

Supplementary Material

Table 1. Database Searches

Database	Records Identified ¹	Search Strategy
PsycINFO	1,526	(scien* OR tech OR technolog* OR environ* OR climate OR engineer* OR chemistry OR physics OR astronom* OR astrophysics OR biotech OR medic* OR nanotech* OR genetic*) AND ("scien* communicat*" OR "scien* public relation*" OR "public service announc*" OR PSA OR PR OR expert) AND (video* OR clips OR youtube OR film OR "motion picture" OR recorded OR recording OR instagram OR digital OR tiktok OR "tik tok" OR tedtalk OR "ted talk" OR broadcast OR online OR videotape OR TV OR televis* OR animat* OR reels OR vimeo OR documentar* OR social media)
Pubmed	5,964	
ERIC	1,260	
GeoRef	510	
Communication Abstracts/ Communication & Mass Media Complete	1,311	
Scopus	3,748	"science communication video," looked through first 300 hits, didn't grab pubs before 2013, didn't grab books or theses
Google Scholar	97	

¹Including duplicates; Searches completed June-July 2023.

Example Database Search: PsycINFO

1. Search Terms - Search terms (included in the table above) were developed to identify articles specifically addressing video-based science communication.

2. Search Strategy and Filters

- **Date of Search:** June 28, 2023.
- **Publication Date Range:** We limited the publication date range from June 28, 2013 to June 28, 2023 to capture research within the past decade.
- **Search Fields:** We restricted our search to terms appearing in the document title and abstract (TIAB) to ensure relevance to our research focus on video-based science communication.
- **Peer Review:** We selected options to limit results to articles that were peer-reviewed.
- **Language Filter:** Our review was restricted to articles written in English.
- **Record Type:** Journal Article

3. Identification and Screening of Articles

- **Results:** The search yielded 1,526 articles.
- **Data Management:** We uploaded all identified articles into Covidence, a systematic review management tool, to facilitate screening, data extraction, and further analysis.

4. Review Process in Covidence - The articles in Covidence were screened according to our predefined inclusion and exclusion criteria, as detailed in the main manuscript, to determine the final set of studies included as part of the scoping review.

Table 2. Researcher Citation Searches

Researcher	Number of Articles ¹	Number of Relevant Articles Identified
John C. Besley	148	5
Dietram A. Scheufele	303	2
Matthew C. Nisbet	181	2
Dominique Brossard	244	11
Cassidy R. Sugimoto	203	5
Bruce Lewenstein	181	2
Noriko Hara	122	3
Shupeí Yuan	49	11
Ayelet Baram-Tsabari	115	9
Michael A. Cacciatore	61	3
Sarah R Davies	118	3
Anthony Dudo	71	1
Ashley A. Anderson	48	7
Sara K. Yeo	65	4
Paige Brown Jarreau	38	1
Julia Metag	85	1
Emma Weitkamp	140	1
Michael Dahlstrom	40	1

¹As of June 2023.