Scientific Literature Resources: A Guide for CNRA Employees

CALIFORNIA NATURAL RESOURCES AGENCY

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INTRODUCTION

The California Natural Resources Agency (CNRA) states its mission as:

> *"To protect, manage, and restore the state's environment and its vast natural, cultural, and historical resources. We advance this work with science as our foundation and inclusion and collaboration as our guiding principles."*

To support this mission, CNRA strives to provide their staff with access to the latest scientific research to inform each individual department's important management, regulatory, and policy decisions.

This guide outlines the scientific literature resources available to staff in departments participating in the CNRA Partnership for Scientific Literature Access. This guide, however, does not reflect all the scientific literature resources available to employees in these departments. For additional resources, contact your supervisor or department librarian.

Departments in this partnership include:

- California Energy Commission (CEC)
- California Coastal Commission
- California Science Center
- California Tahoe Conservancy
- Colorado River Board of California
- Delta Protection Commission, Delta Stewardship Council
- Department of Conservation (DOC)
- Department of Forestry and Fire Protection
- Department of Parks and Recreation
- Department of Fish and Wildlife (CDFW)
- Department of Water Resources
- Ocean Protection Council
- Office of Energy Infrastructure Safety
- Sacramento-San Joaquin Delta Conservancy
- San Diego River Conservancy
- San Francisco Bay Conservation and Development Commission
- San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy
- Sierra Nevada Conservancy
- State Lands Commission

The California Energy Commission (CEC) Library serves as the administrator for the academic journal and database subscriptions shared by this partnership. Staff in

participating departments can utilize the CNRA Partnership for Scientific Literature Access SharePoint site for up-to-date information on subscriptions and additional tools for locating scientific literature. To request access, email library@energy.ca.gov.

Our current hybrid workplace requires staff to have the ability to access scientific literature resources while teleworking outside of department offices. This guide contains information on how to access online resources while working remotely (see Appendix D).

Staff will need a California State Library (CSL) borrower card to access some of the databases and journals listed in this guide. The CSL serves as the central reference and research library for state government and the legislature. State employees can request a free library card online through the CSL's online library card application. Staff must provide their agency affiliation and work email address to confirm their state employment status.

For questions or issues related to resources in this guide, please contact CEC Library staff at library@energy.ca.gov.

SECTION 1: ONLINE RESOURCES

CNRA employees can access a variety of online resources from their department and home offices. This section highlights a selection of databases, academic journals, newspapers, eBook providers, and more—some of which are available only to staff in specific departments, as noted. Staff will need a California State Library (CSL) borrower card to access some of the databases and journals listed in this section.

Staff are encouraged to use the CNRA Partnership for Scientific Literature Access SharePoint site for the latest information on scientific resources available, online search tips, and several guides on accessing scientific literature. In addition to the resources outlined in this guide, the SharePoint site serves as a valuable starting point for literature searches, providing direct links to many online resources. It also includes citation lists for publications funded by CNRA department grants, supported by CNRA work, or authored by CNRA staff.

Contact the CEC Library at library@energy.ca.gov to request access. Staff will need to download the Microsoft Authenticator smartphone application to perform the multi-factor authentication necessary for accessing the SharePoint site.

1.1 Citation Databases

Citation databases are powerful research tools that index publication citations from a wide range of sources, including journal articles, book chapters, conference proceedings, and trade publications. Information in these databases often includes the publication's title, author(s), journal title, volume, pages, publication date, DOI, abstract, and the number of times the publication has been cited in other publications.

Researchers use citation databases for multiple purposes:

- Locating resources for literature reviews, reports, and scientific projects
- Conducting citation analysis to measure research impact and identify influential works

Two widely used citation databases are Google Scholar and Scopus.

Google Scholar

Google Scholar is a free citation index database that helps users locate scholarly literature. When compared to other citation databases, researchers will typically retrieve more results with Google Scholar. This occurs for several reasons:

- **Broader indexing:** Google Scholar includes additional resource types such as court opinions, theses, and limited government publications.
- **Full-text searching:** Unlike other citation databases that search specific fields (title, author, abstract), Google Scholar searches the entire full-text document for keywords.
- **Lack of curation:** Google Scholar's algorithm does not curate or verify the resources it indexes, meaning results may include materials that are not peer-reviewed or from credible sources.

While Google Scholar remains both useful and popular, researchers should keep these limitations in mind when using the database.

See Appendix B on how to add full-text links to Google Scholar. This feature provides a clickable link in search results that takes you directly to the complete version of the article, book chapter, or paper if our library has a subscription.

Scopus

Scopus is a multidisciplinary abstract and citation index database produced by Elsevier, a leading scientific publisher. It serves as a comprehensive research platform covering a wide range of disciplines including science, technology, medicine, social sciences, and more. Scopus indexes millions of journal articles, conference papers, patents, and book chapters from thousands of publishers worldwide. Advanced search options allow users to search by funding source, author affiliation, biological entity, or chemical entity.

→ **Remote access instructions:** Use a VPN connection to your department network or register an Elsevier/ScienceDirect login with your work email address for remote access.

Pubmed

Available online to the public since 1996, PubMed was developed and is maintained by the National Center for Biotechnology Information (NCBI), at the U.S. National Library of Medicine (NLM), located at the National Institutes of Health (NIH). PubMed comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher websites.

1.2 Databases

Biodiversity Heritage Library

BHL is the world's largest open access digital library for biodiversity literature and archives. Headquartered at the Smithsonian Libraries and Archives in Washington, D.C., BHL operates as a worldwide consortium of natural history, botanical, research, and national libraries working together to address this challenge by digitizing the natural history literature held in their collections and making it freely available for open access as part of a global biodiversity community.

Birds of the World

The most comprehensive reference for the life histories of over 11,000 bird species, produced by the Cornell Lab of Ornithology. This online scientific publication merges and enhances content, data, multimedia, figures, and illustrations from four different ornithological volumes: Birds of North America (BNA), Neotropical Birds, Handbook of Birds of the World (HBW Alive), and Bird Families of the World.

→ **Remote access instructions:** Use a VPN connection to your department network or contact CEC Library staff at library@energy.ca.gov for a personal login.

EBSCOhost

An online literature database containing thousands of journal articles (many with full-text access) that cover a wide variety of subjects. Content includes the following collections:

- Academic Search Ultimate
- APA PsycArticles
- Applied Science & Technology Source Ultimate
- Business Source Complete
- Education Source
- Environment Complete
- GreenFile
- Library, Information Science, and Technology Abstracts
- MEDLINE Complete
- OpenDissertations
- Psychology and Behavioral Sciences Collection
- Regional Business News
- SocINDEX with Full Text
- STM Source

- Teacher Reference Center

See Basic Search on EBSCO Interfaces and Advanced Search on EBSCO Interfaces for database search instructions and tips.

Staff will need a CSL borrower card to access this resource.

GeoScience World (CGS Only)

GeoScience World offers full-text access to 57 different earth science journals focusing on varying aspects of geology, minerals, seismology, and more.

→ **Remote access instructions:** Use a VPN connection to your department network or contact California Geological Survey (CGS) Library staff at cgslibrary@conservation.ca.gov for assistance.

GeoRef Database (CGS Only)

The GeoRef database, available through GeoScience World, is the most comprehensive bibliographic database in the geosciences. It contains over 4.8 million references to geoscience journal articles, books, maps, conference papers, reports, and theses.

