

Editorial

ASTRO's *Advances in Radiation Oncology's* Top 20 Downloads for 2022



Our top downloads for the ASTRO's *Advances in Radiation Oncology* in 2022 were focused on a variety of topics, reflecting shifting interests in our profession with reirradiation, hypofractionation, and symptom management to improve both the short-term and long-term quality of life of our patients. [Table 1](#) contains a list and links to our 20 most downloaded articles in 2022. Approximately half of our top 20 downloads relate to hypofractionation and reirradiation/symptom management. Although we continue to publish a handful of COVID-19-related articles, this topic no longer has the clinical urgency that was seen in 2020 and 2021.

Our most downloaded article, by Fattahi et al, continues to be the Mayo Clinic study on breast reirradiation. This article reported outcomes that suggest that “[r]eirradiation 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

Our second most downloaded article, from Chan et al, also focused on breast cancer and was a systematic review and meta-analysis of the literature on radiation-induced fibrosis after breast radiation. The authors suggested that “[a]lthough isolated studies show significant results favorable to the experimental groups, caution should be exercised in these findings because of the small number, small sample size, and high risk of bias presented by some of the included studies, which makes the recommendation for clinical practice still weak.”²

Coming in at number three was a review of issues associated with irradiating patients with implantable medical devices, an area where allowances must be made for a wide variety of devices that now include not only cardiac pacemakers but also “implanted cardiac defibrillators, programmable hepatic pumps, pain pumps, neurostimulators, cerebral shunts, and loop recorders.” The article includes a sample workflow incorporating each of these devices, with risk categories based on AAPM TG-203.³

Our fourth and fifth most downloaded articles are related to prostate cancer, the fourth focusing on the long-term risk of hip complications⁴ and the fifth on the prognostic value of perineural invasion in patients with pT₂N₀R₀ prostate cancer.⁵

Our journal continues to grow in readership and citations. [Table 2](#) contains our top 5 most cited articles in 2022. We anticipate receiving an Impact Factor later this year. Currently, our CiteScore, an alternative measure of impact using 4 years of data rather than data from the previous 2 years that Impact Factor measures, is 4.3 ([Fig. 1](#)). With a total 6266 citations of our journal articles published between 2016 and 2022, *Advances* is the global leader among open-access radiation journals for number of citations ([Fig. 2](#)). As an open-access journal, *Advances* is always freely available to any health care professional or researcher in the world. It is also freely available to our patients, their families, and patient advocacy groups around the world ([Fig. 3](#)).

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Table 1 Top 20 downloads from ASTRO's *Advances in Radiation Oncology* during 2022

DOI address	Article title	First author
https://doi.org/10.1016/j.adro.2020.100640	Reirradiation for Locoregional Recurrent Breast Cancer	Fattahi, S.
https://doi.org/10.1016/j.adro.2022.100912	Interventions for Radiation-Induced Fibrosis in Patients With Breast Cancer: Systematic Review and Meta-analyses	Nogueira, R.
https://doi.org/10.1016/j.adro.2021.100732	A Review and Analysis of Managing Commonly Seen Implanted Devices for Patients Undergoing Radiation Therapy	Chan, M.
https://doi.org/10.1016/j.adro.2020.09.011	Long-Term Risk of Hip Complications After Radiation Therapy for Prostate Cancer: A Dose-Response Study	Rasmusson, E.
https://doi.org/10.1016/j.adro.2018.09.006	The Perineural Invasion Paradox: Is Perineural Invasion an Independent Prognostic Indicator of Biochemical Recurrence Risk in Patients With pT2N0R0 Prostate Cancer? A Multi-Institutional Study	Kraus, R.
https://doi.org/10.1016/j.adro.2022.100909	A Patient-Level Data Meta-analysis of the Abscopal Effect	Hatten, S.
https://doi.org/10.1016/j.adro.2021.100877	Adoption of Ultrahypofractionated Radiation Therapy in Patients With Breast Cancer	Corrigan, K. J.
https://doi.org/10.1016/j.adro.2021.100653	An International Expert Survey on the Indications and Practice of Radical Thoracic Reirradiation for Non-Small Cell Lung Cancer	Rulach, R.
https://doi.org/10.1016/j.adro.2021.100850	Is 5 the New 25? Long-Term Oncologic Outcomes From a Phase II, Prospective, 5-Fraction Preoperative Radiation Therapy Trial in Patients With Localized Soft Tissue Sarcoma	Bedi, M.
https://doi.org/10.1016/j.adro.2020.100639	Spatially Fractionated Stereotactic Body Radiation Therapy (Lattice) for Large Tumors	Duriseti, S.
https://doi.org/10.1016/j.adro.2022.100941	Addition of Enzalutamide to Leuprolide and Definitive Radiation Therapy Is Tolerable and Effective in High-Risk Localized or Regional Nonmetastatic Prostate Cancer: Results From a Phase 2 Trial	Shee, K.
https://doi.org/10.1016/j.adro.2022.100919	Characterizing Twitter Influencers in Radiation Oncology	Valle, L.
https://doi.org/10.1016/j.adro.2021.100708	The Effect of Slice Thickness on Contours of Brain Metastases for Stereotactic Radiosurgery	Thrower, S.
https://doi.org/10.1016/j.adro.2020.09.016	Evaluation of Mobile Health Applications to Track Patient-Reported Outcomes for Oncology Patients: A Systematic Review	Lu, D.
https://doi.org/10.1016/j.adro.2021.100871	Rapid and Durable Symptom Palliation With Quad Shot Radiation Therapy to Nonosseous Metastatic/Recurrent Cancer in Elderly or Frail Patients in a Rural Community Clinic	Kil, W.
https://doi.org/10.1016/j.adro.2021.100878	Long-Term Outcomes for Patients With Atypical or Malignant Meningiomas Treated With or Without Radiation Therapy: A 25-Year Retrospective Analysis of a Single-Institution Experience	Kent, C. W.
https://doi.org/10.1016/j.adro.2022.100906	Clinical Outcomes of Dose-Escalated Hypofractionated External Beam Radiation Therapy (5 Gy × 5 Fractions) for Spine Metastasis	Shin, J.
https://doi.org/10.1016/j.adro.2021.100723	Adverse Effects of Total Body Irradiation: A Two-Decade, Single Institution Analysis	Pearlman, R.
https://doi.org/10.1016/j.adro.2021.100713	Hydrogel Spacer Rectal Wall Infiltration Associated With Severe Rectal Injury and Related Complications After Dose Intensified Prostate Cancer Stereotactic Ablative Radiation Therapy	McLaughlin, M.
https://doi.org/10.1016/j.adro.2022.100913	Hypofractionated Radiation Therapy for Unresectable or Metastatic Sarcoma Lesions	Boyce-Fappiano, D.

