by referring pediatric craniospinal cases to centralized proton treatment centers. Biomedical Physics and Engineering Express, 2018, 4, 025029.	1.2	10
77	Regional Nodal Control for Head and Neck Alveolar Rhabdomyosarcoma. International Journal of Radiation Oncology Biology Physics, 2018, 101, 169-176.	0.8	10
78	The Insurance Approval Process for Proton Beam Therapy Must Change: Prior Authorization Is Crippling Access to Appropriate Health Care. International Journal of Radiation Oncology Biology Physics, 2019, 104, 737-739.	0.8	10
79	Pseudoprogression after proton radiotherapy for pediatric low grade glioma. Acta OncolÃ³gica, 2015, 54, 1701-1702.	1.8	9
80	Cognitive mediators of adaptive functioning outcomes in survivors of pediatric brain tumors treated with proton radiotherapy. Pediatric Blood and Cancer, 2020, 67, e28064.	1.5	9
81	Radiotherapy and Late Effects. Pediatric Clinics of North America, 2020, 67, 1051-1067.	1.8	9
82	Spot scanning proton therapy for craniopharyngioma. Practical Radiation Oncology, 2012, 2, 314-318.	2.1	8
83	The Evolution of Radiation Therapy for Retinoblastoma: The MD Anderson Cancer Center Experience. International Journal of Particle Therapy, 2016, 2, 490-498.	1.8	7
84	Robust Optimization for Intensity Modulated Proton Therapy Plans with Multi-Isocenter Large Fields. International Journal of Particle Therapy, 2016, 3, 305-311.	1.8	7
85	Association between tumor architecture derived from generalized Q-space MRI and survival in glioblastoma. Oncotarget, 2017, 8, 41815-41826.	1.8	7
86	Estimating the Number of Patients Eligible for Carbon Ion Radiotherapy in the United States. International Journal of Particle Therapy, 2020, 7, 31-41.	1.8	7
87	The role of single-fraction stereotactic radiosurgery for atypical meningiomas (WHO grade II): treatment results based on a 25-year experience. Journal of Neuro-Oncology, 2021, 155, 335-342.	2.9	7
88	Comparison of Oncologic Outcomes and Treatment-Related Toxicity of Carbon Ion Radiotherapy and En Bloc Resection for Sacral Chordoma. JAMA Network Open, 2022, 5, e2141927.	5.9	7
89	Clinical characterization of adult medulloblastoma and the effect of first-line therapies on outcome; The MD Anderson Cancer Center experience. Neuro-Oncology Advances, 2021, 3, vdab079.	0.7	6
90	National care among patients with WHO grade I intracranial meningioma. Journal of Clinical Neuroscience, 2018, 55, 17-24.	1.5	5

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91	Carbon Ion Radiotherapy in the Treatment of Pancreatic Cancer. Pancreas, 2020, 49, 737-743.	1.1	5
92	Disease Control and Patterns of Failure After Proton Beam Therapy for Rhabdomyosarcoma. International Journal of Radiation Oncology Biology Physics, 2021, 109, 718-725.	0.8	5
93	Reirradiation of Recurrent Pediatric Brain Tumors after Initial Proton Therapy. International Journal of Particle Therapy, 2016, 3, 1-12.	1.8	5
94	Treatment of common pediatric CNS malignancies with proton therapy. Chinese Clinical Oncology, 2016, 5, 49-49.	1.2	5
95	The Alliance AMBUSH Trial: Rationale and Design. Cancers, 2022, 14, 414.	3.7	5
96	Initial results of a phase II trial of 18F-DOPA PET-guided re-irradiation for recurrent high-grade glioma. Journal of Neuro-Oncology, 2022, 158, 323-330.	2.9	5
97	Intensity modulated radiation therapy class solutions in Philips Pinnacle treatment planning for central nervous system malignancies: Standardized, efficient, and effective. Practical Radiation Oncology, 2012, 2, e145-e153.	2.1	4
98	Differences in United States Insurance Payer Policies and American Society for Radiation Oncology's (ASTRO) Model Policy on Stereotactic Body Radiation Therapy (SBRT). International Journal of Radiation Oncology Biology Physics, 2019, 104, 740-744.	0.8	4
99	A Comprehensive Study of Spindle Cell Oncocytoma of the Pituitary Gland: Series of 6 Cases and Meta-Analysis of 85 Cases. World Neurosurgery, 2021, 149, e197-e216.	1.3	4