→ **Remote access instructions:** Use a VPN connection to your department network or contact CGS Library staff at cgslibrary@conservation.ca.gov for assistance.

HeinOnline

A searchable digital library of full-text collections of legal journals, texts, cases, statutes, regulations, presidential materials, treaties, as well as international and foreign legal journals, cases, and materials. Contains select environmental law journals.

See HeinOnline Help for database search instructions and tips.

Staff will need a CSL borrower card to access this resource.

IEEE Xplore (CEC Only)

This database contains documents from IEEE journals, transactions, magazines, letters, conference proceedings, and Institution of Engineering and Technology publications covering subjects in electrical engineering, computer science, and electronics.

See IEEE Xplore Resources and Help for database search instructions and tips.

→ **Remote access instructions:** Visit the CEC Library's internal SharePoint for remote access instructions.

JSTOR (CDFW Only)

Full runs of more than 2,600 top scholarly journals in the humanities, social sciences, and sciences. JSTOR works with a diverse group of nearly 1,200 publishers from more than 57 countries to preserve and make their content digitally available.

See JSTOR's How to Search LibGuide for database search instructions and tips.

→ **Remote access instructions:**
CDFW Staff: Visit the CDFW Literature Access internal SharePoint for remote access instructions.

ProQuest Sci-Tech Premium Collection

Provides full-text titles from around the world, including scholarly journals, trade and industry journals, magazines, technical reports, conference proceedings, government publications, and more. Includes the natural science collection databases for agricultural and environmental science; earth, atmospheric and aquatic science; biological science; and technology collection databases for advanced technologies and aerospace and materials science and engineering.

See ProQuest Platform Search Tips LibGuide for database search instructions and tips.

Staff will need a CSL borrower card to access this resource.

ScienceDirect

ScienceDirect is a large database of peer-reviewed scientific journals, articles, book chapters, and open access content, providing full-text access to over 200 academic journals on the topics of environmental science and energy.

See ScienceDirect User's Quick Start Guide for database search instructions and tips.

→ **Remote access instructions:** Access available to CNRA departments in this partnership. Use a VPN connection to your department network or register a ScienceDirect login with your work email address for remote access.

SciFinder Discovery Platform

A research discovery application that provides integrated access to the world's most comprehensive and authoritative source of references, substances, and reactions in chemistry and related sciences.

Staff will need a CSL borrower card and a state agency email address to register for access to this resource.

Techstreet (CEC Only)

The CEC Library has a subscription to UL standards, select ASHRAE standards and guidelines, and more.

→ **Remote access instructions:** Visit the CEC Library's internal SharePoint for remote access instructions.

1.3 Academic Journals

CNRA department staff can access over 100,000 academic journals and eBooks through open access, department subscriptions, and the CSL. To browse or search a list, visit the A-Z Journal List via the CEC Library's Discovery Service.

Many popular scientific magazines, such as National Geographic and Smithsonian Magazine, can be accessed through local public libraries. See the Sacramento Public Library's digital magazine collection as an example.

American Association for the Advancement of Science

Staff can access the following AAAS journals through the Biodiversity Heritage Library and CSL subscriptions.

- Science
- Science Advances (Open Access)

American Chemical Society

CNRA departments in this partnership subscribe to the following journal directly from ACS.

- Environmental Science and Technology

→ **Remote access instructions:** Use a VPN connection to your department network.

American Society of Civil Engineers (CGS Only)

CGS employees can access this subscription through the publisher's website.

- Journal of Geotechnical and Geoenvironmental Engineering

→ **Remote access instructions:** Use a VPN connection to your department network or contact CGS Library staff at cgslibrary@conservation.ca.gov for assistance.

American Veterinary Medical Association

Staff can access this subscription through the link below or the CSL website.

- American Journal of Veterinary Research

Canadian Science Publishing

CNRA departments in this partnership can access the following journal directly from CSP.

- Drone Systems and Applications (formerly Journal of Unmanned Vehicle Systems) (Open Access 2022-current)

→ **Remote access instructions:** Use a VPN connection to your department network for 2013-2021 issues.

Staff can access the following CSP publication with a CSL borrower card.

- Canadian Journal of Fisheries and Aquatic Sciences

Oxford

CNRA departments in this partnership subscribe to the following journals directly from Oxford. CNRA staff can access these publications via the publisher's website.

- American Fisheries Society journals
    - Fisheries
    - Journal of Aquatic Animal Health
    - North American Journal of Aquaculture
    - North American Journal of Fisheries Management
    - Transactions of the American Fisheries Society
- Ornithology (formerly Auk)
- Ornithological Applications (formerly The Condor)
- Journal of Forestry (2021-2024, 2025-current issues available from Springer)
- Journal of Mammalogy

→ **Remote access instructions:** Use a VPN connection to your department network, use the referral links on the CNRA Partnership for Scientific Literature Access SharePoint site, or contact the CEC Library at library@energy.ca.gov with citation information of the article you would like to access. See Appendix D.

National Academy of Science

CNRA departments in this partnership subscribe to the following journal directly from the National Academy of Science. CNRA staff can access this publication via the publisher's website.

- Proceedings of the National Academy of Science

→ **Remote access instructions:** Use a VPN connection to your department network.

Springer

CNRA departments in this partnership subscribe to the following journals directly from Springer. CNRA staff can access these publications via the publisher's website.

- Climatic Change
- Conservation Genetics
- Estuaries and Coasts
- Historical Archaeology
- Journal of Environmental Studies and Sciences
- Journal of Forestry
- Wetlands
- Wetlands Ecology and Management

→ **Remote access instructions:** Use a VPN connection to your department network, use the referral links on the CNRA Partnership for Scientific Literature Access SharePoint site, or contact the CEC Library at library@energy.ca.gov for instructions on creating a personal login. See Appendix D.

Staff can access the following Springer journals with a CSL borrower card.

- Environmental Biology of Fishes (1997-365 days ago)
- Nature (1990-365 days ago)
- Nature Climate Change (2011-365 days ago)
- Nature Ecology and Evolution (2017-365 days ago)
- Nature Plants (2015-365 days ago)
- Nature Water (2023-365 days ago)
- Scientific American (2007-present)

Taylor and Francis (CEC Only)

The CEC subscribes to the following journals directly from Taylor and Francis. CEC staff can access these publications via the publisher's website.

- California Archaeology
- Climate Policy

→ **Remote access instructions:** Visit the CEC Library's internal SharePoint for remote access instructions.

Wildlife Disease Association

CNRA departments in this partnership subscribe to the following journal directly from the Wildlife Disease Association. CNRA staff can access this publication via the publisher's website.

- Journal of Wildlife Diseases

→ **Remote access instructions:** Use a VPN connection to your department network or use the shared login and password in Appendix D.

Wiley

CNRA departments in this partnership subscribe to a large collection of Wiley journals. CNRA staff can access these publications via the Wiley Online Library. Notable journals include:

- AGU journals (various)
- Conservation Biology
- Ecological Society of America (ESA) journals (various)
- Fisheries (1996-2024)
- Journal of Aquatic Animal Health (1996-2024)
- Journal of Wildlife Management
- Limnology and Oceanography
- Limnology and Oceanography Bulletin
- Limnology and Oceanography: Methods
- Molecular Ecology
- North American Journal of Aquaculture (1996-2024)
- North American Journal of Fisheries Management (1996-2024)
- Restoration Ecology
- Transactions of the American Fisheries Society (1996-2024)
- Water Resources Research
- Wildlife Monographs

→ **Remote access instructions:** Use a VPN connection to your department network or use the shared login and password in Appendix D.

