文献検索／論文執筆支援サービスの活用法

ライフサイエンス統合データベースセンター
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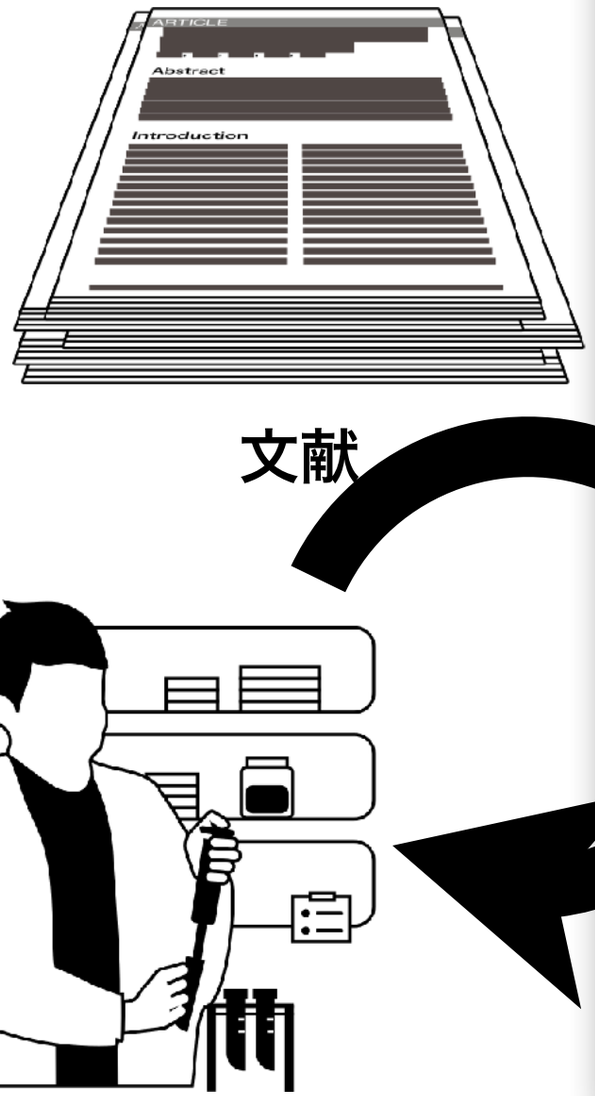
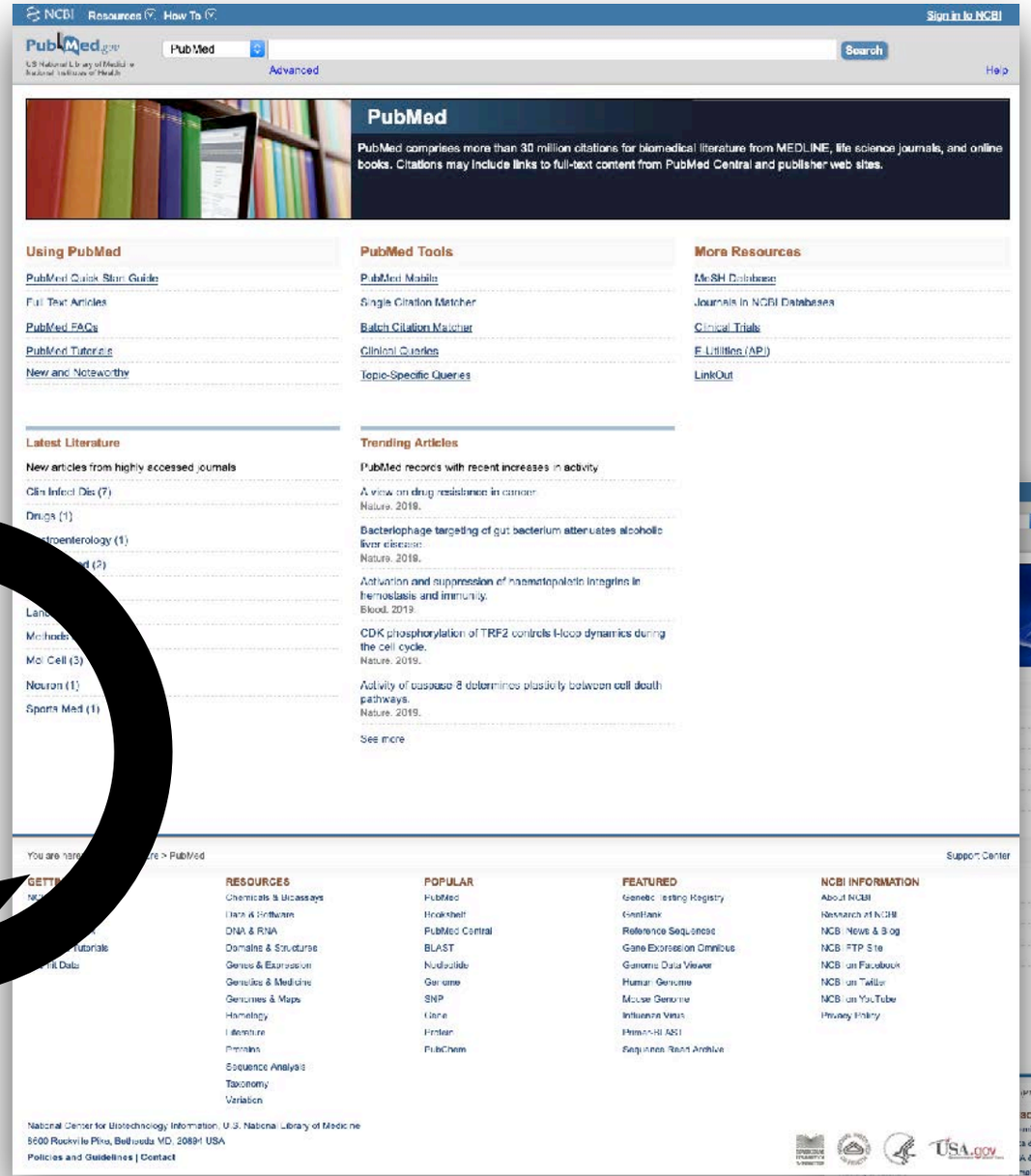
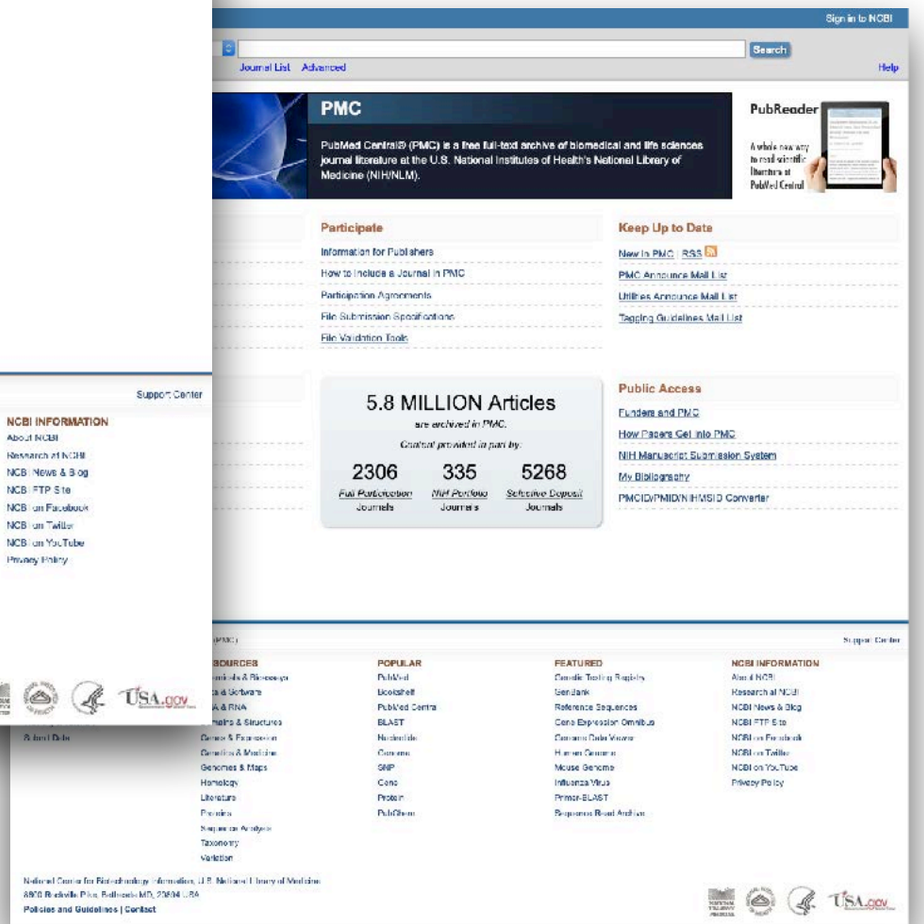
@yayamamo

文献情報







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https://dbcls.rois.ac.jp/services.html

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Table of Contents: 2016 MAY–JUNE No. 410 Previous Next

PubMed Celebrates its 20th Anniversary!

Canese K. PubMed Celebrates its 20th Anniversary! NLM Tech Bull. 2016 May-Jun;(410):e12.

2016 June 21 [posted]

PubMed was first released two decades ago in January 1996 as an experimental database under the National Center for Biotechnology Information (NCBI) retrieval system. The word "experimental" was dropped from the Web site in April 1997, and on June 26, 1997, a Capitol Hill Press conference officially announced free MEDLINE access via PubMed.

See an outline of the early years in the article, *PubMed Celebrates its 10th Anniversary!*

PubMed continued to evolve and, in 2007, the NCBI retrieval engine was completely redesigned to provide a foundation for the discovery initiative. In 2008

on June 26, 1997, a Capitol Hill Press conference officially announced free MEDLINE access via PubMed.

abstracts. A new "relevance sort" option was released and a way to download your entire history was added to the advanced search page. PubMed began indexing multiple author affiliations. PubMed Commons was released as a way for authors to share opinions and information about scientific publications in PubMed. Additionally, PubMed increased the addition of new citations from five to seven days a week.

During 2015 to the present, the trending articles and "frequently viewed together" discovery tools were released. Fuzzy matching to rescue zero results was improved. Additional knowledge panels and sensors were released, for example, the query, "human genome blast" now presents a tool for the user to run a BLAST search from within PubMed. PubMed hit the milestone of 26 million citations; over 1 million citations are added every year.

The near future will include a new PubMed data management system that will streamline data submission for publishers and provide an interface for immediate correction of citation errors.

Cheers to PubMed - hereâ€™s to another 20 years of excellence, evolution, and discovery.

By Kathi Canese
National Center for Biotechnology Information

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https://www.nlm.nih.gov/pubs/techbull/mj16/mj16_pm_20.html

PubMed書誌情報件数推移

http://www.ncbi.nlm.nih.gov/Web/Newsltr/aug97.html

1996
11,937,110
456,362

合計件数
（左軸）

追加件数
（右軸）

百万

合計件数

0
5
10
15
20
25
30
35

千

年当たり発表件数

0
200
400
600
800
1,000
1,200
1,400
1,600

1945 1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020

現状

- 3000万件を超える文献情報
  （20/9/9時点で31,474,326
  19/11/25時点で30,348,625）

- 2019年発表分だけで1,392,400件（3815件/日）

- 5200件を超える学術

	FY2019	FY2018	FY2017	FY2016	FY2015	FY2014	FY2013
PubMed Searches	3.3 Billion	3.3 Billion	3.3 Billion	3.1 Billion	2.8 Billion	2.7 Billion	2.5 Billion
Web/Interactive	896 Million	831 Million	846 Million	853 Million	910 Million	900 Million	932 Million
Script/E-Utilities	2.2 Billion	2.5 Billion	2.5 Billion	2.2 Billion	1.9 Billion	1.8 Billion	1.6 Billion

https://www.nlm.nih.gov/bsd/medline_pubmed_production_stats.html

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1,000 results

1 **Effects of COVID-19 on the Nervous System.**

Iadecola C, et al. Cell. 2020.

PMID: 32882182 Free PMC article. Review.

Cite Share

2 **LifeTime and improving European healthcare through cell-based interceptive medicine.**

Rajewsky N, et al. Nature. 2020.

PMID: 32894860 Review.

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3 **India loses contact with its Moon lander minutes before touchdown.**

Padma TV. Nature. 2019. PMID: 32892215

No abstract available.