100	Proton Therapy for Juvenile Pilocytic Astrocytoma: Quantifying Treatment Responses by Magnetic Resonance Diffusion Tensor Imaging. International Journal of Particle Therapy, 2016, 3, 414-420.	1.8	4
101	Assembling the brain trust: the multidisciplinary imperative in neuro-oncology. Nature Reviews Clinical Oncology, 2019, 16, 521-522.	27.6	3
102	Temporal Change in Tumor Volume Following Stereotactic Radiosurgery to a Single Brain Metastasis. World Neurosurgery, 2020, 136, e328-e333.	1.3	3
103	Radiation therapy for infants with cancer. Pediatric Blood and Cancer, 2021, 68, e28700.	1.5	3
104	Reduce Patient Treatment wait time in a Proton Beam Facility â€“ A Gatekeeper Approach. Journal of Medical Systems, 2021, 45, 80.	3.6	3
105	Cognitive predictors of social adjustment in pediatric brain tumor survivors treated with photon versus proton radiation therapy. Pediatric Blood and Cancer, 2022, 69, e29645.	1.5	3
106	A retrospective analysis of the patterns of failure in pediatric myxopapillary ependymoma. Journal of Radiation Oncology, 2013, 2, 21-26.	0.7	2
107	Training and education of pediatric radiation oncologists: A survey from the 2019 Pediatric Radiation Oncology Society meeting. Pediatric Blood and Cancer, 2020, 67, e28619.	1.5	2
108	Technical Delivery Parameters of 2000 Proton Treatment Courses. International Journal of Particle Therapy, 2019, 6, 27-34.	1.8	2

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109	Analysis of the Rate of Re-planning in Spot-Scanning Proton Therapy. International Journal of Particle Therapy, 2022, 9, 49-58.	1.8	2
110	Pediatric low-grade glioma. Journal of Radiation Oncology, 2013, 2, 129-133.	0.7	1
111	Anaplastic Ependymoma and Posterior Fossa Grouping in a Patient With H3K27ME3 Loss of Expression but Chromosomal Imbalance. Advances in Radiation Oncology, 2019, 4, 466-472.	1.2	1
112	In Reply to Krishnatry and Manjali. International Journal of Radiation Oncology Biology Physics, 2019, 104, 468-469.	0.8	1
113	Phase II Trial of Proton Therapy vs. Photon IMRT for GBM: Secondary Analysis Comparison of Progression Free Survival between RANO vs. Clinical Assessment. Neuro-Oncology Advances, 2021, 3, vdab073.	0.7	1
114	Total Body Irradiation (TBI), Fludarabine (F), Melphalan (M) and Allogeneic Hematopoietic Stem Cell Transplantation (HSCT) for Advanced Pediatric Hematologic Malignancies.. Blood, 2004, 104, 1827-1827.	1.4	1
115	Does the dural resection bed need to be irradiated? Patterns of recurrence and implications for postoperative radiotherapy for temporal lobe gliomas. Neuro-Oncology Practice, 2021, 8, 190-198.	1.6	1
116	Sequential Diffusion Tensor Imaging and Magnetic Resonance Spectroscopy in Patients Undergoing Reirradiation for Progressive Diffuse Intrinsic Pontine Glioma. Advances in Radiation Oncology, 2022, 7, 100847.	1.2	1
117	Infantile suprasellar tumor diagnosed as a pineoblastoma RB1 subgroup and treatment challenges: A pediatric SNO Molecular Tumor Board. Neuro-Oncology Advances, 2022, 4, .	0.7	1
118	Dose painting with Gamma Knife: Two techniques for delivering different doses to areas of recurrent or residual tumor after resection of brain metastases. Practical Radiation Oncology, 2015, 5, 390-397.	2.1	0
119	RONC-11. EVALUATION OF DIFFERENT RADIOTHERAPY TECHNIQUES ON INCIDENTAL RADIATION DOSES TO THE WHOLE VENTRICULAR SYSTEM DURING FOCAL IRRADIATION FOR NON GERMINOMATOUS GERM CELL TUMOURS AFTER CHEMOTHERAPY. Neuro-Oncology, 2018, 20, i176-i177.	1.2	0
120	Proton Radiotherapy Could Reduce the Risk of Fatal Second Cancers for Children with Intracranial Tumors in Low- and Middle-Income Countries. International Journal of Particle Therapy, 2021, 7, 1-10.	1.8	0
121	Supportive care for toxicities in children undergoing radiation therapy. Pediatric Blood and Cancer, 2021, 68, e28597.	1.5	0
122	A Prospective Evaluation of Fatigue in Pediatric Brain Tumor Patients Treated With Radiation Therapy. , 0, , 275275302110560.		0