1.4 Newspapers

America's News (NewsBank)

Provides access to full-text articles from over 900 newspapers throughout the United States, including over 100 California titles.

Staff will need a CSL borrower card to access this resource.

E&E News (CEC and CNRA Secretary's Office Only)

E&E News (formerly Environment & Energy Publishing, now E&E News by POLITICO) is a digital news organization focused exclusively on energy, climate, environmental policy, and natural resources. Subscription includes access to E&E Daily, Climatewire, Energywire, Greenwire, and E&E News PM.

→ **Remote access instructions:** Use a VPN connection to your department network.

New York Times

Access to current New York Times content, includes breaking news, multimedia, reviews, opinion pieces, blogs, videos, and more.

Registered CSL borrowers can access the New York Times through this URL. Staff must register and log in with a personal nytimes.com account. Staff will receive a 72-hour pass for access and will need to enter through this URL again to get another pass when it expires.

U.S. Major Dailies

Provides access to five of the country's most respected national and regional newspapers offering researchers complete and timely coverage of local, national, and world events. The collection includes the Chicago Tribune (1985 - current), Los Angeles Times (1985 - current), New York Times (1980 - current), Wall Street Journal (1984 - current), and Washington Post (1987 - current).

Staff will need a CSL borrower card to access this resource.

Wall Street Journal

The preeminent publication for business news and information on financial markets worldwide. Users can quickly access not only top news stories about companies, people, and products, but also detailed information from all the paper's sections including editorials, letters to the editor, stock and bond prices, and currency exchange.

Staff will need a CSL borrower card to access this resource. Log in with your personal wsj.com account or create one if you don't already have an account. Patrons receive a 72-hour access pass. When the pass expires, return to this URL to request a new one.

1.5 E-Books

The CSE Manual: Scientific Style and Format for Authors, Editors, and Publishers (University of Chicago Press)

Now in its ninth edition, this indispensable reference for authors, editors, publishers, students, and translators in all areas of science and related fields has been fully revised by the Council of Science Editors to reflect today's best practices in scientific publishing. This fully searchable online edition makes it easy to find the answers you need quickly.

→ **Remote access instructions:** Use a VPN connection to your department network or use the shared login and password in Appendix D.

National Academies Press

Full-text books and reports from the National Academy of Sciences, the National Academy of Engineering, the Institute of Medicine, and the National Research Council.

Online Glossary of Geology (CGS Only)

This online Glossary by the American Geosciences Institute provides access to more than 39,000 entries from the 5th edition of the print glossary and draws its authority from the expertise of more than 100 geoscientists from varied specialties.

→ **Remote access instructions:** Use a VPN connection to your department network or contact CGS Library staff at cgslibrary@conservation.ca.gov for assistance.

O'Reilly for Higher Education

Access to over 45,000 e-books and over 30,000 hours of videos from more than 200 publishers. Covers a wide range of topics including information technology and software, programming, desktop and web applications, digital media, business, career development, and personal development.

Staff will need a CSL borrower card to access this resource.

ProQuest eBook Central

E-book Central contains eBooks from ProQuest's Academic Complete and DEI collection of approximately 225,000+ titles. Subject coverage includes arts, business, education, diversity, general health, and medicine, history and political science, law, literature and language, religion and philosophy, social science, science and technology, and more.

Staff will need a CSL borrower card to access this resource.

1.6 Government Publications

This section discusses online resources to help staff locate government publications and research.

Archive of the California Government Domain

The Archive of the California Government Domain is a curated collection of websites and documents from California state agencies, preserved by the California State Library through Archive-It. Established in 2015, it captures websites and documents from California state agencies including press releases, agendas, meeting minutes, reports, statistics, and more. The archive ensures long-term public access to historically significant and often transient online content created by California state government offices, departments, and agencies.

California State Library's Government Publications Section

The CSL's Government Publications Section provides the public with free and open access to government information, providing a single primary location for government documents and information assistance. The CSL is the regional depository of the Federal Depository Library Program (FDLP) in California and a full depository for California state government publications distributed under the Library Distribution Act. Search the CSL's online catalog to locate government publications in their collection. Links to publications available online can be found in their catalog records.

OSTI.gov (Federal)

OSTI.gov is the primary search tool for Department of Energy (DOE) science, technology, and engineering research and development results and the organizational hub for information about the DOE Office of Scientific and Technical Information. OSTI.gov makes discoverable over 70 years of research results from DOE and its predecessor agencies. OSTI.gov contains over 3 million records, including citations to 1.5 million journal articles, 1 million of which have digital object identifiers (DOIs) linking to full-text articles on publishers' websites.

Science.gov (Federal)

Science.gov is an official website of the U.S. government providing ready access to the massive stores of federally funded scientific research results, without needing to know which agency funded the research. Research results include scientific and technical reports, peer-reviewed scholarly publications, digital data, software, conference presentations and proceedings, and other scientific and technical information that federal agencies publish resulting from their research investments.

1.7 Codes and Standards

California Code of Regulations

Print copies are available in the reference collection at the CSL's Witkin Law Library. The CEC Library has a print copy of Title 24 in the library's reference collection.

California Environmental Quality Act (CEQA)

The CEQA Statute and Guidelines, published annually by the Association of Environmental Professionals (AEP), provides an unofficial copy of the California Environmental Quality Act (CEQA) — Public Resources Code §§ 21000–21189 — and the CEQA Guidelines — California Code of Regulations, Title 14, Division 6, Chapter 3, §§ 15000–15387. This resource also includes summaries of relevant legislation and court decisions from the previous year.

The 2025 California Environmental Quality Act (CEQA) Statute and Guidelines is available on the AEP's website. The 2026 edition will be published in the near future.

Additional CEQA resources can be found on the California Governor's Office of Land Use and Climate Innovation website.

ANSI Standards

The American National Standards Institute (ANSI) Incorporated by Reference (IBR) Portal provides a one-stop mechanism for access to standards that have been incorporated by reference in the U.S. Code of Federal Regulations (CFR). Users can view but not download or print.

ASCE Standards

The Caltrans Transportation Library currently has a subscription to the database ASCE Library with access to standards. See section 4.4 of this document for their open hours and contact information.

ASHRAE Standards

The CEC Library has online access to standard 62.2 and select guidelines via Techstreet Enterprise.

ASTM Standards

Register to use ASTM's online reading room to view ASTM safety standards incorporated in the U.S. CFR.

The CSL has access to ASTM standards through ASTM Compass (available in library reading room only). See section 4.1 of this document for open hours or email to request PDF copies.

IEEE Standards

Local colleges and universities, such as CSU Sacramento and UC Davis, often provide access to IEEE standards through the IEEE Xplore database. Public university libraries typically allow guest researchers to use their digital resources from on-site computers.

NFPA Codes and Standards

NFPA codes and standards are available to view online at nfpa.org. Users will be asked to create a login to access.

SAE Standards

The Caltrans Transportation Library currently has a subscription to the database SAE Mobilus with access to standards. See section 4.4 of this document for their open hours and contact information.

UL Standards

The CEC Library has access to UL standards via Techstreet Enterprise.

1.8 Data and Statistics

This section provides a selection of online resources to help staff locate datasets and statistics.

U.S. Census Bureau Data

Statistics on United States population, housing, economy, etc. Datasets available for download.