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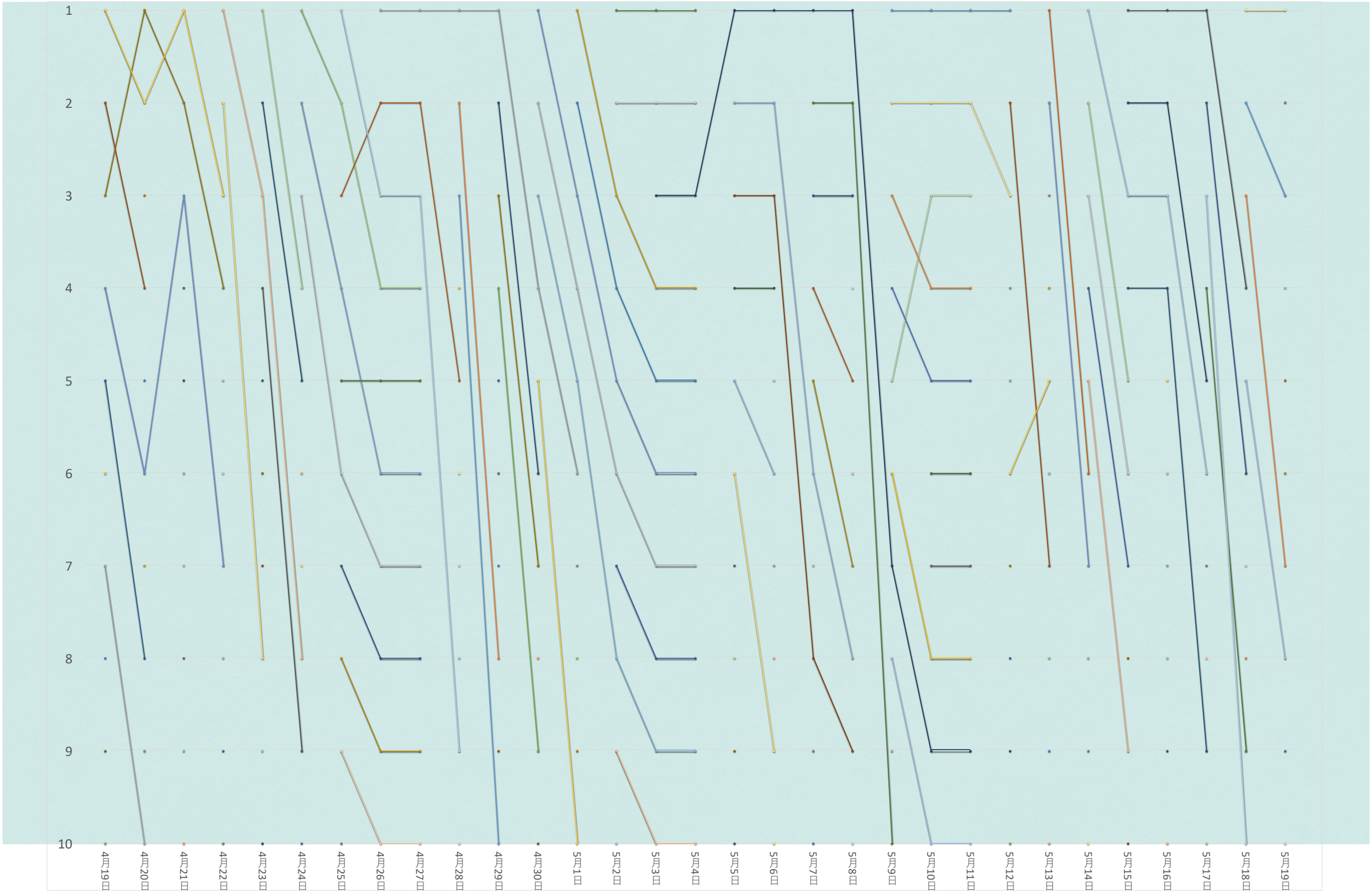
Trending articlesのトレンド



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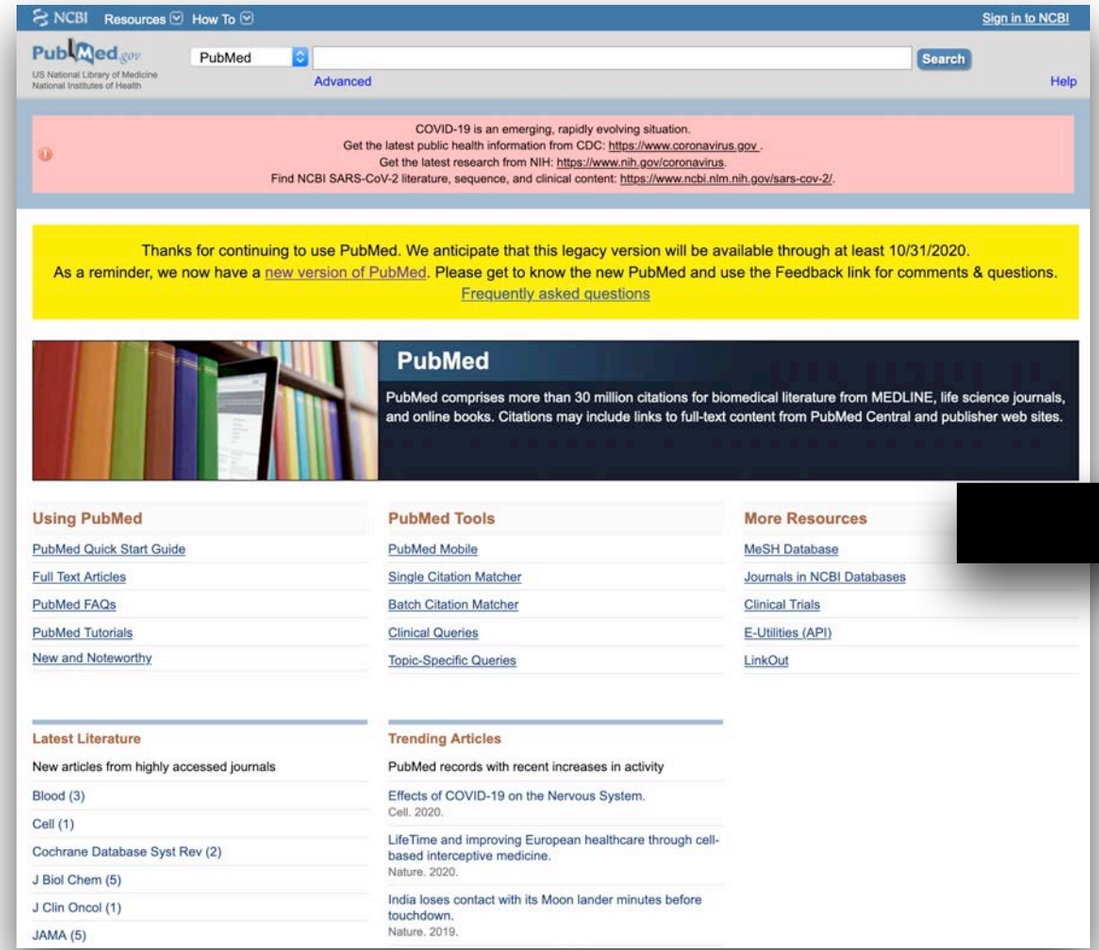
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Get the latest research from NIH: https://www.nih.gov/coronavirus.
Find NCBI SARS-CoV-2 literature, sequence, and clinical content: https://www.ncbi.nlm.nih.gov/sars-cov-2/.
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LinkOut
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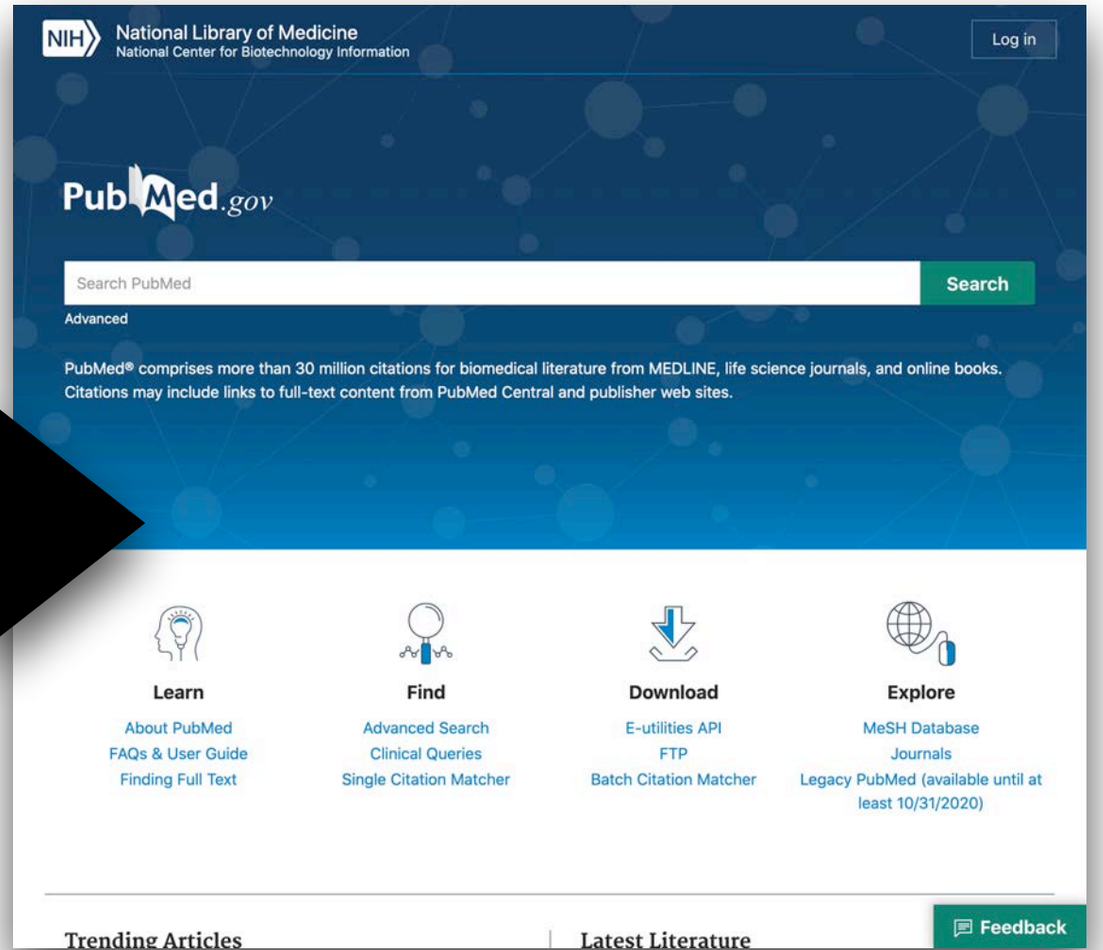
Cell (1)
Cochrane Database Syst Rev (2)
J Biol Chem (5)
J Clin Oncol (1)
JAMA (5)
Trending Articles
PubMed records with recent increases in activity
Effects of COVID-19 on the Nervous System.
Cell. 2020.
LifeTime and improving European healthcare through cell-based interceptive medicine.
Nature. 2020.
India loses contact with its Moon lander minutes before touchdown.
Nature. 2019.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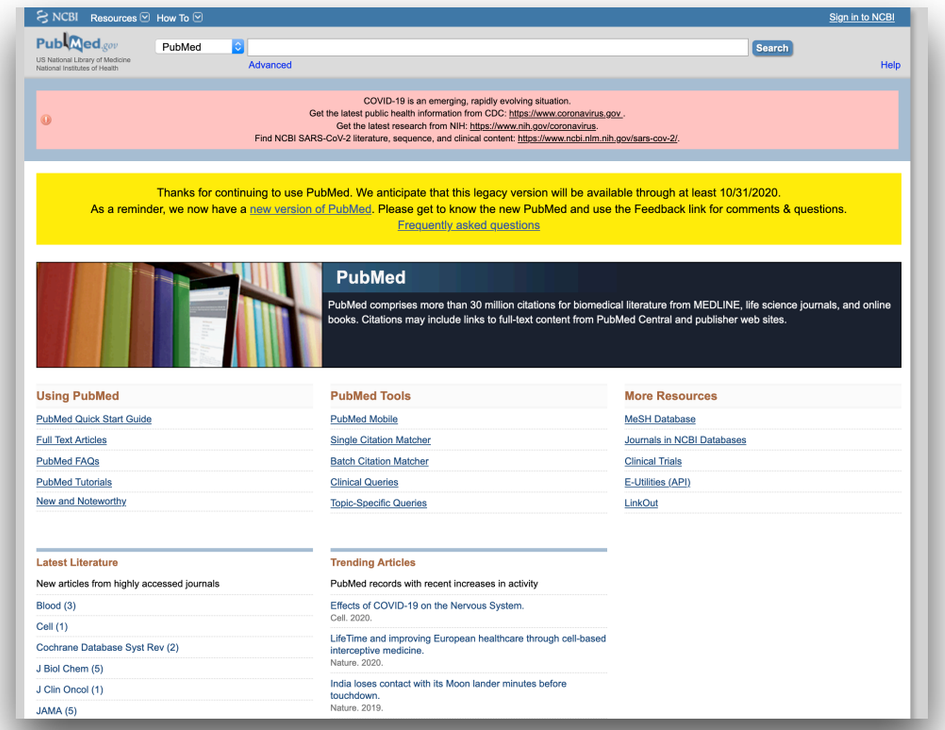
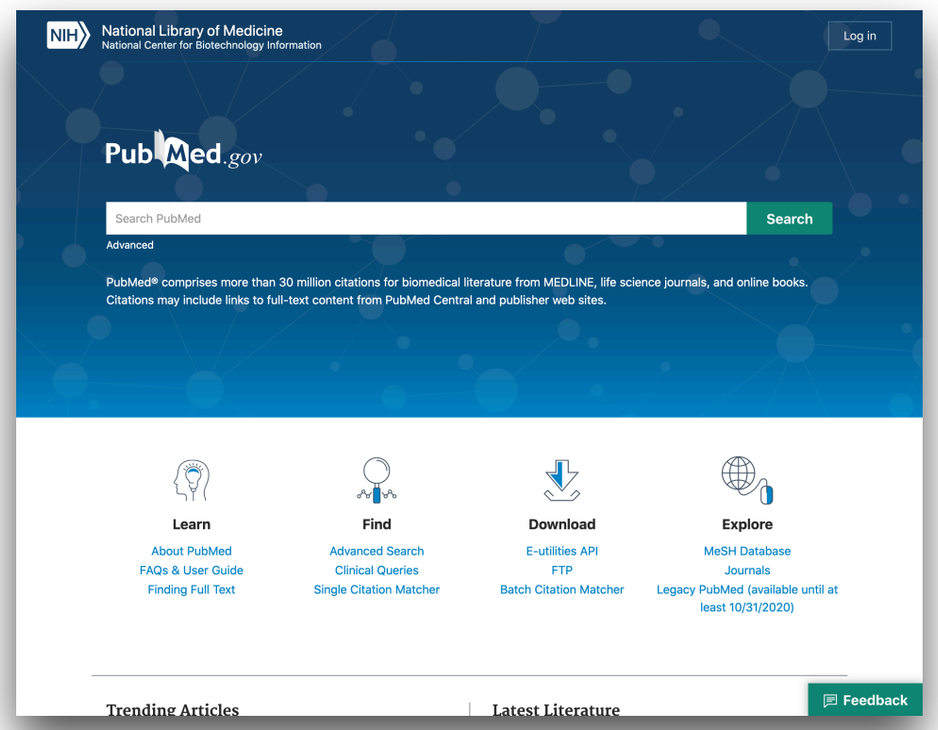
2020年から大きく変化