Table 2 Top cited articles in ASTRO’s *Advances in Radiation Oncology* in the past 3 years

DOI address	Article title	First author	Cited
https://doi.org/10.1016/j.adro.2020.03.010	Prostate Cancer Radiation Therapy Recommendations in Response to COVID-19	Zaorsky, N. G.	129
https://doi.org/10.1016/j.adro.2020.03.013	Breast Radiation Therapy Under COVID-19 Pandemic Resource Constraints—Approaches to Defer or Shorten Treatment From a Comprehensive Cancer Center in the United States	Braunstein, L. Z.	77
https://doi.org/10.1016/j.adro.2020.03.003	Running a Radiation Oncology Department at the Time of Coronavirus: An Italian Experience	Krengli, M.	55
https://doi.org/10.1016/j.adro.2020.06.010	Ablative Five-Fraction Stereotactic Body Radiation Therapy for Inoperable Pancreatic Cancer Using Online MR-Guided Adaptation	Hassanzadeh, C.	49
https://doi.org/10.1016/j.adro.2020.03.006	The Impact of COVID-19 on Radiation Oncology Clinics and Patients With Cancer in the United States	Rivera, A.	48

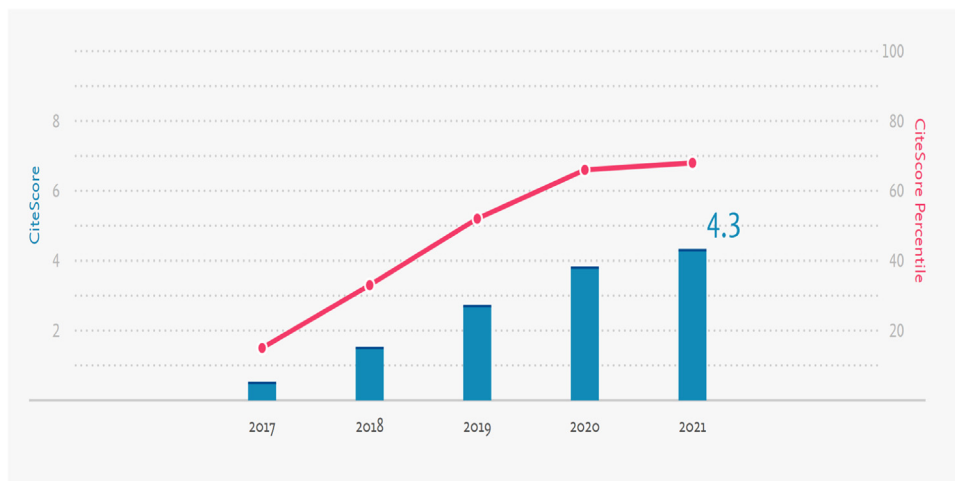


Figure 1 CiteScore ranking for ASTRO’s *Advances in Radiation Oncology* from 2017 to 2021.