California Environmental Data Exchange Network (CEDEN)

CEDEN is a central location to find and share information about California's water bodies, including streams, lakes, rivers, and the coastal ocean. Many groups in California monitor water quality, aquatic habitat, and wildlife health to ensure good stewardship of our ecological resources. CEDEN aggregates this data and makes it accessible to environmental managers and the public.

California Natural Resources Agency Open Data Portal

The CNRA Open Data Platform provides data to State of California citizens, agencies, and interested stakeholders in a transparent and useful manner. The Open Data Platform supports CNRA organizations and program missions by providing an environment to publish and share useful data that can be effectively utilized by all.

California Open Data Portal

The Government Operations Agency sponsors data.ca.gov, a statewide open data portal created to improve collaboration, expand transparency, and lead to innovation and increased effectiveness.

Data.gov

The site is a U.S. government repository for federal, state, local, and tribal government data, made available to the public.

Statista

Statista provides statistical data on many topics including media, business, politics, society, technology, and education. Sources include market reports, trade publications, scientific journals, and government databases. Charts can be downloaded in PNG, PowerPoint, Excel, or PDF formats or embedded in web pages and can be great in papers or presentations.

Staff will need a CSL borrower card to access this resource.

Statistical Abstract of the United States

An authoritative and comprehensive summary of statistics on the social, political, and economic conditions of the United States from 1878 to 2012.

1.9 Maps

California Geological Survey Maps and Data

The California Geological Survey (CGS) is responsible for disseminating maps and data about the state's geology, seismicity, forests and watersheds, mineral resources, and their related hazards that affect the health, safety, and business interests of Californians. These maps and data cover topics of geology, landslides, soil liquefaction, surface fault rupture, tsunami inundation, mineral resources, and mineral hazards such as radon, heavy metals, and asbestos.

The CGS Library maintains print and digital copies of maps made by the State Survey, the USGS, and other State Agencies, as well as many historic maps and mine maps, currently in the process of digitization.

Digital Sanborn Maps, 1867-1970

Digital Sanborn® Maps (1867-1970) delivers detailed property and land-use records that depict the grid of everyday life in more than 12,000 U.S. towns and cities across a century of change. The maps provide a wealth of information, such as building outline, size and shape, windows and doors, street and sidewalk widths, boundaries, and property numbers. Plans often include details on construction materials and building use; and depict pipelines, railroads, wells, water mains, dumps, and other features likely to affect the property's vulnerability to earthquake, fire, and flood.

Staff will need a CSL borrower card to access this resource.

USGS National Geologic Map Database

The National Geologic Map Database (NGMDB) is the primary source for spatially referenced geologic maps and related geoscience information of the United States. It is a Congressionally mandated function under the Geologic Mapping Act, which is cooperatively built and maintained by the USGS and State Geological Surveys.

The NGMDB's map catalog provides access to more than 100,000 maps and reports via MapView, as well as historical USGS topographical maps via TopoView. The NGMDB site also maintains Geolex, a lexicon of more than 15,000 geologic units, and coordinates the geologic map standards and guidelines GeMS and FGDC Geologic Map Symbolization Standard.

SECTION 2: LOCATING ONLINE RESOURCES

This section discusses search techniques, tools, and services for locating online resources.

2.1 Online Search Tips

Getting Started

If you do not have a specific article or author in mind, you can begin your research with a keyword search based on your topic of interest. Your initial results will provide you with a cursory overview of relevant journals and articles. By refining your search criteria and results, you can tailor the results to fit your research needs.

Search Techniques

Databases, library catalogs, and search engines may support different search techniques to refine results. Common search techniques include:

- **Boolean Operators**: The words AND, OR, NOT, AND NOT may be used to combine or exclude keywords in a search to retrieve more relevant results.
    - AND – Requires both terms to appear in retrieved item; narrows the search.
    - OR – Either term (or both) in retrieved item; broadens the search.
    - NOT / AND NOT – Retrieves items with the first term but excludes those containing the following term(s).
    - ( ) – Groups terms together using parentheses, e.g., *(carbon OR co2 OR ecological) AND footprint.*
- **Truncation**: Use an asterisk (*) to broaden searches to include word variations.
    - Example: indust* retrieves industry, industries, industrial, etc.
- **Wildcards**: Replace a character with a wildcard to include alternate spellings.
    - Example: col?r retrieves color and colour.
- **Phrase searching**: Use quotation marks around phrases of two or more words for precise results.
    - Example: "solar energy" retrieves exact matches, while solar energy without quotes retrieves broader results.

When using a new database or resource, check the **Help, Preferences,** or **Search Tips** links for additional guidelines, such as subject headings, filters, and limiters.

2.2 Tools for Locating Online Full-Text Resources

The following section details a few online research tools that are configured to assist staff in CNRA departments with locating full-text versions of online journal articles and e-books.

CEC Library's Discovery Catalog

The CEC Library's Discovery Catalog is a comprehensive search tool for the library's collection of online resources. It enables staff to search across the library's journal and database subscriptions for full-text access. Resources available through the California State Library (CSL) are also indexed in this platform. For tips and detailed instructions on using the discovery service, see Appendix A.

Google Scholar Full-Text Links and Button

Settings can be adjusted to attach links to a Google Scholar search result. These links direct users to the full-text version of a journal article.

The Google Scholar Button is a browser plug-in that provides quick access to Google Scholar from any web page. Install it after configuring your Google Scholar settings to search your library subscriptions.

Click the Scholar button to:

- Locate full-text access through library subscriptions or open-access options while browsing the web. Select the title of the paper on the page you're viewing and click the button to find it.
- Transfer your query to Google Scholar. Press the Scholar button to see the top three results; click "full screen" in the lower left of the popup to see them all.
- Format references in common citation styles. Press the quote icon in the popup to generate a formatted reference and copy it into your paper.

The Google Scholar button can be installed in Chrome, Firefox, Microsoft Edge, Safari, or Opera.

See Appendix B for instructions on adding full-text links to Google Scholar and installing the Google Scholar Button.

EndNote Click

EndNote Click is a free browser extension that provides one-click access to full text articles. The extension searches through CEC Library's subscriptions and an open access database to find a full-text PDF of the article you are looking for. Once you have the PDF, you can download it to your desktop or export it to a reference management tool of your choice.

See Appendix C on how to add the EndNote Click plugin to your browser (Chrome, Firefox, or Opera).

Mendeley

Mendeley is a free citation reference manager that can help you store, organize, note, share, and cite references and research data. Mendeley can help you:

- Automatically generate bibliographies
- Collaborate easily with other researchers online
- Easily import papers from other research software
- Find relevant papers based on what you're reading
- Access your papers from anywhere online

See Mendeley Help for instructions and tips.

2.3 Alerts

Databases and journal publishers often allow users to set up email alerts to notify them of new articles matching designated criteria or new issues of a specific journal. These alert services and technologies can help you keep track of current literature in your field of study.

The following databases will allow users to create alerts:

EBSCOhost Alerts

EBSCOhost alerts require users to register for a personal login. See EBSCOhost's Search Alerts Tutorial for additional information on how to set up alerts.

Google Scholar Alerts

Google Scholar alerts require a Google account. See Google Scholar's Email Alerts for additional information on how to set up alerts.

PubMed Alerts

PubMed alerts require free registration through My NCBI. See NCBI's Saving and Managing Searches for additional information on how to set up alerts.

Scopus Alerts

Scopus allows users to stay current by setting up email notifications for key research developments. You can manage these alerts anytime through My Alerts in your Scopus account.