NCBI資料より（ https://go.usa.gov/xVcdT ）





新PubMedの目標

- Modern cloud architecture
- High-quality search
- Fast
- Reliable
- Modern experience
- Beloved

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SARS-CoV-2

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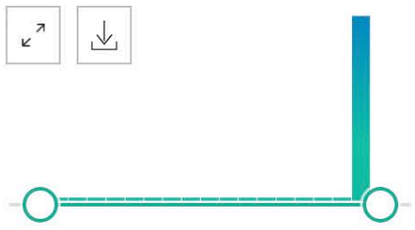
29,637 results

RESULTS BY YEAR



TEXT AVAILABILITY

- [ ] Abstract
- [ ] Free full text
- [ ] Full text

ARTICLE ATTRIBUTE

- [ ] Associated data

ARTICLE TYPE

- [ ] Books and Documents
- [ ] Clinical Trial
- [ ] Meta-Analysis
- [ ] Randomized Controlled Trial
- [ ] Review

1 Cite Share

Updated Approaches against **SARS-CoV-2**.

Li H, Zhou Y, Zhang M, Wang H, Zhao Q, Liu J.

Antimicrob Agents Chemother. 2020 May 21;64(6):e00483-20. doi: 10.1128/AAC.00483-20. Print 2020 May 21.

PMID: 32205349 **Free PMC article.** Review.

Novel **severe acute respiratory syndrome coronavirus 2** (**SARS-CoV-2**) lies behind the ongoing outbreak of **coronavirus** disease 2019 (COVID-19). There is a growing understanding of **SARS-CoV-2** in ...

2 Cite Share

Coronaviruses and **SARS-CoV-2**: A Brief Overview.

Ludwig S, Zarbock A.

Anesth Analg. 2020 Jul;131(1):93-96. doi: 10.1213/ANE.0000000000004845.

PMID: 32243297 **Free PMC article.** Review.

The virus was later denominated **severe acute respiratory syndrome coronavirus 2** (**SARS-CoV-2**) and defined as the causal agent of **coronavirus** disease 2019 (COVID-19). ...Here we provide a short background on coro ...

3 Cite Share

Treatment of **SARS-CoV-2**: How far have we reached?

Ahsan W, Javed S, Bratty MA, Alhazmi HA, Najmi A.

Drug Discov Ther. 2020 May 6;14(2):67-72. doi: 10.5582/ddt.2020.03008. Epub 2020 Apr 25.

PMID: 32336723 **Free article.** Review.

The virus **severe acute respiratory syndrome-coronavirus-2** (**SARS-CoV-2**) is currently affecting more than 200 countries and territories worldwide. ...Currently, no treatment for **SARS-CoV-2** are appro ...

SARS-CoV-2: an Emerging **Coronavirus** that Causes a Global Threat.

Feedback

https://pubmed.ncbi.nlm.nih.gov/?term=SARS-CoV-2

Review > Int J Biol Sci. 2020 Mar 15;16(10):1678-1685. doi: 10.7150/ijbs.45053.
eCollection 2020.

SARS-CoV-2: an Emerging Coronavirus that Causes a Global Threat

Jun Zheng [1] [2]

Affiliations + expand

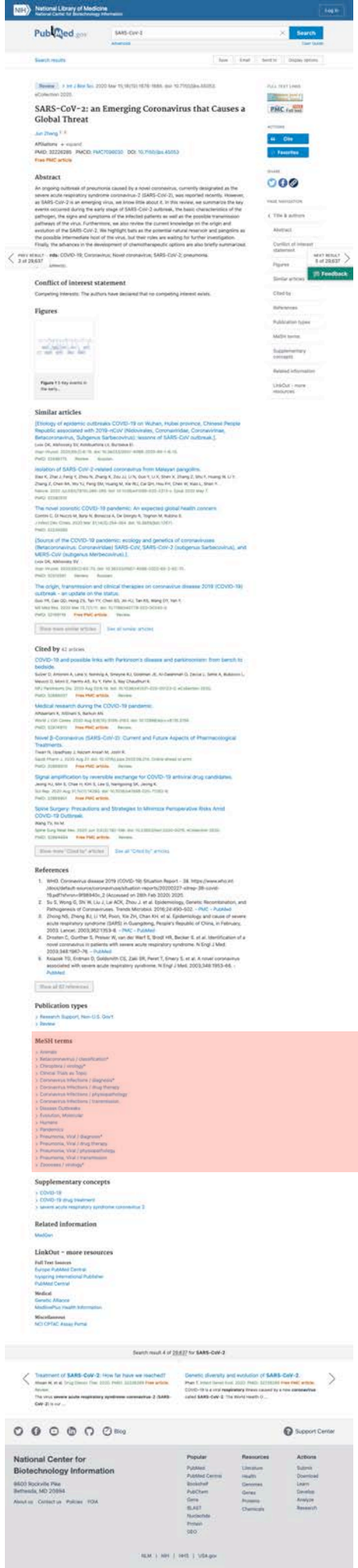
PMID: 32226285 PMCID: PMC7098030 DOI: 10.7150/ijbs.45053

Free PMC article

Abstract

An ongoing outbreak of pneumonia caused by a novel coronavirus, currently designated as the severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2), was reported recently. However, as SARS-CoV-2 is an emerging virus, we know little about it. In this review, we summarize the key events occurred during the early stage of SARS-CoV-2 outbreak, the basic characteristics of the pathogen, the signs and symptoms of the infected patients as well as the possible transmission pathways of the virus. Furthermore, we also review the current knowledge on the origin and evolution of the SARS-CoV-2. We highlight bats as the potential natural reservoir and pangolins as the possible intermediate host of the virus, but their roles are waiting for further investigation. Finally, the advances in the development of chemotherapeutic options are also briefly summarized.

Keywords: COVID-19; Coronavirus; Novel coronavirus; SARS-CoV-2; pneumonia.



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MeSH terms

- Animals
- Betacoronavirus / classification*
- Chiroptera / virology*
- Clinical Trials as Topic
- Coronavirus Infections / diagnosis*
- Coronavirus Infections / drug therapy
- Coronavirus Infections / physiopathology
- Coronavirus Infections / transmission
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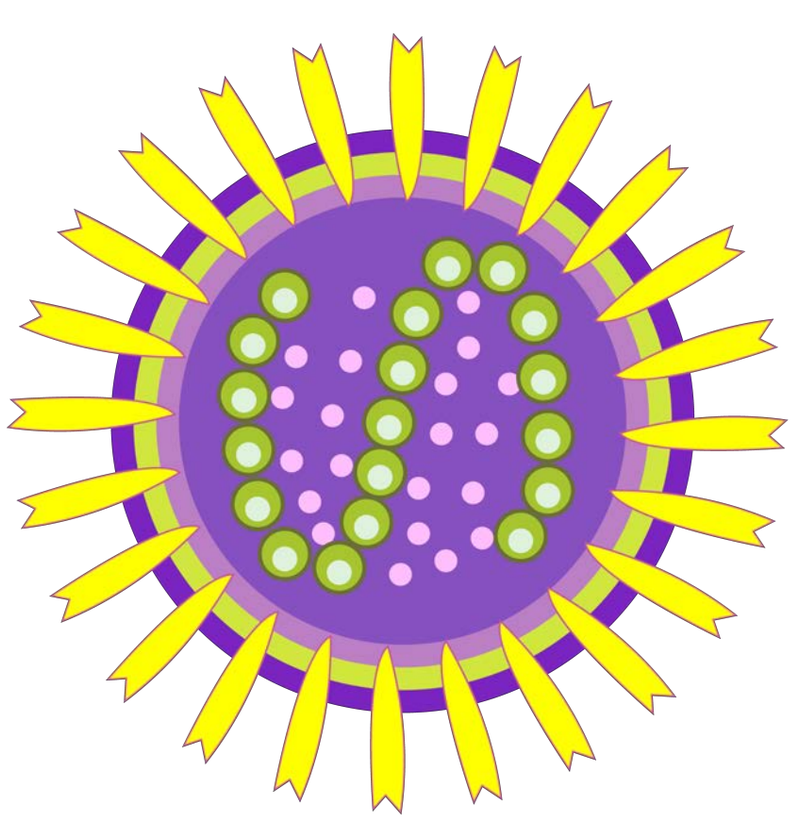

MeSHタームの活用

MeSH（Medical Subject Headings）タ―ム

- 概念階層関係を持つ統制語彙（語彙数は3万弱）で毎年更新される
- MEDLINE収録の全文献に対しNational Library of Medicine (NLM) の専門スタッフおよび契約事業者がMeSHタームを用いた注釈付けを行う
- 全員が生物医学関係の学士以上の学位を有す
- PubMed検索時に利用することで効率良く目的の文献を見つけられる
- MEDLINEの代表的な特徴
- セマンティックウェブにおけるデータ表現、RDFによる配布も

2020新登場

300近く（≒1%）のMeSHタームが新たに追加される

Ambient Intelligence

Augmented Reality

Blockchain

Internet of Things

Internet-Based Intervention

Smart Glasses

削除されるターム群

Fate of Descriptor Deletes for 2020 MeSH

Deleted Heading		Heading Maintained to	
Descriptor UI	**Heading**	**Descriptor UI**	**Heading**
D032484	Taxodiaceae	D029779	Cupressaceae
D002362	Cascara	D031955	Rhamnus
D031826	Punicaceae	D029561	Lythraceae
D032482	Coniferophyta	D064028	Tracheophyta
D001668	Biobibliography as Topic	D020467	Biobibliography*

