

Editorial

ASTRO's *Advances in Radiation Oncology's* Top Twenty Downloads for 2021



Our year in publishing at *ASTRO's Advances in Radiation Oncology* in 2020 was focused sharply on the response to the pandemic. Although the pandemic continued through 2021, our readers have been interested in a more diverse range of topics more recently, as evidenced by our top 20 downloads for the previous year.

Unlike 2020, there was no single overriding theme to last year's articles that readers saved the most. The most downloaded article was focused on a difficult topic, that of reirradiation in breast cancer for local and regional recurrences. This Mayo Clinic study found that "Reirradiation for locoregional recurrent breast cancer is feasible with acceptable rates of toxicity. Disease control and survival are promising among curative intent reirradiation patients without gross disease."¹ Breast cancer was a common topic for our most popular downloads, accounting for four of the top twenty most popular articles.

The second most downloaded article, is a case report describing an unusual adverse event after placement of an injectable, biodegradable spacers.² The third most popular

was also focused on long term complications of prostate cancer radiotherapy relating to dose escalation and hip injury.³

Coming in fourth is another article focused on reirradiation presented by an international expert panel who developed a consensus statement detailing best practices for the evaluation and treatment of patients with recurrent non-small lung cancer.⁴ In fifth place, is a review article summarizing work in an increasingly popular topic, mobile health applications designed to collect and monitor patient reported outcomes.⁵

The remaining fifteen articles contain a variety of topics, and I would encourage our readers who have not seen them to download. *Advances* continues to gain readers and increase its impact on the scientific world. Using the CiteScore metric, similar but not identical to an Impact Factor Score, *Advances* has a score of 3.8. However, the CiteScore Tracker anticipates that growing to 4.2 this year. We anticipate receiving a traditional Impact Factor score later this year.

Top 20 downloads for articles published in 2021.

Rank	Title	Authors
1	Reirradiation for Locoregional Recurrent Breast Cancer ¹	Fattahi, S.; Ahmed, S.; Park, S.; Petersen, I.; Shumway, D.; Stish, B.; Yan, E.; Remmes, N.; Mutter, R.; Corbin, K.
2	Hydrogel Spacer Rectal Wall Infiltration Associated With Severe Rectal Injury and Related Complications After Dose Intensified Prostate Cancer Stereotactic Ablative Radiation Therapy ²	McLaughlin, M.; Folkert, M.; Timmerman, R.; Hannan, R.; Garant, A.; Hudak, S.; Costa, D.; Desai, N.
3	Long-Term Risk of Hip Complications After Radiation Therapy for Prostate Cancer: A Dose-Response Study ³	Rasmusson, E.; Nilsson, P.; Kjellén, E.; Gunnlaugsson, A.
4	An International Expert Survey on the Indications and Practice of Radical Thoracic Reirradiation for Non-Small Cell Lung Cancer ⁴	Rulach, R.; Ball, D.; Chua, K.; Dahele, M.; De Ruyscher, D.; Franks, K.; Gomez, D.; Guckenberger, M.; Hanna, G.; Louie, A.; Moghanaki, D.; Palma, D.; Peedell, C.; Salem, A.; Siva, S.; Videtic, G.; Chalmers, A.; Harrow, S.