Journal Alerts

Publishers often allow users to sign up for notification alerts for when they publish a new issue of a journal. Scan the homepage for options. Generally, it will be a newsletter subscription box or a link such as "Create Alert."

2.4 Interlibrary Loan Services

CNRA staff can access additional resources not found in their department library's collection through Interlibrary Loan (ILL) services.

California Energy Commission Library (CEC Only)

Contact CEC Library staff at library@energy.ca.gov to submit an ILL request.

California Geological Survey Library (CGS Only)

Contact CGS Library staff at cgslibrary@conservation.ca.gov to submit an ILL request.

California State Library (All State Employees)

All state employees can utilize the CSL's ILL services. Submit an ILL request through the library's Ask a Librarian online form or while signed into their library catalog (new for 2025). For more information, see the library's Borrowing & Requesting Materials webpage.

SECTION 3: PRINT RESOURCES

California State Library

Established in 1850, the CSL is the oldest continuously operated public library in the American West. It serves as the central reference and research library for the state government and Legislature. The library collection includes more than 4 million titles, 6,000 maps, and 250,000 photographs, along with an extensive archive of documents centered on the state's rich history. CSL is also one of the major genealogical reference libraries on the West Coast.

Beyond California-focused resources, the library holds significant collections from Mexico, the United Kingdom, and Europe, including manuscripts dating back to the 13th and 14th centuries. As both a State and Federal Depository Library, CSL provides free and open access to government information and serves as a U.S. Patent and Trademark Resource Center.

The CSL is also home to the Bernard E. Witkin State Law Library, which offers an extensive collection of primary and secondary sources with a focus on California law. Primary sources from California's inception aid the Legislature and state agencies in tracing legislative or regulatory histories, and practice guides and court briefs aid lawyers and those proceeding pro se. The collection also includes materials on federal law, other states' legislation, and historical, and international law.

CNRA employees can borrow most print materials directly from the CSL. For more details, visit the CSL's Services for State Employees webpage.

California Energy Commission Library

The CEC Library has an extensive print collection of energy-related books and periodicals from the 1970s until present day.

CEC staff can borrow from the library's print collection. CNRA staff can view these resources in the library by appointment.

California Geological Survey Library

The CGS Library has been in existence since 1880 and has developed into an extensive collection of scientific and technical materials on geology, geomorphology, engineering, earthquakes, landslides, mineralogy, mining, seismology, and other related topics. The library contains over 100,000 items, which include books, maps, theses, periodicals, guidebooks, reports, photographs, and slides, some of which are rare and historical. It houses publications by the California

Geological Survey, as well as many by the United States Geological Survey. The CGS Library is open to DOC staff, state employees, and the public for reference and research.

Circulating items may be checked out on-site by CGS staff only, while all others can obtain materials through interlibrary loan channels.

SECTION 4: CALIFORNIA STATE GOVERNMENT LIBRARIES

4.1 California State Library (CSL)

California State Library - Main Library Building
(California History Room and Braille and Talking Books Library)
900 N Street
Sacramento, CA 95814-4869
(916) 323-9843
cslinfo@library.ca.gov
Hours: Monday through Friday, 9:30 a.m. to 4:00 p.m.
Open to the public and staff.
CSL's website
CSL Library's catalog

Stanley Mosk Library & Courts Building

(Information Services Section, Witkin State Law Library, and Government Publications Section)
914 Capitol Mall
Sacramento, CA 95814
(916) 323-9843
cslinfo@library.ca.gov
Hours: Monday through Friday, 9:30 a.m. to 4:00 p.m.

J. Paul Leonard Library - Sutro Library

1630 Holloway Avenue
San Francisco, CA 94132
(415) 469-6100
sutro@library.ca.gov
Hours: Monday through Friday, 10:00 a.m. to 4:00 p.m.

The CSL is the central reference and research library for state government and the Legislature. The CSL's online resources and searchable databases include full-text articles of newspapers, magazines, and journals; e-books from industry-leading technical publishers; ordinances from California cities, counties, and the state; and U.S. and state demographic and government statistical information and data tools. As state employees, CNRA staff can access CSL catalogs, online resources, and services remotely or by visiting local branches in Sacramento or San Francisco.

To access CSL catalogs, online resources, and services, you will need a state library card. Please visit the CSL's online library card application webpage to apply.

4.2 California State Archives

1020 O Street
Sacramento, CA 95814
(916) 653-2246
Reference@sos.ca.gov
Hours: Monday through Friday, 9:30 a.m. to 4:00 p.m.
California State Archive's website
California State Archive's catalog

The California State Archives collects, catalogs, preserves, and provides access to the historic records of state government and some local governments. The Archives collection is primarily composed of records from California state agencies, the governor's office, the state legislature, and the State Supreme Court and Courts of Appeal.

4.3 CNRA Department Libraries

California Department of Water Resources Law Library

Office of the Chief Counsel
715 P Street, 11th Floor
Sacramento, CA 95814
(916) 651-0822
DWR Law Library's catalog

Hours: 24/7 365 days a year. This is a closed stack collection that is not open to the public. CNRA department attorneys have access when they want/need it.

Print collection consists of roughly 16,000 volumes and documents including all primary sources of California and federal law (legislative, administrative, judicial), as well as secondary resources in many of the practice areas of DWR's Office of the Chief Council including water law, environmental law, energy law, construction law, contract law, land use law, property law, and public employee law.

California Energy Commission Library

715 P Street, 3rd Floor
Sacramento, CA 95814
(916) 654-4292
library@energy.ca.gov

Hours: Monday through Friday, 8:00 a.m. to 4:00 p.m.
Open by appointment only.
CEC Library's website
CEC Library's catalog

The California Energy Commission Library provides information services, books, documents, and other resources on energy-related topics to the public and state employees.

California Geological Survey Library

1600 9th Street, Room 201
Sacramento, CA 95814
(916) 327-1850
cgslibrary@conservation.ca.gov
Hours: Monday through Friday, 8:00 a.m. to 4:00 p.m.
Open by appointment only.
CGS Library's website
CGS Library's catalog

The California Geological Survey Library provides information and support for CGS, state employees, and the public through its collections and services.

California State Parks Archives

State Museum Collections Center
4940 Lang Ave., Suite 100
McClellan, CA 95652
(916) 263-0779
department.archives@parks.ca.gov
Hours: Open by appointment
CSP Archives website
CSP Archives Online Archive of California website

The California State Parks Archives is a clearinghouse for studies, surveys, bibliographies, reports, plans, and other records created by Parks staff which have enduring value. Materials collected pertain to the growth and development of the State Park System as a whole, as well as to individual park units. Finding aids developed to assist researchers in locating materials include internal and external electronic databases and documents, registers and guides hosted by the Online Archive of California, the Photographic Archives, and selected artifact records cataloged in the Statewide Museum Records System.

The California African American Museum Library

600 State Drive
Exposition Park
Los Angeles, CA 90037
(213) 744-2544
researchlibrary@caamuseum.org
Hours: Tuesday through Sunday, 9:00 a.m. to 5:30 p.m.
CAAM Library's website

CAAM's Research Library holds over 6,000 books in subjects such as history, music, art, and culture. It has 100 popular and scholarly periodicals dating back to the 1960s, including issues of selected African American newspapers such as the Chicago Defender, the Pittsburgh Courier, and the Los Angeles Sentinel. The Research Library has access to daily editions of the Los Angeles Times, the New York Times and the Wall Street Journal. It also has 500 videos, DVDs, and sound recordings, including many documentaries on the lives of artists and musicians.

