

# Automated Cataloging of Radiographics Top 10 Articles in Google Sheets

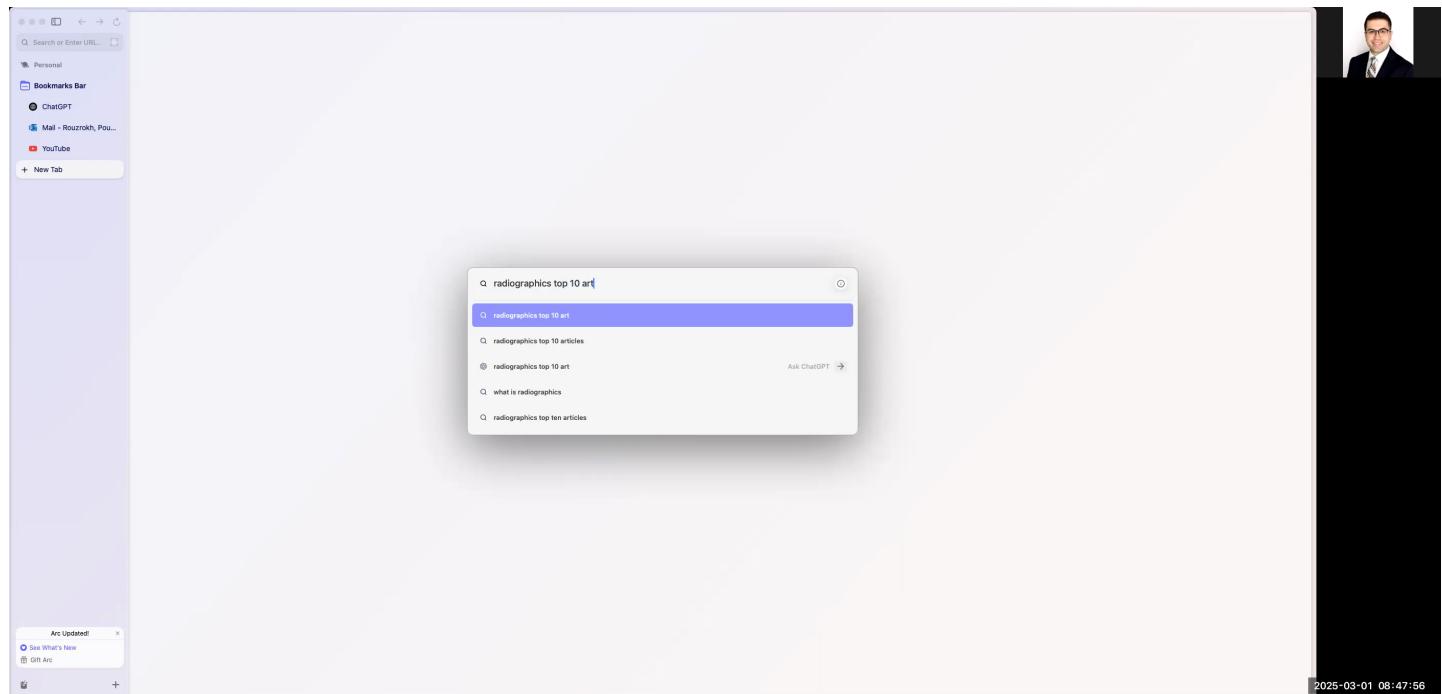
This guide explains how to extract bibliographic data from the Radiographics website's top 10 articles and organize it into a structured Google Sheet. The process prepares this data for further analysis or for use in automation scripts (e.g., in Python). Follow these step-by-step instructions to complete the task.

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## 1. Accessing the Radiographics Website

1. Open your preferred web browser.
2. In the search bar, type "radiographics top 10 articles".
3. Click on the first result titled "RG TEAM Top 10 reading list." This page lists the curated Radiographics articles.