*term not maintained in MeSH

2021年のMeSHは2020年10月頃に決定

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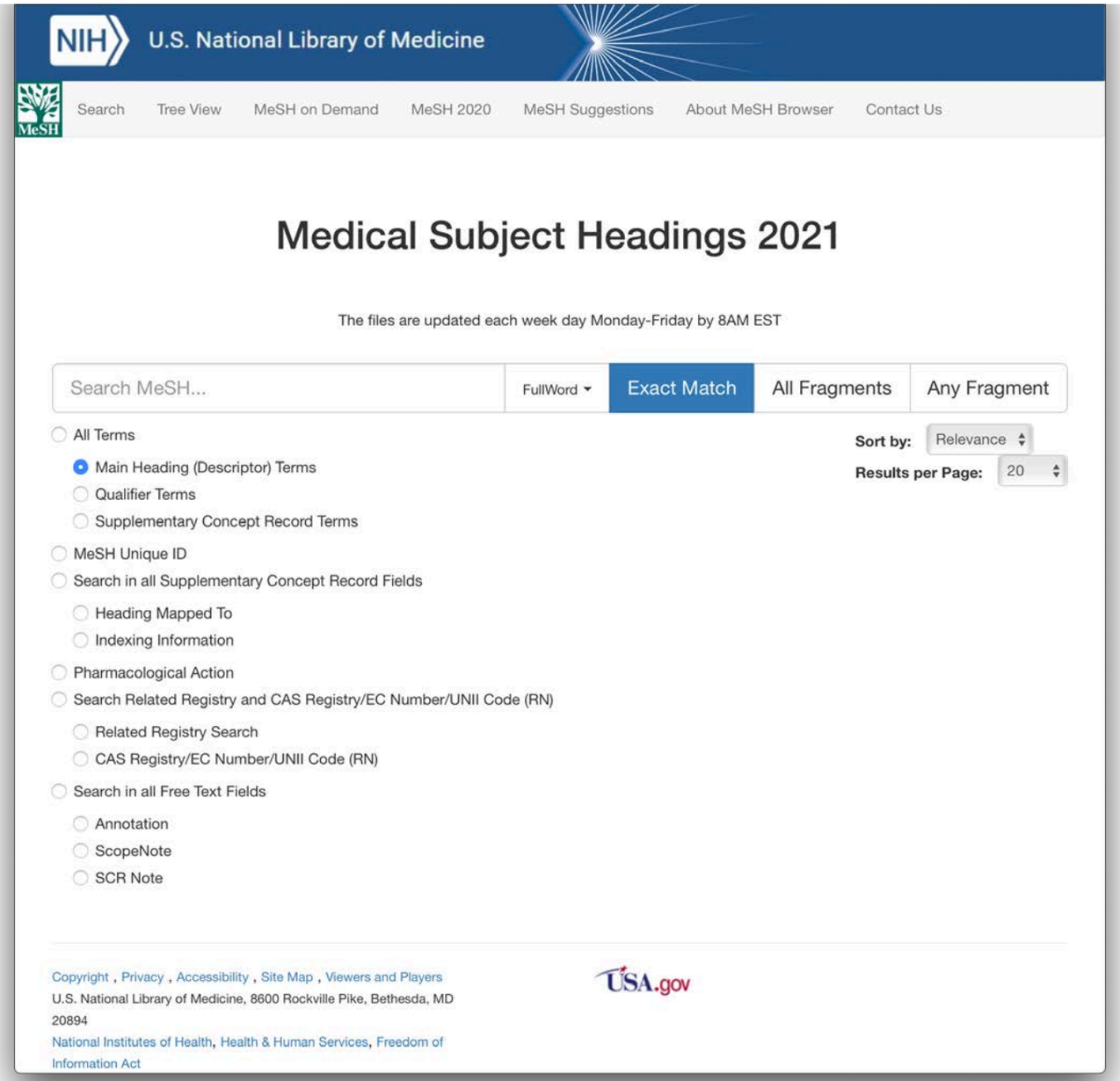
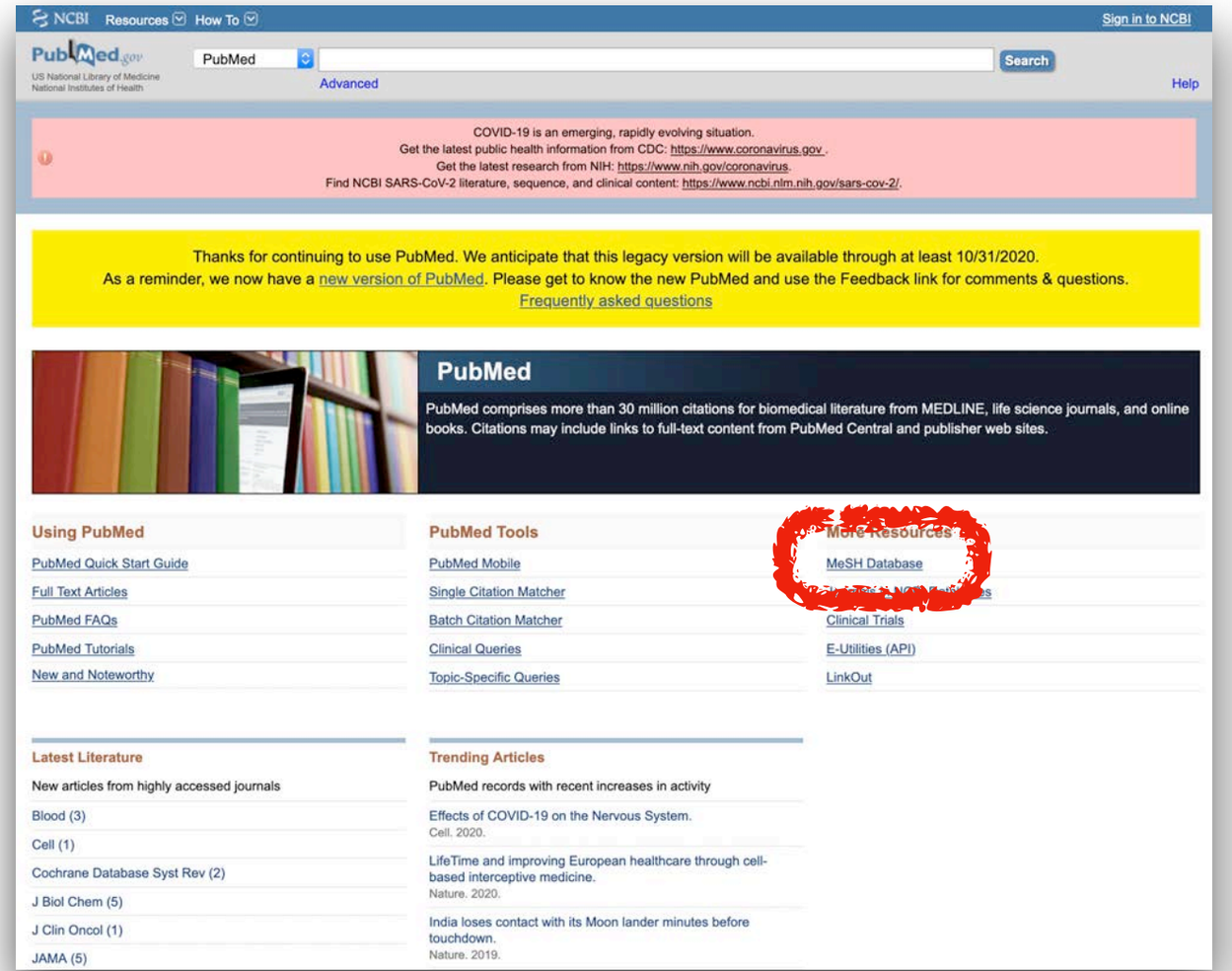


https://meshb-prev.nlm.nih.gov/search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J Clin Oncol (1)
JAMA (5)
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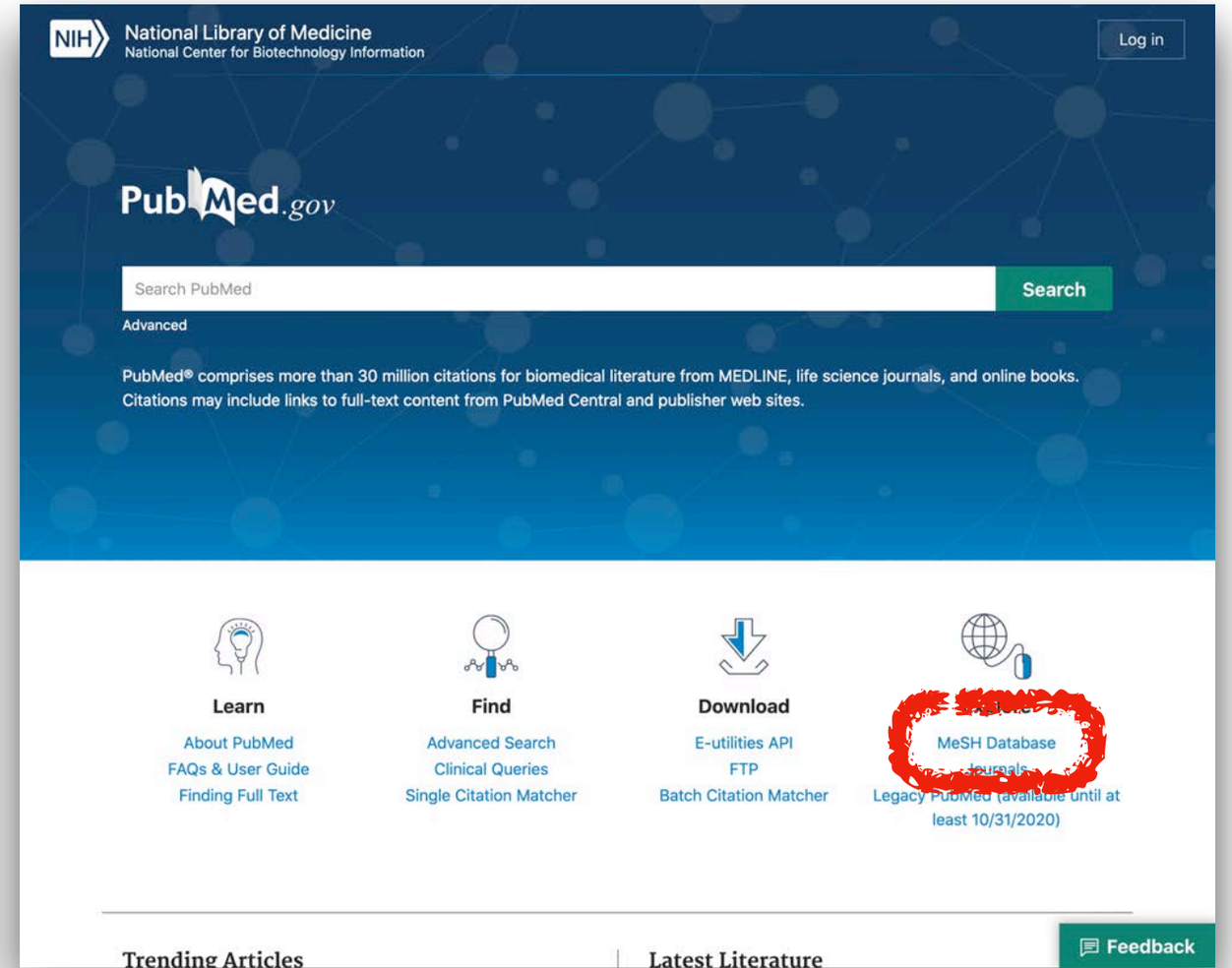
Cell. 2020.
LifeTime and improving European healthcare through cell-based interceptive medicine.
Nature. 2020.
India loses contact with its Moon lander minutes before touchdown.
Nature. 2019.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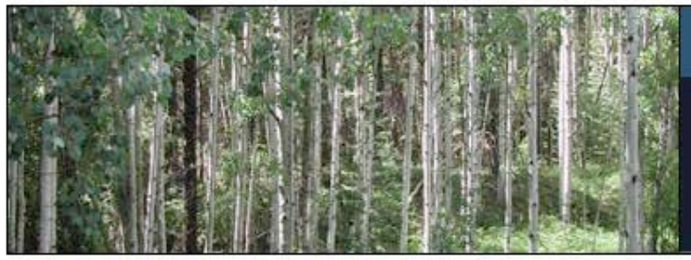

MeSH

MeSH (Medical Subject Headings) is the NLM controlled vocabulary thesaurus used for indexing articles for PubMed.

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Summary 20 per page Send to:

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<< First < Prev Page 1 of 2 Next > Last >>

1. spike protein, **SARS-CoV-2** [Supplementary Concept]
   Date introduced: March 19, 2020
2. COVID-19 diagnostic testing [Supplementary Concept]
   for isothermal amplification, loop-mediated see SCR LAMP assay and note there.
   Date introduced: March 26, 2020
3. nucleocapsid protein, Coronavirus [Supplementary Concept]
   was SY to NM (viral N protein) till 1996; NM promoted to HM
   Date introduced: September 19, 1996
4. 3C-like proteinase, Coronavirus [Supplementary Concept]
   similar to 3C proteinases of picornaviruses; MW about 35 kDa;
   Date introduced: June 26, 1996
5. membrane protein, **SARS-CoV-2** [Supplementary Concept]
   Date introduced: April 21, 2020
6. envelope protein, **SARS-CoV-2** [Supplementary Concept]
   A short integral membrane protein
   Date introduced: April 21, 2020
7. COVID-19 serotherapy [Supplementary Concept]
   Date introduced: March 28, 2020
8. COVID-19 vaccine [Supplementary Concept]
   Date introduced: March 26, 2020
9. RNA-dependent RNA polymerase, coronavirus [Supplementary Concept]
   Date introduced: March 25, 2020
10. nidoviral uridylate-specific endoribonuclease [Supplementary Concept]
    Date introduced: March 24, 2020
11. ORF1ab polyprotein, **SARS-CoV-2** [Supplementary Concept]
    Date introduced: April 22, 2020
12. **severe acute respiratory syndrome coronavirus 2** [Supplementary Concept]
    term "SARS2" deleted as it sometimes refers to mitochondrial seryl-tRNA synthetase gene, SARS2
    Date introduced: January 14, 2020