The California Railroad Museum Library

111 I Street
Sacramento, CA 95814
(916) 323-8073
library.csrm@parks.ca.gov
Hours: Tuesday through Saturday, 1:00 p.m. to 5:00 p.m.
CRM Library's website
CRM Library's catalog

The library and archives support the California State Railroad Museum's mission of preserving and providing access to the history of railroads and railroading in California, the West and the Nation.

4.4 Other State Department Libraries of Interest

CalEPA Library

1001 I Street, 2nd Floor
Sacramento, CA 95814
(916) 327-0635
CalEPALibrary@arb.ca.gov
Hours: Monday through Friday, 8:30 a.m. to 4:30 p.m.
Open to the public and staff. Contact before visiting to ensure staff are available.
CalEPA Library's website
CalEPA Library's catalog

The CalEPA Library serves staff and the public by providing print and electronic resources including books, journals and other periodicals, research reports, and reference materials. Topics covered include air pollution, atmospheric science, climate change, economics, epidemiology, green chemistry, hazardous substances, pesticide use, public health, recycling, renewable energy, toxicology, waste management, water use, groundwater, and other environmental science topics within CalEPA's scope.

Caltrans Transportation Library

1120 N Street, Room 1430
Sacramento, CA 95814
(916) 654-4601
library@dot.ca.gov
Hours: Monday through Friday, 9:00 a.m. to 4:00 p.m.
Open to the public by appointment only.
Caltrans Library's website
Caltrans Library's catalog

The Transportation Library at Caltrans holds materials on all modes of transportation and includes selections on highways and structures design, construction, operations and maintenance, earthquake engineering, transportation economics, taxation, finance and administration, traffic engineering, and environmental planning.

The Caltrans Library currently has a subscription to the database ASCE Library, providing access to American Society Civil Engineering (ASCE) journals, standards, and publications.

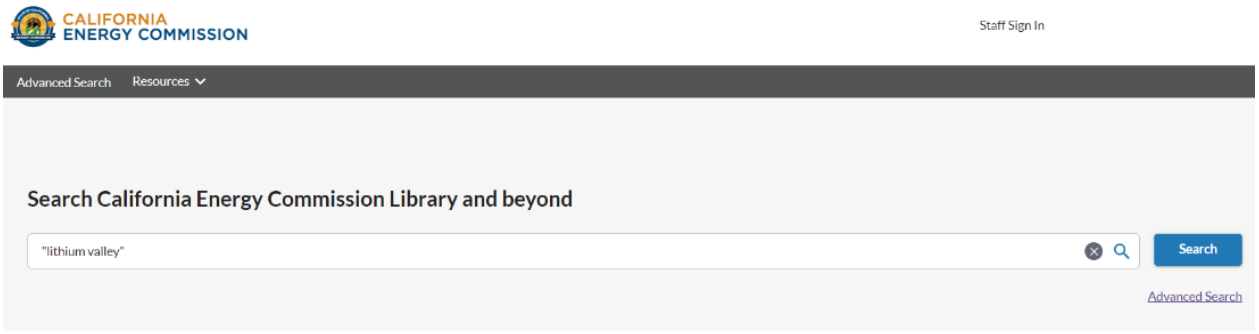
California Department of Housing and Community Development Library

2020 W. El Camino Avenue, Suite 501
Sacramento, CA 95833
(916) 263-7448
library@hcd.ca.gov
Open by appointment only.
HCD Library's catalog
Library name to access catalog: HCD Library

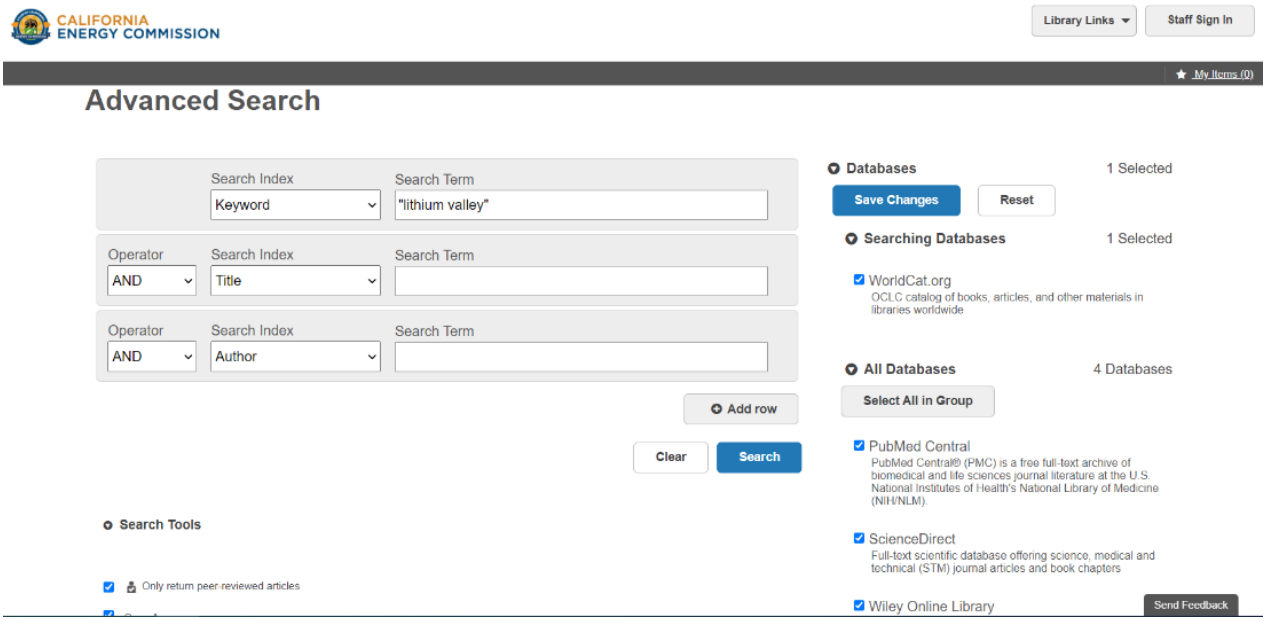
The HCD Library maintains a collection of books, reports, journals, newsletters, and other information resources relevant to housing and community development issues, such as sustainability, climate change, resilient communities, transit-oriented development, homelessness, and affordable housing.

APPENDIX A: CEC LIBRARY DISCOVERY SEARCH TIPS

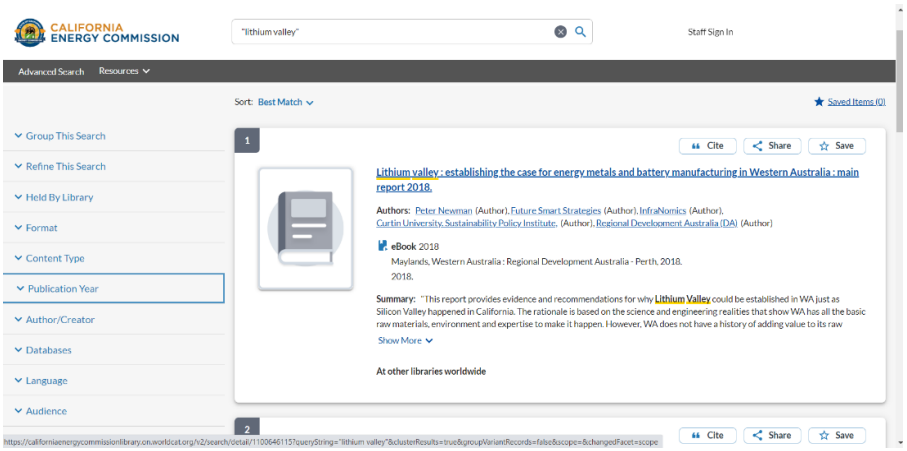
Basic Search - Type keywords (subject terms, article titles, publications, authors, etc.) into the basic search bar.