## 2. Navigating Article Categories and Viewing Article Details

1. Once on the Radiographics page, review the available article categories (e.g., Breast Imaging, Cardiac, Musculoskeletal, etc.).
2. Click on a category (for example, "Breast Imaging") to display articles grouped by residency years and levels (e.g., Basic, Intermediate, Advanced).
3. Select any article from one of the categories. On the article's detail page, you will typically see the following fields:
4. **Title:** The name of the article (usually at the top).
5. **Author List:** Listed near the title or in a metadata section.
6. **DOI:** A clickable link representing the article's Digital Object Identifier. Use the full URL (e.g., <https://doi.org/10.1148/rg.202019001>) if available; if not, copy the DOI identifier (e.g., 10.1148/rg.202019001).
7. **Abstract:** A summary of the article, typically located further down the page.
8. **Year:** The publication year which is usually part of the metadata found near the DOI or header. Look for additional publication details that may include the publication date.

The screenshot shows the RadioGraphics website's "Top 10 Reading List" for the subspecialty of Breast Imaging. The page features a red header with the RadioGraphics logo and a navigation bar. Below the header is a large image of a person using a laptop. The main title "RadioGraphics TEAM" is in red, followed by "Top 10 Reading List". A sidebar on the left lists "Resident Year 1", "Resident Year 2", "Resident Year 3", "Resident Year 4", and "Fellows". At the bottom of the page is a footer with the date "Updated September 23, 2024" and the time "2025-03-01 08:49:26".

### 3. Logging into Google Drive and Creating a Workspace

1. Open a new browser tab and go to [drive.google.com](https://drive.google.com).
2. If you are not logged in, sign in using your Google account (enter your email and follow any additional login prompts such as entering a passkey or password).
3. Once logged in, prepare your workspace:
4. Click **New** and select **Folder**.
5. Name the folder (e.g., RG-Top10-Articles).
6. Open this folder, then click **New** again and select **Google Sheets** to create a new blank spreadsheet.
7. Rename the spreadsheet to Top 10 Articles.

! [To display the newly created blank Google Sheet. - A blank Google Sheet open in the created folder with the file name 'Top 10 Articles'.

The screenshot shows a Google Drive interface with a folder named "RG-Top10-Articles" selected. Inside this folder is a single Google Sheet document titled "Top 10 Articles". The left sidebar shows other Google Drive files like Google Docs, Google Sheets, and Google Slides. The right sidebar displays a list of files in the folder, all of which are versions of the "Top 10 Articles" sheet, each with a different timestamp and owner information. The bottom of the screen shows a notification bar and the date "2025-03-01 08:51:07".

### 4. Setting Up Your Google Sheet and Configuring Dropdowns

1. In the blank Google Sheet, set up the following column headers in the first row:
2. Title
3. Author List
4. DOI
5. Year
6. R Year (Residency Year)
7. Level
8. Abstract