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```
"severe acute respiratory syndrome coronavirus 2"[All Fields] OR SARS-CoV-2[Text Word]
```

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coronavirus infections (1) MeSH

Coronavirus Infections MeSH

SARS-CoV-2 (35) MeSH

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https://www.ncbi.nlm.nih.gov/mesh/?term=SARS-CoV-2

Full Send to:

Coronavirus Infections

Virus diseases caused by the CORONAVIRUS genus. Some specifics include transmissible enteritis of turkeys (ENTERITIS, TRANSMISSIBLE, OF TURKEYS); FELINE INFECTIOUS PERITONITIS; and transmissible gastroenteritis of swine (GASTROENTERITIS, TRANSMISSIBLE, OF SWINE).
Year introduced: 1994

PubMed search builder options
Subheadings:

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- blood
- cerebrospinal fluid
- chemically induced
- classification
- complications
- congenital
- diagnosis
- diagnostic imaging
- diet therapy
- drug therapy
- economics
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- surgery
- therapy
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- veterinary
- virology

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Do not include MeSH terms found below this term in the MeSH hierarchy.

Tree Number(s): C01.925.782.600.550.200
MeSH Unique ID: D018352
Entry Terms:

- Coronavirus Infection
- Infection, Coronavirus
- Infections, Coronavirus
- Middle East Respiratory Syndrome
- MERS (Middle East Respiratory Syndrome)

All MeSH Categories
Diseases Category
Infections
Virus Diseases
RNA Virus Infections
Nidovirales Infections
Coronaviridae Infections
Coronavirus Infections
Enteritis, Transmissible, of Turkeys
Feline Infectious Peritonitis
Gastroenteritis, Transmissible, of Swine
Severe Acute Respiratory Syndrome

PubMed Search Builder

Add to search builder AND
Search PubMed

YouTube Tutorial

Related information

PubMed
PubMed - Major Topic
Clinical Queries
NLM MeSH Browser
MedGen

Recent Activity

Turn Off Clear

coronavirus infections (1) MeSH
Coronavirus Infections MeSH
SARS-CoV-2 (35) MeSH

See more...

"coronavirus infections"[MeSH Terms] OR coronavirus infections[Text Word]

Search
See more...

COVID-19 is an emerging, rapidly evolving situation.
Get the latest public health information from CDC: https://www.coronavirus.gov .
Get the latest research from NIH: https://www.nih.gov/coronavirus.
Find NCBI SARS-CoV-2 literature, sequence, and clinical content: https://www.ncbi.nlm.nih.gov/sars-cov-2/.

Full Send to:

Coronavirus Infections

Virus diseases caused by the CORONAVIRUS genus. Some specifics include transmissible enteritis of turkeys (ENTERITIS, TRANSMISSIBLE, OF TURKEYS); FELINE INFECTIOUS PERITONITIS; and transmissible gastroenteritis of swine (GASTROENTERITIS, TRANSMISSIBLE, OF SWINE).
Year introduced: 1994

PubMed search builder options
Subheadings:

- [ ] analysis
- [ ] anatomy and histology
- [ ] blood
- [ ] cerebrospinal fluid
- [ ] chemically induced
- [ ] classification
- [ ] complications
- [ ] congenital
- [x] diagnosis
- [ ] diagnostic imaging
- [ ] diet therapy
- [ ] drug therapy
- [ ] economics
- [ ] embryology
- [ ] enzymology
- [ ] epidemiology
- [ ] ethnology
- [ ] etiology
- [ ] genetics
- [ ] history
- [ ] immunology
- [ ] metabolism
- [ ] microbiology
- [ ] mortality
- [ ] nursing
- [ ] organization and administration
- [ ] parasitology
- [ ] pathology
- [ ] physiology
- [ ] physiopathology
- [ ] prevention and control
- [ ] psychology
- [ ] radiotherapy
- [ ] rehabilitation
- [ ] statistics and numerical data
- [ ] surgery
- [ ] therapy
- [ ] transmission
- [ ] urine
- [ ] veterinary
- [ ] virology

② ① [x] Restrict to MeSH Major Topic.
[ ] Do not include MeSH terms found below this term in the MeSH hierarchy.

Tree Number(s): C01.925.782.600.550.200
MeSH Unique ID: D018352
Entry Terms:

- Coronavirus Infection
- Infection, Coronavirus
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All MeSH Categories
Diseases Category

PubMed Search Builder

③ Add to search builder AND
④ Search PubMed

YouTube Tutorial

Related information

PubMed
PubMed - Major Topic
Clinical Queries
NLM MeSH Browser
MedGen

Recent Activity

Turn Off Clear

coronavirus infections (1) MeSH
Coronavirus Infections MeSH
SARS-CoV-2 (35) MeSH

See more...