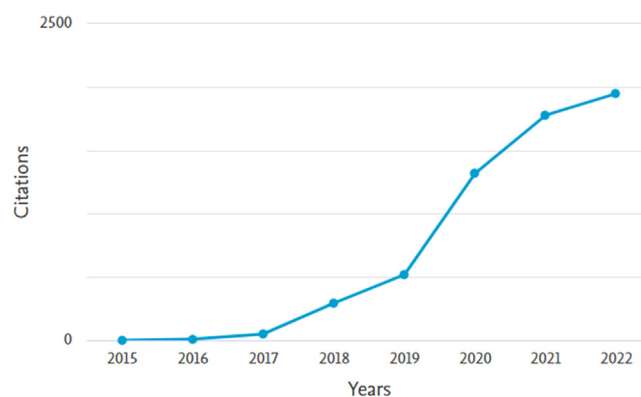


Figure 2 Growth in citations per year for ASTRO’s *Advances in Radiation Oncology* from 2015 to 2022.

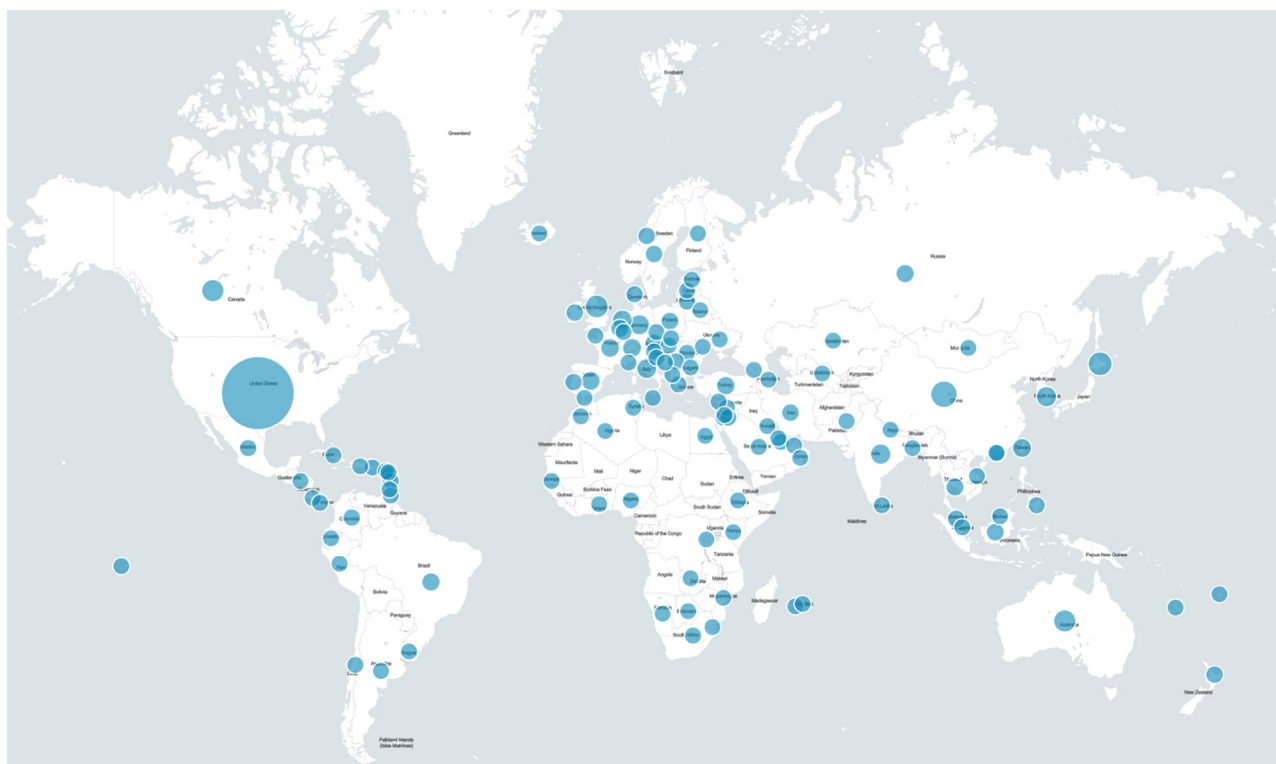


Figure 3 Global distribution of ASTRO's *Advances in Radiation Oncology* during 2022.

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5. Kraus RD, Barsky A, Ji L, et al. The perineural invasion paradox: Is perineural invasion an independent prognostic indicator of biochemical recurrence risk in patients with pT2N0R0 prostate cancer? A multi-institutional study. *Adv Radiat Oncol.* 2018;4:96-102.