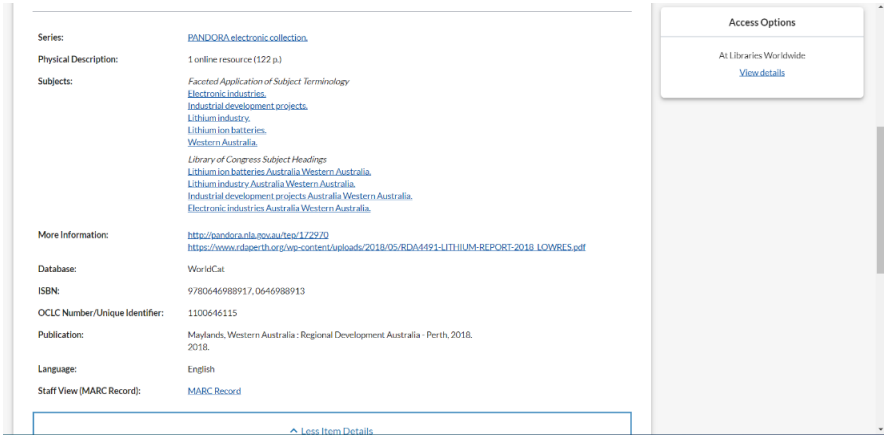
Advanced Search - Navigate to the advanced search page by clicking on the link below the search bar on the home page. Type keywords into the Advanced Search bar to access greater search capabilities such as Boolean operators, databases from Libraries Worldwide, and other filtering options found under "Search Tools."



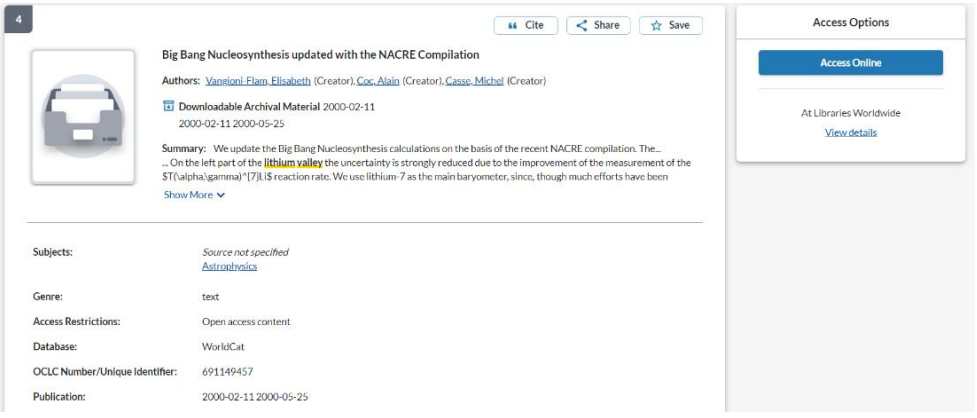
Filter Your Results – Use the filtering options in the left-hand pane to expand or narrow your results with options like "refine this search," "held by library," "format," "content type," "publication year," "author/creator," "databases," "language," and "audience."



View the Catalog Record – Click on the title to find important metadata and related subject headings.



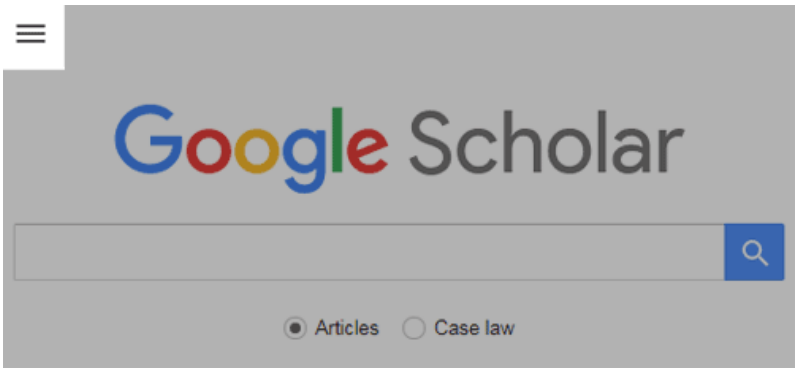
Access the Resource – Find the full-text version of the document by clicking on "Access Online" or "View full text" under the Access Options menu.



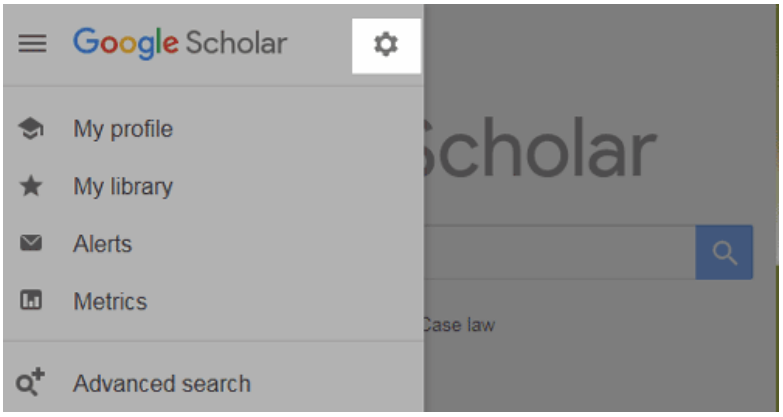
APPENDIX B: ADDING FULL-TEXT LINKS TO GOOGLE SCHOLAR

Update your Google Scholar settings to link to the CEC Library's collection. CNRA employees can use this setting to locate full-text resources accessed through subscriptions managed by the CEC Library or the CSL.

1. Go to Google Scholar. Click the three horizontal bars in the corner to view the menu.

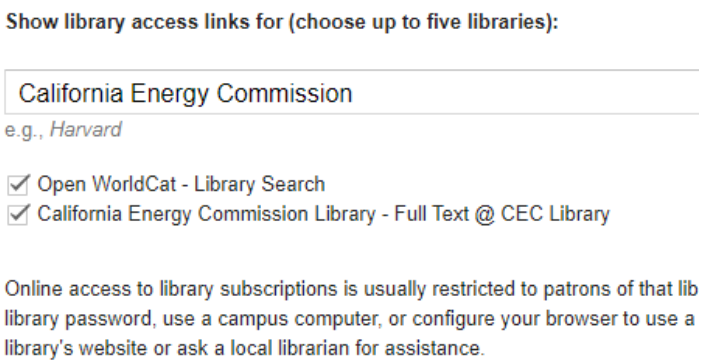


2. Click the cog icon to see **Settings.**



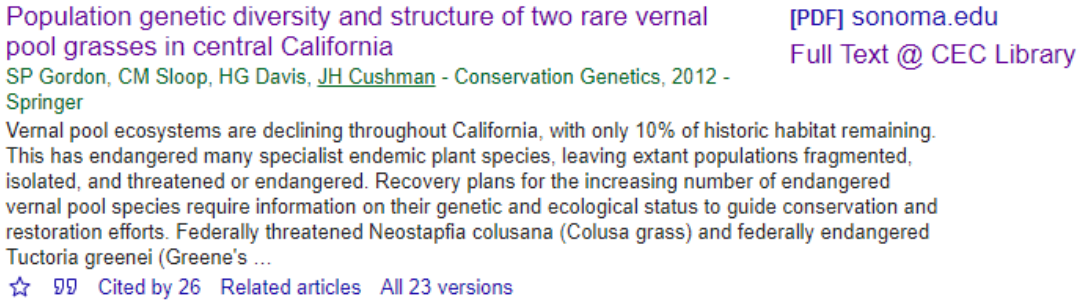
3. Click Library Links and search for **California Energy Commission.**