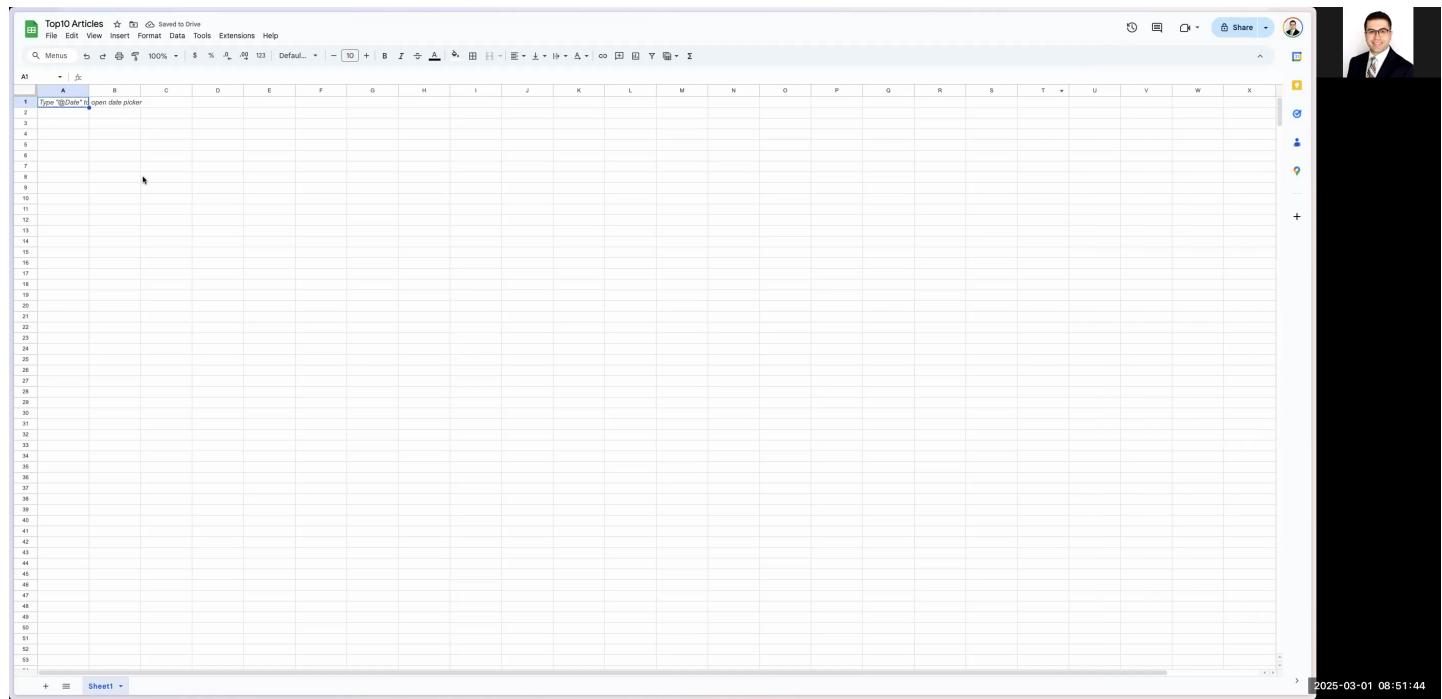
## 9. Configure Dropdown Menus:

10. For the **Level** column, create a dropdown with the options: Basic, Intermediate, and Advanced: a. Select the entire Level column. b. Navigate to **Data > Data validation...** c. Under **Criteria**, choose "List of items" and enter: Basic, Intermediate, Advanced.

11. For the **R Year** column, set up a dropdown with options: R1, R2, R3, and R4 using the same Data validation process.

12. Optionally adjust column widths and apply any desired formatting (e.g., bold headers, cell coloring) to enhance clarity.

! [To illustrate configuring dropdown menus in Google Sheets for Level and R Year. - The Data validation dialog in Google Sheets]



## 5. Extracting Article Data

For each article on the Radiographics website, follow these steps:

### 1. Copy the Article Title:

2. Highlight the article title (usually at the top of the article page) and copy it.

Paste the title into the corresponding cell under the "Title" column in your Google Sheet.

### Copy the Author List:

5. Locate the author names (typically displayed near the title or in a metadata section) and copy them.

Paste the author list into the "Author List" column.

### Copy the DOI:

8. Find the DOI link on the article page. If the page displays the full URL (e.g., <https://doi.org/10.1148/rg.202019001>), copy the entire URL.

9. If only the DOI number (e.g., 10.1148/rg.202019001) is visible, copy that identifier.

Paste the DOI into the "DOI" column. **Note:** Consistently use either the full URL or the DOI number across all entries.

### Copy the Abstract:

12. Scroll to where the abstract is displayed on the article page.

Highlight the abstract text and copy it. Paste it into the "Abstract" column.

### Extract the Year:

15. Locate the publication year, which is usually found in the metadata near the DOI or in the header of the article page.

