

# PubMed Terms NER and Shell Programming

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# Highlight I

## LitCovid <sup>a</sup>

LitCovid is a curated literature hub for tracking up-to-date scientific information about the 2019 novel Coronavirus. It is the most comprehensive resource on the subject, providing a central access to **237750 (and growing)** relevant articles in PubMed. The articles are updated daily and are further categorized by different research topics (e.g. transmission) and geographic locations. <sup>b</sup>

<sup>a</sup><https://www.ncbi.nlm.nih.gov/research/coronavirus/>.



[Jingbo] 请点击获取更多详情。

<sup>b</sup>Chen, Q., Allot, A., & Lu, Z. (2020). Keep up with the latest coronavirus research. *Nature*, 579(7798), 193-194.

# Highlight II

## LitCovid Data Download

### Bibliography

Download LitCovid citations for  
reference management or to process  
with automated software

RIS

TSV

### Text and Data Mining

Download the text available from  
LitCovid articles, with automatic  
annotations by PubTator

ANNOTATIONS

 [Jingbo] 选题 Covid-19 的同学请关注此数据资源。

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# Outline

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# PubMed

## PubMed Basic



PubMed® comprises more than 33 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 web sites.

The screenshot shows the PubMed Basic search results for 'tp53'. The search bar at the top contains 'tp53' and a 'Search' button. Below the search bar, there are options for 'Article types', 'Text availability', 'PubMed Commons', 'Publication dates', and 'Species'. The search results section shows 'Items: 1 to 20 of 11416' and a list of results. A 'Choose Destination' dialog box is open over the results, showing options for 'File', 'Clipboard', 'Collections', 'E-mail', 'Order', 'My Bibliography', and 'Citation manager'. The 'Format' is set to 'Summary (text)' and 'Sort by' is 'Most Recent'. A 'Create File' button is visible. The bottom of the screen shows a video player with three video thumbnails: 'PubMed Basic....mp4', 'Use MeSH to ....mp4', and 'Need the Full ....mp4'.

图 1: Previous version



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# PubMed I

## Customized texts retrieval

Jonathan Kans, PhD. Entrez Direct: E-utilities on the Unix Command Line.

<https://www.ncbi.nlm.nih.gov/books/NBK179288/>

```
# 下载 ftp://ftp.ncbi.nlm.nih.gov/entrez/entrezdirect/install-edirect.sh  
$ curl "ftp://ftp.ncbi.nlm.nih.gov/entrez/entrezdirect/install-edirect.sh" >install-  
edirect.sh
```

```
# 安装  
$source ./install-edirect.sh
```

```
$esearch -db pubmed -query "lycopene cyclase"  
$esearch -db pubmed -query "lycopene cyclase" | efetch -format abstract
```

 [Jingbo] 这个方法是否仍然有效？