4. Check the box next to "**California Energy Commission Library**" link.



4. Click **Save.**

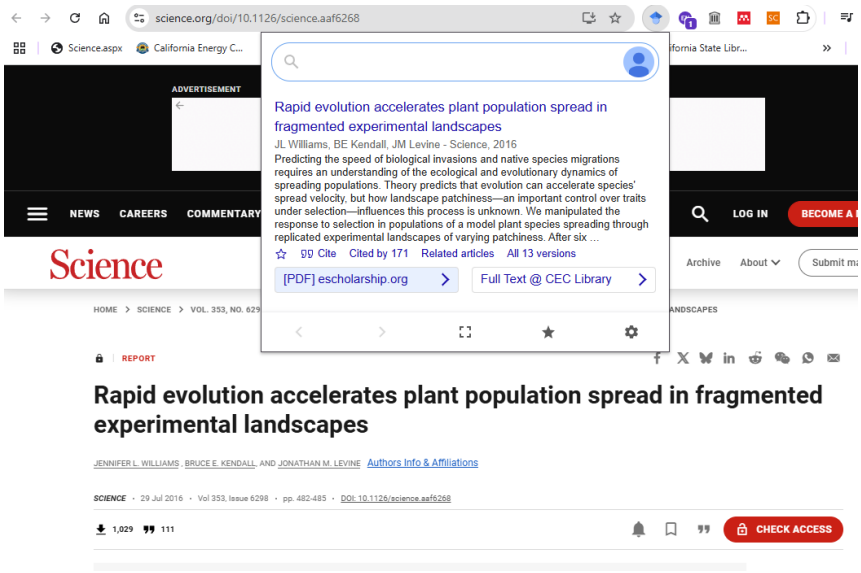
A "Full Text @ CEC Library" link will now appear next to articles in your Google Scholar search results. Click on it to access a PDF of the article.



Google Scholar Button

To install the Google Scholar Button in follow the steps below:

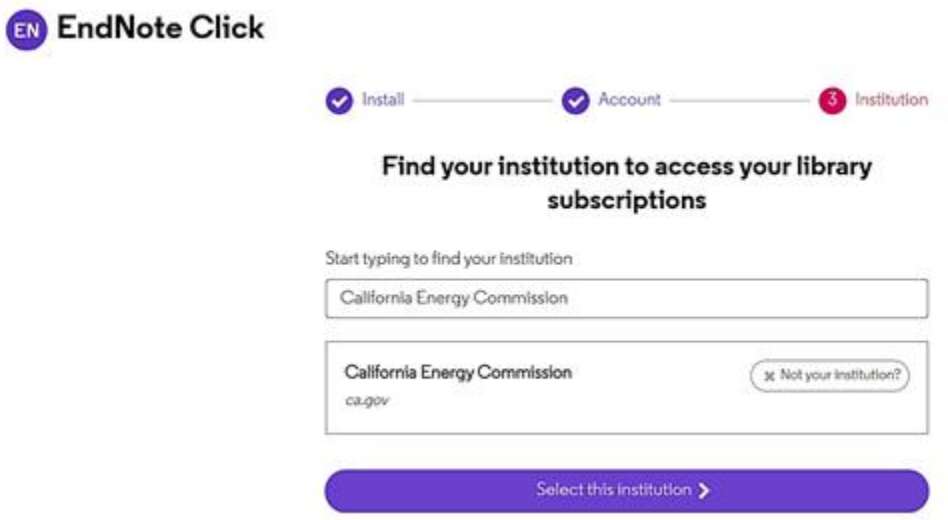
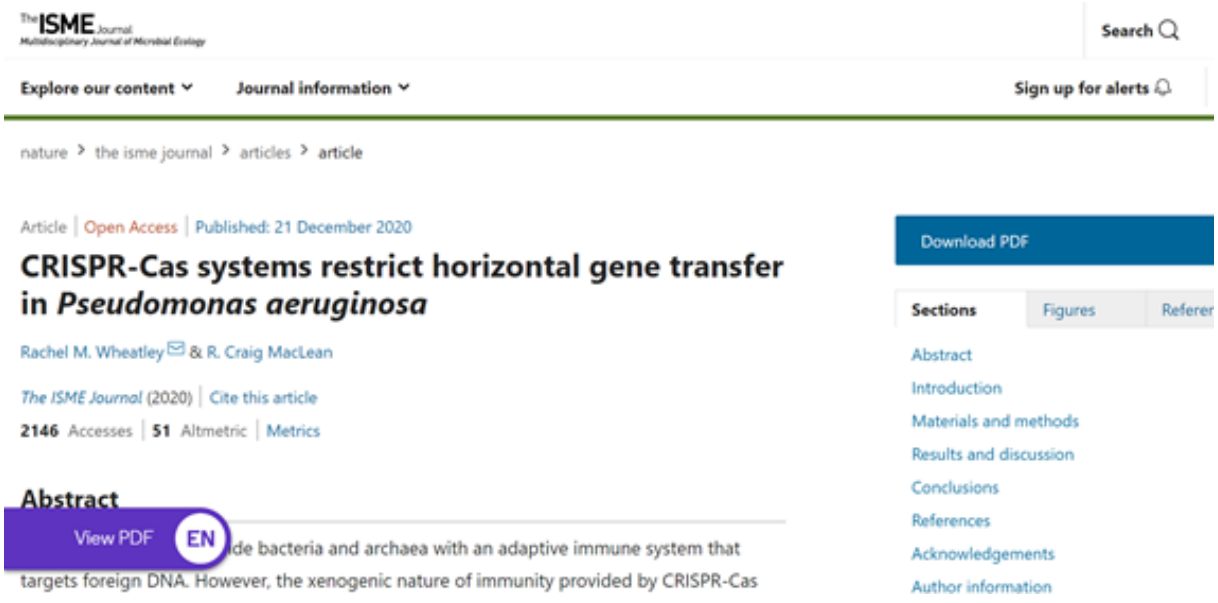
1. Go to Google Scholar.
2. Click the three horizontal bars in the corner to view the menu.
3. Click on **Settings** (cog symbol).
4. Click on **Browser Extensions** found on the left side of the screen. Select **Google Scholar Button**.
5. Depending on your browser, you will be taken to the site for installing browser plugins. Follow the steps to complete the installation of the plugin.



Example of Google Scholar Button for article with paywall. https://doi.org/10.1126/science.aaf6268

APPENDIX C: ENDNOTE CLICK

1. Install EndNote Click (https://click.endnote.com), using Chrome, Firefox, or Opera as your browser.
2. Create an account and select California Energy Commission as your institution.



3. After you complete your registration, you will see a purple icon on the left side of the page when you visit a publisher's website. If a PDF is available, the "View PDF" button will appear and clicking on it will open the article in a new tab. The plugin will also automatically save the PDF to your account's Locker (cloud storage).