```
"coronavirus infections"[MeSH Terms] OR coronavirus infections[Text Word]
```

https://www.ncbi.nlm.nih.gov/mesh/?term=coronavirus+infections

COVID-19 is an emerging, rapidly evolving situation.
Get the latest public health information from CDC: https://www.coronavirus.gov.
Get the latest research from NIH: https://www.nih.gov/coronavirus.
Find NCBI SARS-CoV-2 literature, sequence, and clinical content: https://www.ncbi.nlm.nih.gov/sars-cov-2/.

MY NCBI FILTERS

3,541 results

RESULTS BY YEAR

1969 2020

TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents

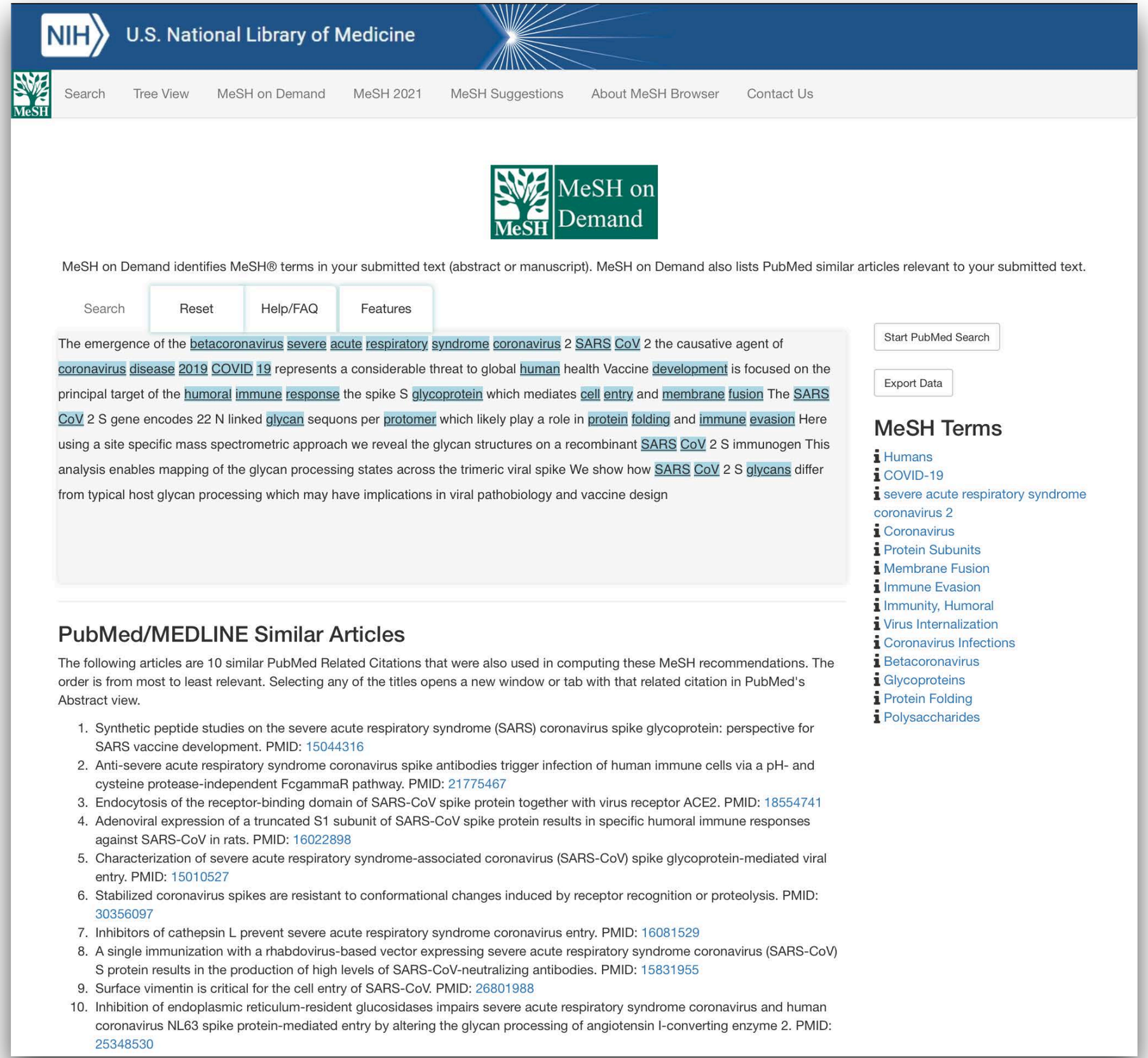
1 [Application of laboratory diagnostic technologies for SARS-CoV-2: current progress and prospect].
Cite Share
Xiao B, Zhou Q, Lei T, He Y, Li L.
Nan Fang Yi Ke Da Xue Xue Bao. 2020 Apr 30;40(4):601-605. doi: 10.12122/j.issn.1673-4254.2020.04.24.
PMID: 32895122 Review. Chinese.

2 Clinical characteristics of 16 patients with fecal severe acute respiratory syndrome coronavirus 2 nucleic acid-positive.
Cite Share
Zhou Y, Xiao Z, Chen D, Guan J, Zhou Z, Zhang H, Zhou H.
Zhong Nan Da Xue Xue Bao Yi Xue Ban. 2020 May 28;45(5):560-564. doi: 10.11817/j.issn.1672-7347.2020.200230.
PMID: 32879107 **Free article.** Chinese, English.

3 Clinical characteristics of coronavirus disease 2019 patients complicated with liver injury.
Cite Share
Wen M, Lu J, Xie Y.
Zhong Nan Da Xue Xue Bao Yi Xue Ban. 2020 May 28;45(5):555-559. doi: 10.11817/j.issn.1672-7347.2020.200225.
PMID: 32879106 **Free article.** Chinese, English.

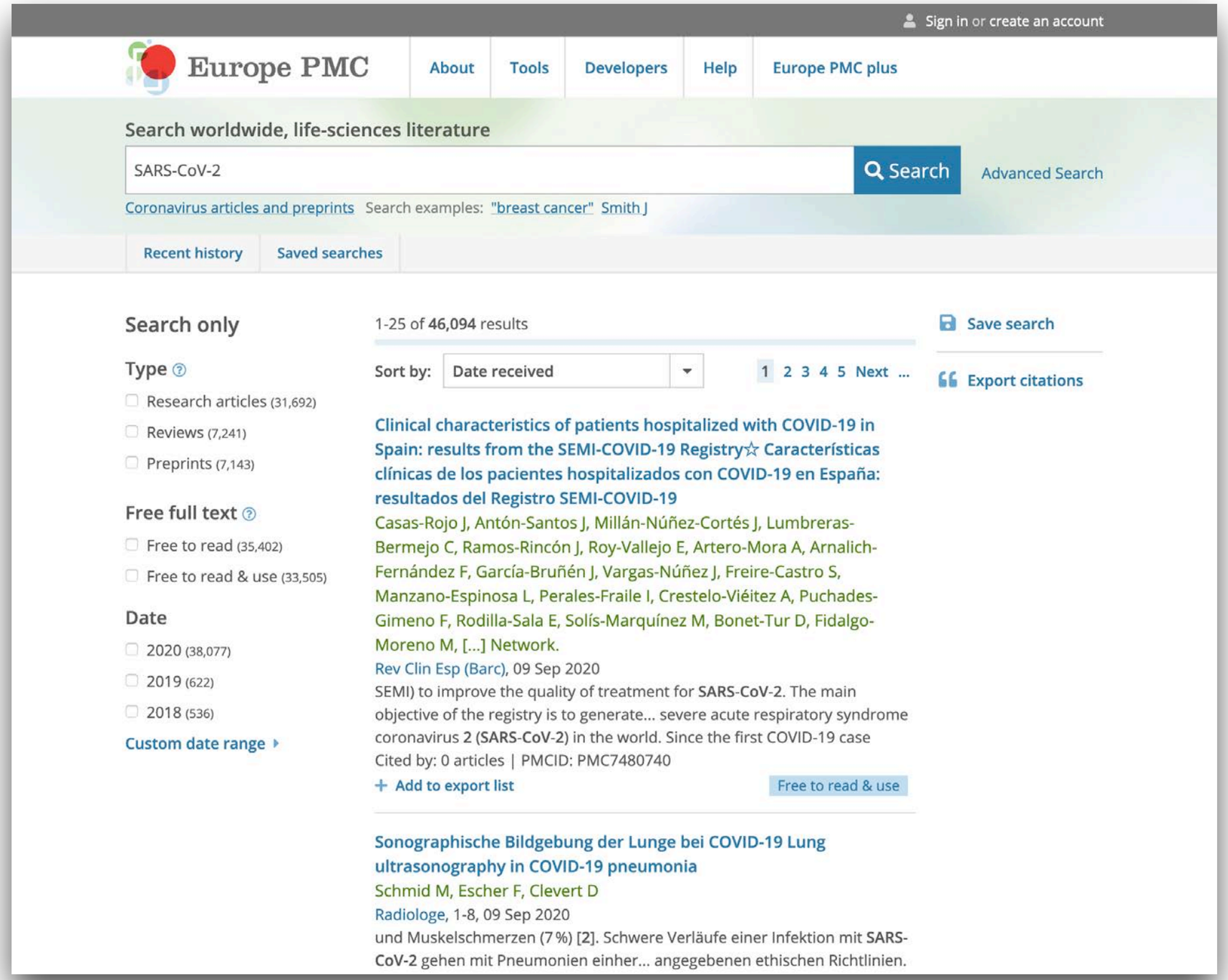
https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=%22Coronavirus+Infections%2Fdiagnosis%22%5BMajr%5D

MeSH on Demand



https://meshb.nlm.nih.gov/MeSHonDemand

Europe PMC



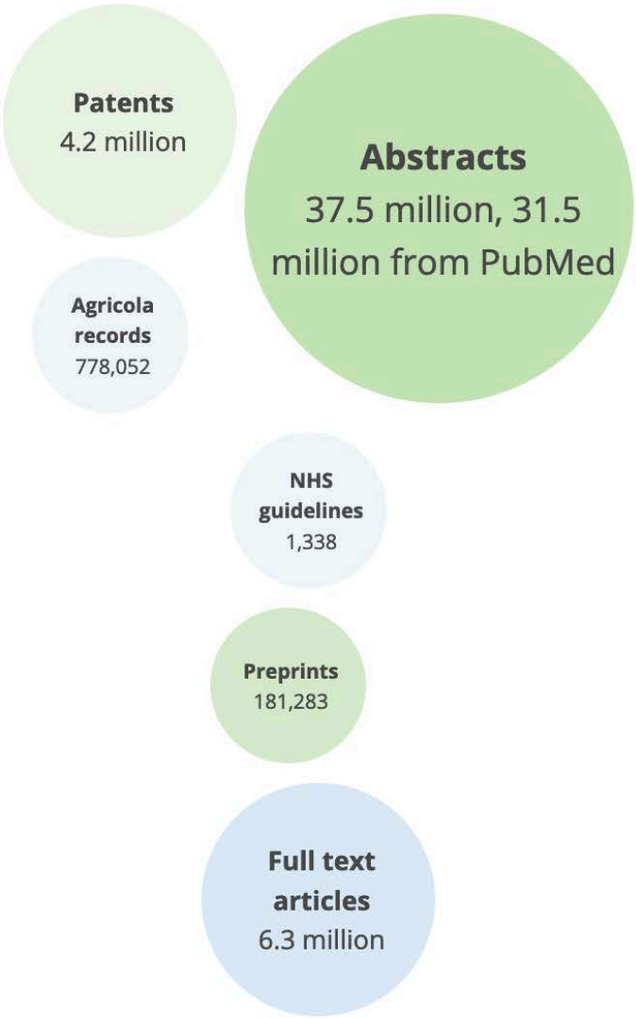
https://europepmc.org/

Access more content

We have over 5 million more abstracts than PubMed.

Europe PMC also contains Patents, NHS (National Health Service) guidelines, and Agricola records.

COVID-19 preprints initiative: find out more →



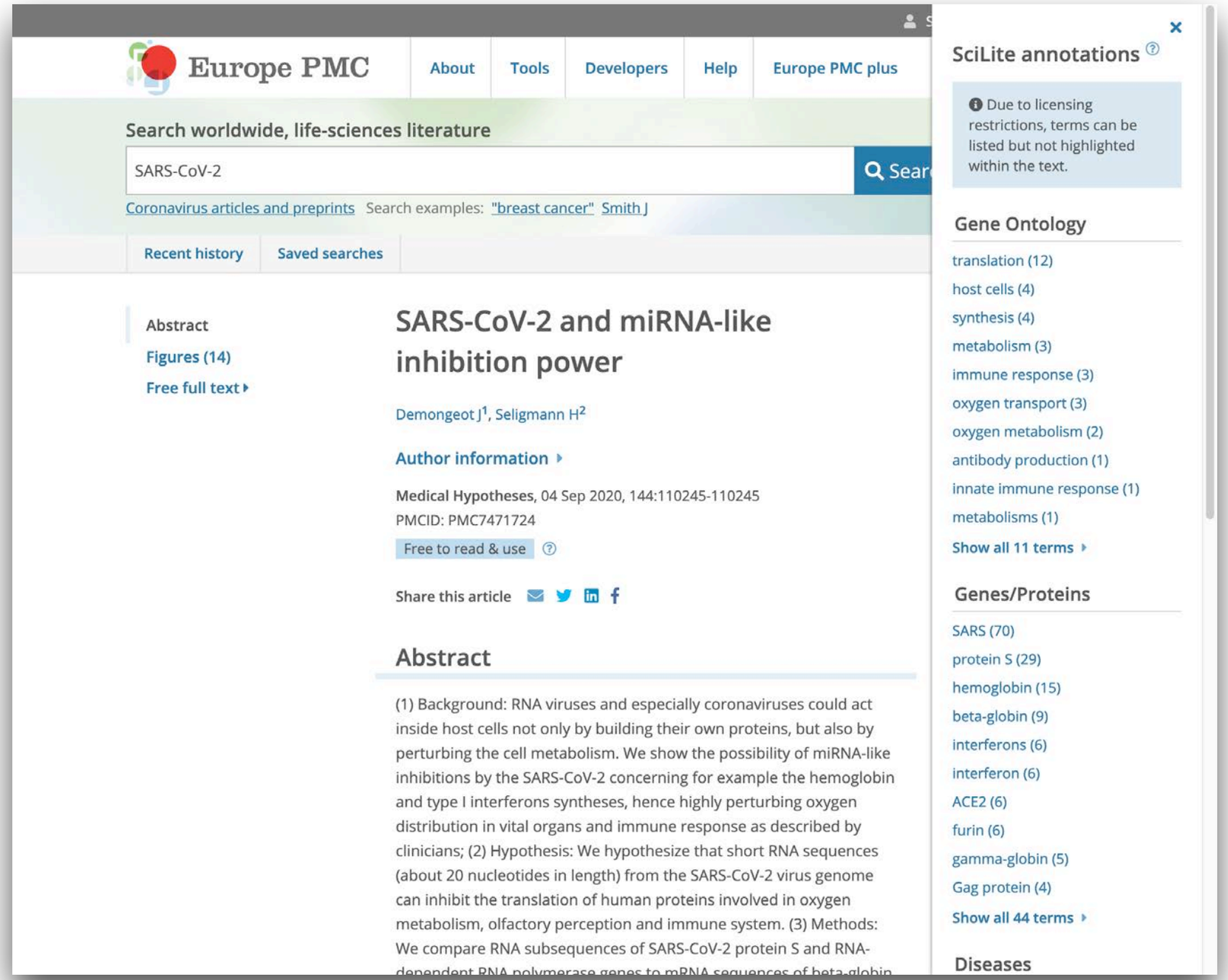
Search abstracts and full text in a single search

On Europe PMC you can search all the content (abstracts and article full text) **in a single search**, whereas PubMed and PMC are separate resources.

Sort by 'times cited' to get straight to highly cited articles.

https://beta.europepmc.org/About

キーワードが注釈付けされる



https://europepmc.org/article/PMC/PMC7471724

随時更新、オープン、フリー

Allie　文献で使われる略語を検索

inMeXes　文献で使われる英語表現を検索

Colil　引用情報の検索

Allie（アリー）

https://allie.dbcls.jp/


LC
HDL
GFP
IL-2
IR
ICU
OA
PE
PG
PCA
DC
CS
FISH
EC
HIV-1
IL-6
MAPK
PC
PMA
RF
CVD
CR
ROC
TG
CSF
EGF
IL
HA
NSCLC
PBMC
SP
SNP
SR
CMV
MAP
LV
RR
SOD
SNPs
TPA
CAT
CNS
CT
HCV
Ig
BM
AUC
MS
RA
ROS
TNF
AMI
BMD
ES
HPLC
BMI
AR
CD
IGF-I
MRI
RT-PCR
TCR
US
AA
AD
CI
IFN-gamma
TB
SHR
TNF-alpha
AIDS
ELISA
MHC
AP
EMG
PCR
VEGF
ACh
ACE
BP
MD
HBV
HIV
LPS
OR
PKC
SEM
AML
ALL
CAD
ER
IFN
HR
LDL
SLE
WT
AF
cAMP
EEG
COPD
SD
ATP
CF
CHD
CRP
GABA
HCC
HPV
RT
SC
CL
CA
CP
CEA
EGFR
EBV
PD
PSA
GH
LH
NMDA
PTH
CV
CO
HD
PS
PR
DM
ED
ECM
FA
HF
LDH
iNOS
MDA
NK
NGF
ET
GC
OS

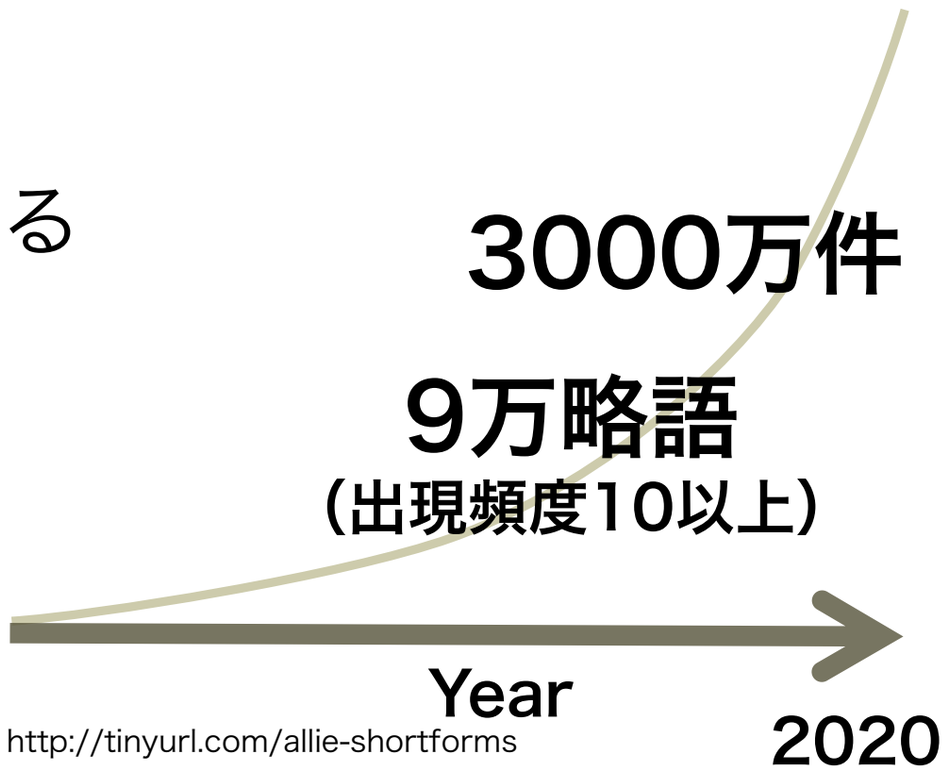
danmachold

生命科学分野の文献中には略語が多い

- 研究者により自由に略語が生み出されている
  発表文献数は増加中 (PubMedには2000報以上追加/日)

- 多くの多義語・類義語が存在

- 読み手に誤解と混乱を生じさせる



生命科学系の略語を簡単に調べる方法はないか?

最新の略語と出典を含めて

Allieがお手伝いします!

Allie

- 日本語訳があれば提示

  reactive oxygen species / 活性酸素種, 反応性酸素生成物

- よく使われる分野を提示、絞り込みも可能

  Biochemistry / 生化学, 生物化学

- 出現文献情報を提示

  ROS - (1980) Evidence for both oxygen and non-oxygen dependent mechanisms of antibody sensitized target cell lysis by human monocytes.

- 同じ文献で使われている他の略語 (共起略語) も提示

  ROS -SOD, NO, NAC, ...

DBCLS Research Services Contact About

Allie A Search Service for Abbreviation / Long Form

■ 検索結果 - 略語 : SPF

検索条件:

検索語 : **SPF**

検索方法 : **完全一致**

主な研究分野:

(Any)
獣医学
新生物, 腫瘍
皮膚科学
生化学, 生物化学
耳鼻咽喉科, 耳鼻科, 耳鼻咽喉科学, 耳鼻科学
眼科学

結果:

略語: **SPF**
出現頻度: **2873**
対応する展開形の数: **202**

表示設定:

[件数]

- (•) 展開形100件(出現頻度降順)
- ( ) 展開形全件

[1ページの件数]

20

ページ移動

1 / 5 ページ

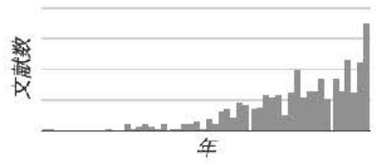
展開形 No.	展開形	主な研究分野	共起略語	PubMed/MEDLINE情報 (発表年, 題目)
1	specific pathogen-free 特定病原体除去 (1514 回) »	Veterinary Medicine 獣医学 (630 回)	GF (132 回) IBDV (58 回) NDV (58 回) »	1961 Swine repopulation. IV. Influence of management upon the growth of specific pathogen-free (SPF) pigs. »
2	S-phase fraction (491 回) »	Neoplasms 新生物, 腫瘍 (276 回)	FCM (54 回) DI (38 回) PI (28 回) »	1978 Subpopulations of breast carcinoma defined by S-phase fraction, morphology, and estrogen receptor content. »
3	sun protection factor 日焼け止め指数, 紫外線防御指数 (440 回) »	Dermatology 皮膚科学 (209 回)	UV (85 回) UVR (29 回) MED (19 回) »	1968 Passive transfer of acquired resistance in mice to group B Arboviruses by serum protective factor(s) (SPF) independent of serum neutralizing antibody or interferon. »
4	Supernatant protein factor (21 回) »	Biochemistry 生化学, 生物化学 (14 回)	alpha-TTP (4 回) CRALBP (2 回) PG (2 回) »	1977 Purification and properties of a soluble protein activator of rat liver squalene epoxidase. »
5	synthetic phase fraction (18 回) »	Biochemistry 生化学, 生物化学 (5 回)	PI (4 回) PCNA (3 回) EGFR (2 回) »	1991 Multiparametric evaluation of flow cytometric synthesis phase fraction determination in dual-labelled breast carcinomas. »
6	sphenopalatine foramen (15 回) »	Otolaryngology 耳鼻咽喉科, 耳鼻科, 耳鼻咽喉	FR (3 回) PPF (3 回) CT (2 回)	1998 Osteologic classification of the sphenopalatine foramen. »

https://allie.dbcls.jp/short/exact/Any/SPF.html

Allie A Search Service for Abbreviation / Long Form

■ 略語／展開語 : SPF／sun protection factor

[関連PubMed/MEDLINE情報]
合計出現文献数: **435**



[表示件数]
- (●) 100 件 (発表年降順)
- ( ) 100 件 (発表年昇順)

>> 全件

[1ページの表示件数]
20

ページ移動
1 / 5 ページ

略語: RDF **SPF** (>> 共起略語)
展開形: RDF **sun protection factor**
日焼け止め指数, 紫外線防御指数

- DBpediaへのリンク
- LSD RDFへのリンク
- 略語バリエーション
- 展開形バリエーション
- ペア(略語／展開形)バリエーション

No.	発表年	題目	共起略語
1	2019	A series of in vitro and human studies of a novel lip cream formulation for protecting against environmental triggers of recurrent herpes labialis.	RHL, TEWL, UVA
2	2019	Another Reason for Using Caffeine in Dermocosmetics: Sunscreen Adjuvant.	UV
3	2019	Anti-inflammatory / anti-oxidant activity of ingredients of sunscreen products? Implications for SPF.	AI/AO
4	2019	Antioxidant, UV Protection, and Antiphotoaging Properties of Anthocyanin-Pigmented Lipstick Formulations.	ACNs, DPPH, UV
5	2019	Application of SPF moisturisers is inferior to sunscreens in coverage of facial and eyelid regions.	---
6	2019	Bismuth titanate-based UV filters embedded mesoporous silica nanoparticles: Role of bismuth concentration in the self-sealing process.	MSN, UV
7	2019	Characterization of a nontoxic pyomelanin pigment produced by the yeast Yarrowia lipolytica.	DPPH
8	2019	Chemical Characterization and Biotechnological Applicability of Pigments Isolated from Antarctic Bacteria.	---