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<i>(Continued)</i>		
Rank	Title	Authors
5	Evaluation of Mobile Health Applications to Track Patient-Reported Outcomes for Oncology Patients: A Systematic Review ⁵	Lu, D.; Girgis, M.; David, J.; Chung, E.; Atkins, K.; Kamrava, M.
6	Spatially fractionated stereotactic body radiation therapy (Lattice) for large tumors ⁶	Duriseti, S.; Kavanaugh, J.; Goddu, S.; Price, A.; Knutson, N.; Reynoso, F.; Michalski, J.; Mutic, S.; Robinson, C.; Spraker, M.
7	Should Postoperative Radiation for Long Bone Metastases Cover Part or All of the Orthopedic Hardware? Results of a Large Retrospective Analysis ⁷	Rosen, D.; Haseltine, J.; Bartelstein, M.; Flynn, J.; Zhang, Z.; Kohutek, Z.; Yamada, Y.; Schmitt, A.; Higginson, D.; Vaynrub, M.; Yang, J.; Gillespie, E.
8	The Effect of Slice Thickness on Contours of Brain Metastases for Stereotactic Radiosurgery ⁸	Thrower, S.; Al Feghali, K.; Luo, D.; Paddick, I.; Hou, P.; Briere, T.; Li, J.; McAleer, M.; McGovern, S.; Woodhouse, K.; Yeboa, D.; Brock, K.; Chung, C.
9	Hypofractionated Postmastectomy Radiation Therapy ⁹	Sayan, M.; Yehia, Z.; Ohri, N.; Haffty, B.
10	The Declining Residency Applicant Pool: A Multi-Institutional Medical Student Survey to Identify Precipitating Factors ¹⁰	Wu, T.; McCloskey, S.; Wallner, P.; Steinberg, M.; Raldow, A.
11	Total Body Irradiation and Total Skin Irradiation Techniques in Belgium and the Netherlands: Current Clinical Practice ¹¹	Koken, P.; Murrer, L.
12	The Hippocampus: A New Organ at Risk for Postoperative Radiation Therapy for Bucco-alveolar Cancer? A Dosimetric and Biological Analysis ¹²	Nangia, S.; Singh, M.; Khosa, R.; Rout, S.; Singh, G.; Oomen, S.
13	Ablative Five-Fraction Stereotactic Body Radiation Therapy for Inoperable Pancreatic Cancer Using Online MR-Guided Adaptation ¹³	Hassanzadeh, C.; Rudra, S.; Bommireddy, A.; Hawkins, W.; Wang-Gillam, A.; Fields, R.; Cai, B.; Park, J.; Green, O.; Roach, M.; Henke, L.; Kim, H.
14	Genomically Guided Breast Radiation Therapy: A Review of the Current Data and Future Directions ¹⁴	Liveringhouse, C.; Washington, I.; Diaz, R.; Jimenez, R.; Harris, E.; Rabinovitch, R.; Woodward, W.; Torres-Roca, J.; Ahmed, K.
15	Residency Match Trends, Racial Disparity, and Matching Amid a Pandemic ¹⁵	Vassantachart, A.; Hwang, L.; Vassantachart, A.; Jennelle, R.
16	Radiation-Induced Brachial Plexopathy in Patients With Breast Cancer Treated With Comprehensive Adjuvant Radiation Therapy ¹⁶	Rudra, S.; Roy, A.; Breneman, R.; Gabani, P.; Roach, M.; Ochoa, L.; Prather, H.; Appleton, C.; Margenthaler, J.; Peterson, L.; Bagegni, N.; Zoberi, J.; Garcia-Ramirez, J.; Thomas, M.; Zoberi, I.
17	A Review and Analysis of Managing Commonly Seen Implanted Devices for Patients Undergoing Radiation Therapy ¹⁷	Chan, M.; Young, C.; Gelblum, D.; Shi, C.; Rincon, C.; Hipp, E.; Li, J.; Wang, D.
18	Current Social Media Use Among Radiation Oncology Trainees ¹⁸	Albert, A.; Kahn, J.; Knoll, M.; Lirette, S.; Yechieli, R.; Gerber, N.; Jagsi, R.; Katz, M.
19	A Comparison of Predicted Ipsilateral Tumor Recurrence Risks in Patients With Ductal Carcinoma in Situ of the Breast After Breast-Conserving Surgery by Breast Radiation Oncologists, the Van Nuys Prognostic Index, the Memorial Sloan Kettering Cancer Center DCIS Nomogram, and the 12-Gene DCIS Score Assay ¹⁹	Lei, R.; Carter, D.; Antell, A.; Nowels, M.; Tole, S.; Bennett, J.; Turner, M.; Baehner, F.; Leonard, C.
20	Stereotactic Versus Conventional Radiation Therapy for Patients With Pancreatic Cancer in the Modern Era ²⁰	Abi Jaoude, J.; Thunshelle, C.; Kouzy, R.; Nguyen, N.; Lin, D.; Prakash, L.; Bumanlag, I.; Noticewala, S.; Niedzielski, J.; Beddar, S.; Ludmir, E.; Holliday, E.; Das, P.; Minsky, B.; Herman, J.; Katz, M.; Koong, A.; Koay, E.; Taniguchi, C.

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