Manually enter the year (e.g., 2019) into the "Year" column.

### Populate Residency Year and Level Dropdowns:

18. Using your pre-configured dropdown menus in the Google Sheet, select the correct residency year (e.g., R1) and level (e.g., Basic). These details are part of the article categorization displayed on the Radiographics page.

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Information

**RadioGraphics TEAM**  
Top 10 Reading List

Breast Imaging

Resident Year 1 | Resident Year 2 | Resident Year 3 | Resident Year 4 | Fellows

Updated September 23, 2024

Resident Year 1

**Basic**

- Digital Breast Tomosynthesis: Physics, Artifacts, and Quality Control Considerations
- Nikki Tirada, Thomas Ernst
- Feb 15 2019

BI-RADS Terminology for Mammography Reports: What Residents Need to Know

- Karina Pesci, Andrea Cernadas
- Mar 7 2019

Digital Breast Tomosynthesis in the Diagnostic Setting: Indications and Clinical Applications

- Heather R. Peppard, Jennifer A. Harvey
- Mar 29 2015

**Intermediate**

- Genetic Testing and Screening Recommendations for Patients with Hereditary Breast Cancer
- Puja P. Bharucha, Nikki P. Tirada
- May 29 2020

Imaging and Management of Fibroepithelial Lesions of the Breast: Radiologic-Pathologic Correlation

- Meng Zhang, Jody C. Hayes
- Oct 19 2023

Developing Asymmetries at Mammography: A Multimodality Approach to Assessment and Management

- Allison L. Chesebro, Catherine S. Goss
- Feb 19 2016

2025-03-01 08:49:26

## 6. Cleansing Pasted Text Using the Address Bar Trick

Sometimes, when you copy text (especially the Author List or Abstract), extraneous formatting characters or extra spaces may be included. To clean the text:

- Paste the copied text into your browser's address bar. This action automatically removes extra line breaks and unwanted formatting, giving you a continuous string of text.
- Once pasted, re-copy the cleansed text directly from the address bar.
- Then, paste the cleaned text into the appropriate cell in your Google Sheet.

*Example:* If the abstract appears with multiple line breaks and irregular spacing, pasting it into the address bar will reformat it to a cleaner version (e.g., "Before: messy abstract text | After: clean text after address bar paste").

The screenshot shows two windows side-by-side. On the left is a Google Sheets document titled 'RG-Top10-Articles - Google Sheets'. It has a single sheet with columns labeled A through G. Column A contains article titles, and columns B through G contain various metadata fields. The first row is a header. The second row, which corresponds to the first article in the list, has its 'Abstract' field populated with text from a copied PubMed abstract. The right window is a PubMed search result for 'Digital Breast Tomosynthesis: Physics, Artifacts, and Quality Control Considerations' by Nikki Tirada and Thomas Ernst. The abstract text in the Google Sheets cell matches the abstract text shown in the PubMed preview. Both windows show the date '2025-03-01 08:49:26' in their bottom right corners.

## 7. Finalizing Your Spreadsheet

- Review each row to verify that all required fields (Title, Author List, DOI, Year, R Year, Level, and Abstract) are correctly populated for each article.
- Remove any unused rows or columns to maintain a tidy sheet.
- Make any formatting adjustments (e.g., bolding article titles, adjusting text wrapping in the Abstract column) for visual clarity.
- Confirm that the dropdown menus are working correctly by clicking on a cell in the Level column and verifying that the options (Basic, Intermediate, Advanced) appear. Do the same for the R Year column.
- Once reviewed, notify the relevant stakeholders or integrate the sheet with your Python project for further processing.



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## Conclusion

By following these detailed steps, you can automate the process of cataloging Radiographics top 10 articles into a Google Sheet. This organized sheet is ready for further data analysis or integration with automation and Python programs. If you encounter any issues, refer back to the relevant section of this guide for clarification.

Happy cataloging!