9	2019	Compositional and morphological analyses of wax in northern wild berry species.	GC-MS, SEM, SFE
10	2019	Cosmeceutical potential of geranium and calendula essential oil: Determination	CEO, CEO, DPPH

https://allie.dbcls.jp/pair/SPF;sun+protection+factor.html

計算機を用いて自動的に抽出

> Nature 2019 Oct 21[Online ahead of print]

Search-and-replace Genome Editing Without Double-Strand Breaks or Donor DNA

Andrew V Anzalone, Peyton B Randolph ... David R Liu + expand

PMID: 31634902 DOI: 10.1038/s41586-019-1711-4

prime editing RNA - pegRNA

Abstract

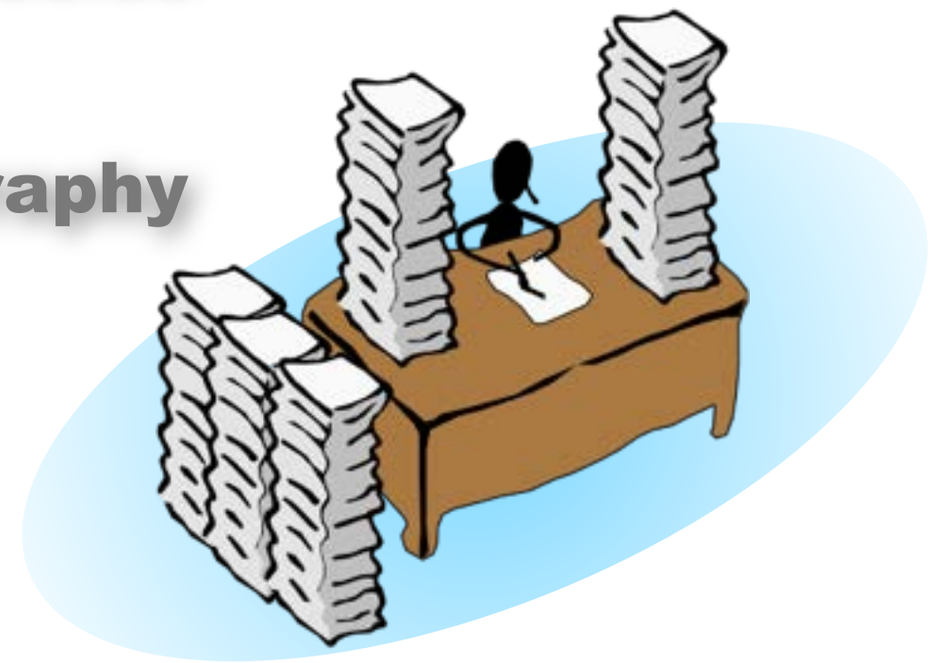
Most genetic variants that contribute to dis challenging to correct efficiently and without excess byproducts[2-5]. Here we describe g, a versatile and precise genome editing method that directly writes new gen mation into a specified DNA site using a catalytically impaired Cas9 endonuclease fus engineered reverse transcriptase, programmed with a prime editing guide RNA (pegRNA) that both specifies the target site and encodes the desired edit. We performed more than 175 edits in human cells, including targeted insertions, deletions, and all 12 types of point mutation, without requiring double-strand breaks or donor DNA templates. We used prime editing in human cells to correct, efficiently and with few byproducts, the primary genetic causes of sickle cell disease (requiring a transversion in HBB) and Tay-Sachs disease (requiring a deletion in HEXA); to install a protective transversion in PRNP; and to insert various tags and epitopes precisely into target loci. Four human cell lines and primary post-mitotic mouse cortical neurons support prime editing with varying efficiencies. Prime editing shows higher or similar efficiency and fewer byproducts than homology-directed repair, has complementary strengths and weaknesses compared to base editing, and induces much lower off-target editing than Cas9 nuclease at known Cas9 off-target sites. Prime editing substantially expands the scope and capabilities of genome editing, and in principle could correct up to 89% of known genetic variants associated with human diseases.

約3000万件

reactive oxygen species
ROS

high-performance liquid chromatography
FTIR

superoxide dismutase
SOD



PubMedに含まれる全文献情報を対象に抽出

約2480万ペア
(unique: 419万)

http://tinyurl.com/allie-paircount

http://tinyurl.com/allie-paircount-unique

発展的な利用

- ftpでデータベースのダウンロードが無料で可能
  - 毎週更新
    - ftp://ftp.dbcls.jp/allie
- APIにより利用者の開発したプログラムから検索可能
  - SOAP / REST / SPARQL
  - http://data.allie.dbcls.jp/

DBCLS Research Services Contact About

Allie A Search Service for Abbreviation / Long Form

■ 略語／展開形の検索

Allie RDF Data Portal | SOAP/REST APIについて | English

[検索語] (略語、展開形、もしくはそれらの一部)

検索 リセット

[ヘルプ] [略語一覧]

"SPF"で試す 検索オプション

Allieとは?

Allie(アリー)は生命科学分野において利用されている略語とその展開形を検索するサービスです。文献中に多く出現する略語は多義語であることが多く、特に専門外の読者には理解するのに困難を伴うことがあります。 Allieはこの問題に対する一つの解となるよう開発されています。 Allieは米国国立保健図書館(National Library of Medicine、NLM)の生物医学分野における書誌情報データベースであるPubMed®に含まれる全ての題目と要旨を対象として略語とその展開形を検索し

https://allie.dbcls.jp/

略語のアリー 検索

動画チュートリアル

Allieの使い方を動画で解説しています。こちらをご覧ください。

新着情報ブログ

データを更新した際に追加された略語などについての情報をこちらにアップしています。

関連文献

Allieの詳細については下記の文献を参照してください。:
Y. Yamamoto, A. Yamaguchi, H. Bono and T. Takagi, "Allie: a database and a search service of abbreviations and long forms.", Database, 2011:bar03.
PubMed Entry | Full text paper available

また、AllieはALICEという、PubMedデータから略語とその展開形の組を抽出するツールを利用しています。詳細は下記の文献を参照してください。:
H. Ao and T. Takagi, "ALICE: an algorithm to extract abbreviations from MEDLINE.", J Am Med Inform Assoc., 2005 Sep-Oct;12(5):576-86.
PubMed Entry | Full text paper available

更新

動画チュートリアル(統合TV)

2017-10-25 **Allie**を使って略語の正式名称を検索する **2017**

YouTube版を視聴できない方はオリジナル版ファイル(mov形式)をダウンロードして、ご覧ください。

Allie（「アリー」と発音します）は、ライフサイエンス統合データベースセンター(DBCLS)が提供するサービスのひとつで、PubMed/MEDLINE(医学生物系文献書誌情報データベース)に収載されている文献中に出現する略語とその正式名称の組およびその付随情報を検索するシステムです。
生命科学系の文献では非常に多くの略語が使われており、同じ表記でも全く違う意味を示していることが少なくありません。Allieでは、利用者の興味のある略語を検索語として入力することで、その使われ方をPubMed/MEDLINE中によく現れる順で一覧表示すると共に、その略語が使われた文献の発表年を提示しています。また、検索された各略語について、その意味で使われている文献中で共起する他の略語も同時に検索されることが特徴です。 日本語の対訳がある正式名称についてはそれらを併せて表示したり、検索結果の略語もしくは正式名称についてそれらが出現する文献情報を取得することもできます。さらに、略語と正式名称の組とそれらが出現する文献のPubMed IDを収めたデータベースをタブ区切り形式等で自由にダウンロードできます。

▶▶ 見どころダイジェスト

1. Allieのトップページから「IPS」の正式名称を調べる (0:41)
2. 「iPS」と共起する略語を調べる (2:17)
3. 「IPS」という略語がいつ頃からどの論文で出現するのかを調べる (2:48)
4. 完全一致と部分一致の違いなどのオプション設定方法 (3:51)
5. 略語を検索する (5:24)

http://togotv.dbcls.jp/20171025.html

Allieデータベースへの SPARQL検索結果例

研究分野がVirologyである文献中に出現する略語

頻度	略語	展開形	対訳
16202	HIV-1	human immunodeficiency virus type 1	ヒト免疫不全ウイルス1型
7736	RT	reverse transcriptase	逆転写酵素
7583	RSV	respiratory syncytial virus	(呼吸器に感染するニューモウイルス) RSウイルス, 呼吸器合胞体ウイルス, 呼吸器多核体ウイルス
7485	HSV	herpes simplex virus	単純ヘルペスウイルス, 単純疱疹ウイルス
6748	HSV-1	herpes simplex virus type 1	単純ヘルペスウイルス1型
6181	HA	hemagglutinin	ヘマグルチニン, 血球凝集素, 赤血球凝集素
5346	HCMV	human cytomegalovirus	ヒトサイトメガロウイルス
5136	ORFs	open reading frames	(DNA上でタンパク質をコードする範囲) 翻訳領域, オープンリーディングフレーム, 読み取り枠, 読み枠
4272	VZV	varicella-zoster virus	水痘・帯状疱疹ウイルス, 水痘帯状疱疹ウイルス
3448	WNV	West Nile virus	(蚊が媒介して脳炎や感冒様症状を起こす病原ウイルス) ウエストナイルウイルス, West Nileウイルス, 西ナイルウイルス

http://tinyurl.com/allie-virology

UniProtとの連合検索例

	japaneseLabelStr
.org/uniprot/O73683	"アミロイド前駆体タンパク質"http://www.w3.org/1999/02/22-rdf-syntax-ns#langString
.org/uniprot/Q5IS80	"アミロイド前駆体タンパク質"http://www.w3.org/1999/02/22-rdf-syntax-ns#langString
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/Q28280	"アミロイド前駆体タンパク質"http://www.w3.org/1999/02/22-rdf-syntax-ns#langString
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/Q28053	"アミロイド前駆体タンパク質"http://www.w3.org/1999/02/22-rdf-syntax-ns#langString
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/P12023	"アミロイド前駆体タンパク質"http://www.w3.org/1999/02/22-rdf-syntax-ns#langString
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/P29216	"アミロイド前駆体タンパク質"http://www.w3.org/1999/02/22-rdf-syntax-ns#langString
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/Q28757	"アミロイド前駆体タンパク質"http://www.w3.org/1999/02/22-rdf-syntax-ns#langString
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/P79307	"アミ
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/P05067	"アミ
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/P86906	"アミ
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/P08592	"アミ
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/Q29149	"アミ
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/Q60495	"アミ
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/Q95241	"アミ
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/O93279	"アミ
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/P53601	"アミ
"Amyloid precursor protein"xsd:string http://purl.uniprot.org/uniprot/Q28748	"アミ

https://tinyurl.com/UniProt-Allie-APP

```
PREFIX up:<http://purl.uniprot.org/core/>
PREFIX rdfs:<http://www.w3.org/2000/01/rdf-schema#>
PREFIX rdf:<http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX allie:<http://purl.org/allie/ontology/201108#>
SELECT
    ?englishLabelStr ?protein ?japaneseLabelStr
WHERE {
  BIND("アミロイド前駆体タンパク質"@ja AS ?japaneseLabelStr)
    SERVICE<http://data.allie.dbcls.jp/sparql>{

            ?x rdfs:label ?japaneseLabelStr ;
                rdfs:label ?englishLabel .
            FILTER(lang(?englishLabel) = "en")
    }
    BIND (STR(?englishLabel) AS ?englishLabelStr)
    ?protein a up:Protein .
    {
        ?protein (up:recommendedName|up:alternativeName) ?structuredName .
    }
    UNION
    {
          VALUES(?partType){(up:domain) (up:component)}
                  ?protein ?partType ?part .
          ?part (up:recommendedName|up:alternativeName) ?structuredName .
    }
    ?structuredName ?anyKindOfName  ?englishLabelStr .
    ?anyKindOfName rdfs:subPropertyOf up:structuredNameType .
}
```

SPARQL results:

englishLabelStr	japaneseLabelStr
"amyloid protein precursors"	"アミロイド前駆体タンパク質"@ja
"amyloid-protein precursor"	"アミロイド前駆体タンパク質"@ja
"Amyloid precursor protein"	"アミロイド前駆体タンパク質"@ja
n"	"アミロイド前駆体タンパク質"@ja
r"	"アミロイド前駆体タンパク質"@ja
n"	"アミロイド前駆体タンパク質"@ja
"	"アミロイド前駆体タンパク質"@ja
r"	"アミロイド前駆体タンパク質"@ja
n"	"アミロイド前駆体タンパク質"@ja
n"	"アミロイド前駆体タンパク質"@ja

https://tinyurl.com/Allie-APP

SPARQL Query created by @jervenbolleman

inMeXes (インメクセズ)

https://docman.dbcls.jp/im/

英作文中に出くわす悩み

- is associated に続く前置詞は何だったっけ？
- リン酸化に対応する英単語、phosの続きは？
- associated with を修飾する副詞、文献でよく使われているものは？
- thermodynamic parameters には the が付くことが多い？
  付いている場合の実際の文章は？
- unknownと同じような使われ方をするほかの単語は？

inMeXesがお手伝いします!

inMeXes

- 高速

  PubMedに含まれる全ての題目、要旨中の表現を高速に検索

- 軽快

  3文字以上入力すると、キーを叩く毎に検索結果を表示

- 便利

  結果は頻度順、気になる表現をクリックすると関連情報を表示

関連情報例: PubMedアブストラクト中の表現

PMID	Location	Line	Sentence
14862	Abstract	5	The fall in serum calcium ion concentration was highly correlated with the rise in serum pH.
49375	Abstract	4	Body temperature was found to decline with advancing age and was highly correlated with thyroid function.
65917	Abstract	12	For all samples the amount of lipoprotein released was highly correlated with the accumulation of deposited cholesterol, suggesting that immobilization of LDL may be an intermediate step in the irreversible deposition of extracellular cholesterol.
67021	Abstract	10	It was primarily due to changes in the amplitude of late VEP components (240--400 msec after the evoking stimulus) and was highly correlated with the percentage time the infants fixated the various check sizes.
100173	Abstract	3	Secondly, if a visual stimulus sometimes elicited a saccade and sometimes failed to elicit a saccade, the occurrence of the spike pulse was highly correlated with saccade occurrence.
133356	Abstract	7	(2) Drect stimulants of DA receptors should enhance self-stimulation of NA sites by augmenting dopaminergic motivational activity; but in rats with DA electrodes, noncontingent stimulation of DA receptors would also impose similar noncontingent activity on the transsynaptic noradrenergic reinforcement pathways and thus depress self-stimulation; this was confirmed by the finding that apomorphine (0.3-1.0 mg/kg) was strongly stimulant for NA electrodes but strongly depressant for DA electrodes, and that the degree and direction of these effects was highly correlated with the differential effects of d- l-amphetamine (rho = .65, p less than 0.01).
135383	Abstract	3	Stimulation by pools of 20 cells was highly correlated with the general "responsiveness" of responding cells as measured by their mean response to a large panel of stimulating cells.
138358	Abstract	3	The maximum of Vf, the summated vector (Vf), was highly correlated with VS1+R6 (r=0.84).
147530	Abstract	2	MLC blocking particularly in the unidirectional culture against donor-stimulating cells, was highly correlated with the presence of complement-dependent cytotoxicity antibodies against donor B lymphocytes.
150082	Abstract	2	Unidirectional MLC blocking was highly correlated with a positive B-cell crossmatch.
169242	Abstract	2	The in vitro nuclear binding of all the analogues tested was highly correlated with their published thyromimetic potencies in the intact animals.
191473	Abstract	10	The rate of rise of plasma 25-OHD level was highly correlated with the dose used.
191551	Abstract	6	In these animals, plasma cholesterol concentration ranged from 100 to over 700 mg/dl and was highly correlated with LDL molecular weight and with the micromolar concentration of the LDL.
203920	Abstract	5	The calcium binding activity of these samples was approximately 0.9% per mg. protein and was highly correlated with CaBP concentration (r=0.94).
210440	Abstract	6	Total cholesterol was highly correlated with both beta- and alpha-lipoproteins; triglycerides were correlated with pre-beta-lipoproteins but inversely with alpha-lipoproteins.
218807	Abstract	5	In individual rats, the magnitude of the decrease in nuclear T3 receptor concentration was highly correlated with the decrease in tumor-free body weight.
234690	Abstract	7	However, the medial thickness of the small pulmonary arteries in control animals was highly correlated with the development of pulmonary hypertension and right ventricular hypertrophy in hypoxic animals.
268642	Abstract	3	The relative activity of these anionic dyes was highly correlated with their lipid solubility.
319288	Abstract	6	The frequency of recovery of E. coli was increased in fatal cases, and mortality was highly correlated with the presence of gastrointestinal catastrophe.
365649	Abstract	5	Post LHRH gonadotropins response was in the normal range for all groups and the amplitude of the response was highly correlated with basal levels except for LH in ND.

https://tinyurl.com/highlyCorrelatedWith

同様の使われ方をする単語を調べる

例: unknownと同じ様に使われているほかの単語を調べる

unknown を含む 表現を検索。 フィルタを表示

最大結果表示件数: 20, 検索結果のリンク先: LSD共起リスト, Permalink(?)

マッチ 関連語

距離	語	リンク
0.93	undefined	inMeXes
0.92	unclear	inMeXes
0.9	uncertain	inMeXes
0.85	elusive	inMeXes
0.85	unexplored	inMeXes
0.83	unresolved	inMeXes
0.83	controversial	inMeXes
0.82	obscure	inMeXes
0.81	debated	inMeXes
0.8	unrecognized	inMeXes
0.79	enigmatic	inMeXes
0.78	debatable	inMeXes
0.77	disputed	inMeXes
0.76	undetected	inMeXes
0.74	underappreciated	inMeXes
0.74	unrecognised	inMeXes
0.73	understood	inMeXes
0.73	unappreciated	inMeXes
0.73	questionable	inMeXes
0.72	uncommon	inMeXes

https://tinyurl.com/unknownRelated

やや高度な使い方:
正規表現フィルタ

https://tinyurl.com/correlatedAdverb

発展的な利用

- API (JSONP) による検索が可能
  - ご自身のブログやホームページに検索サービスを埋め込めます
- API Keyなどの認証は不要
- 詳細は https://docman.dbcls.jp/im/api.html

DBCLS Research Services Contact About

API仕様 | English

逐次PubMed表現検索 inMeXes

3文字以上入力すると検索が始まります。
(大文字小文字は区別されます。ハイフンとスラッシュは結果に空白として表示されます。入力された情報は暗号化されて送信されます。)

▶ inMeXesとは?

こちらでinMeXesの使い方を動画で紹介しています。

is associ を含む 表現を検索。 フィルタを表示

最大結果表示件数: 20, 検索結果のリンク先: LSD共起リスト, Permalink(?)

マッチ 関連語

頻度	表現	関連研究分野
14215	which is associated	Medicine / Biochemistry / Neoplasms
13890	which is associated with	Medicine / Biochemistry / Neoplasms
12135	This association	Medicine / Neoplasms / Neurology
10775	that is associated	Medicine / Neurology / Biochemistry
10573	that is associated with	Medicine / Neurology / Biochemistry
10547	is associated with an increased risk	Medicine / Cardiology / Neoplasms
9097	is associated with an increased risk of	Medicine / Cardiology / Neoplasms
8828	is associated with poor	Neoplasms / Medicine / Cardiology
8731	it is associated	Medicine / General Surgery / Neoplasms
8309	it is associated with	Medicine / General Surgery / Cardiology

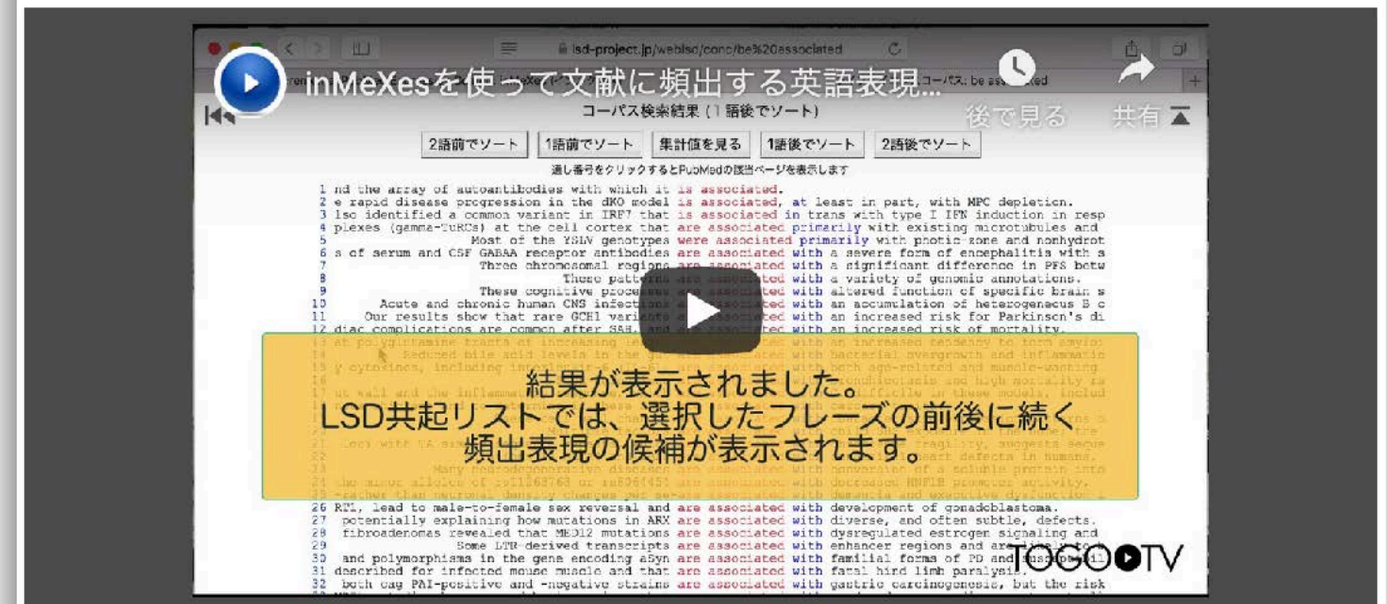
inMeXes はDBCLSにより提供されています。ご利用に際してサイトポリシーをご覧下さい。
『英辞郎 on the WEB』とは、EDP制作の英和・和英データベース（英辞郎）をウェブブラウザ経由で利用できるサービスです。
※「英辞郎」は道端早知子氏の登録商標です。
ご意見等ございましたらこちらまでお寄せください。

https://docman.dbcls.jp/im/

インメクセズ 検索

動画チュートリアル(統合TV)

2018-01-26 inMeXesを使って文献に頻出する英語表現や関連語を高速に検索する 2018



YouTube版を視聴できない方はオリジナル版ファイル(mov形式)をダウンロードして、ご覧ください。

inMeXes(インメクセズと読みます)は、DBCLSが提供するサービスの一つで、生命科学系の文献(PubMedに含まれるタイトルとアブストラクト)に頻出する英語表現を、1文字の入力ごとに高速に再検索することができます。また、検索結果から用例や関連情報を容易に取得することができます。3文字以上の入力で、生命科学系の文献で実際に用いられている表現をPubMedデータベースにおける頻度順に表示します。1文字の入力を追加するごとに逐次的に文字列にマッチする表現を検索し直すので、目的とする表現をみつけやすくなっています。用例は、「ライフサイエンス辞書プロジェクト(京都大学)」が提供している共起表現リストや、「生命科学データベース横断検索(NBDC)」の文献・データベースリストなどで確認できます。一度検索した表現の用例は、結果を再現しやすくするためにURL(Permalink)を動的に生成することができるので、検索結果のブックマークや共有に便利です。最近追加された機能として、検索した語と同様にPubMed内で出現する単語を確認することができるようになりました。名詞のほか、副詞など入力すると参考になる候補を表示することができます。

⏩ 見どころダイジェスト

1. inMeXesのトップページから表現検索を始める (0:31)
2. フィルターの使い方　(1:40)
3. 検索結果の用例や関連情報を取得する (2:10)
4. 検索した語と同様にPubMed内で出現する単語を確認する (4:31)
5. Permalinkの使い方 (5:47)

https://togotv.dbcls.jp/20180126.html

Colil (コリル)

http://colil.dbcls.jp/

ある文献に関する第三者からの視点

- ある文献について、当該文献の著者ではない研究者による評価はどうだろう?

- ある文献について、共によく引用されている文献はあるだろうか?

- 引用したい文献について、特に英語での適切な記述例はないだろうか?

Colilがお手伝いします!

Colil

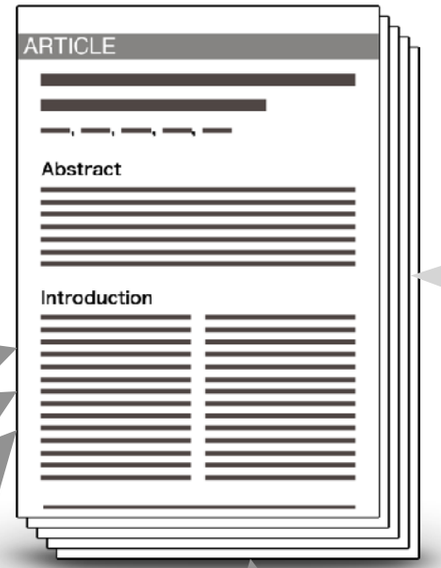
(Comments on literature in literature)

- 特定の論文について、その引用記述を検索します
- 特定の論文について、他の論文から共に引用されている論文を表示します
- 引用記述抽出対象はPMIDを持つPMC OA（Open Access）サブセットです
(約245万件、PubMed全体の8.2%程、PMC OAサブセット全体の約85%)
- 約1185万件のPMID付き文献がPMC OAサブセットから引用されています
(PubMed全体の1/3強)
- 現バージョンは2020年8月時点取得時のものです

引用される論文A

論文Aの関連論文群

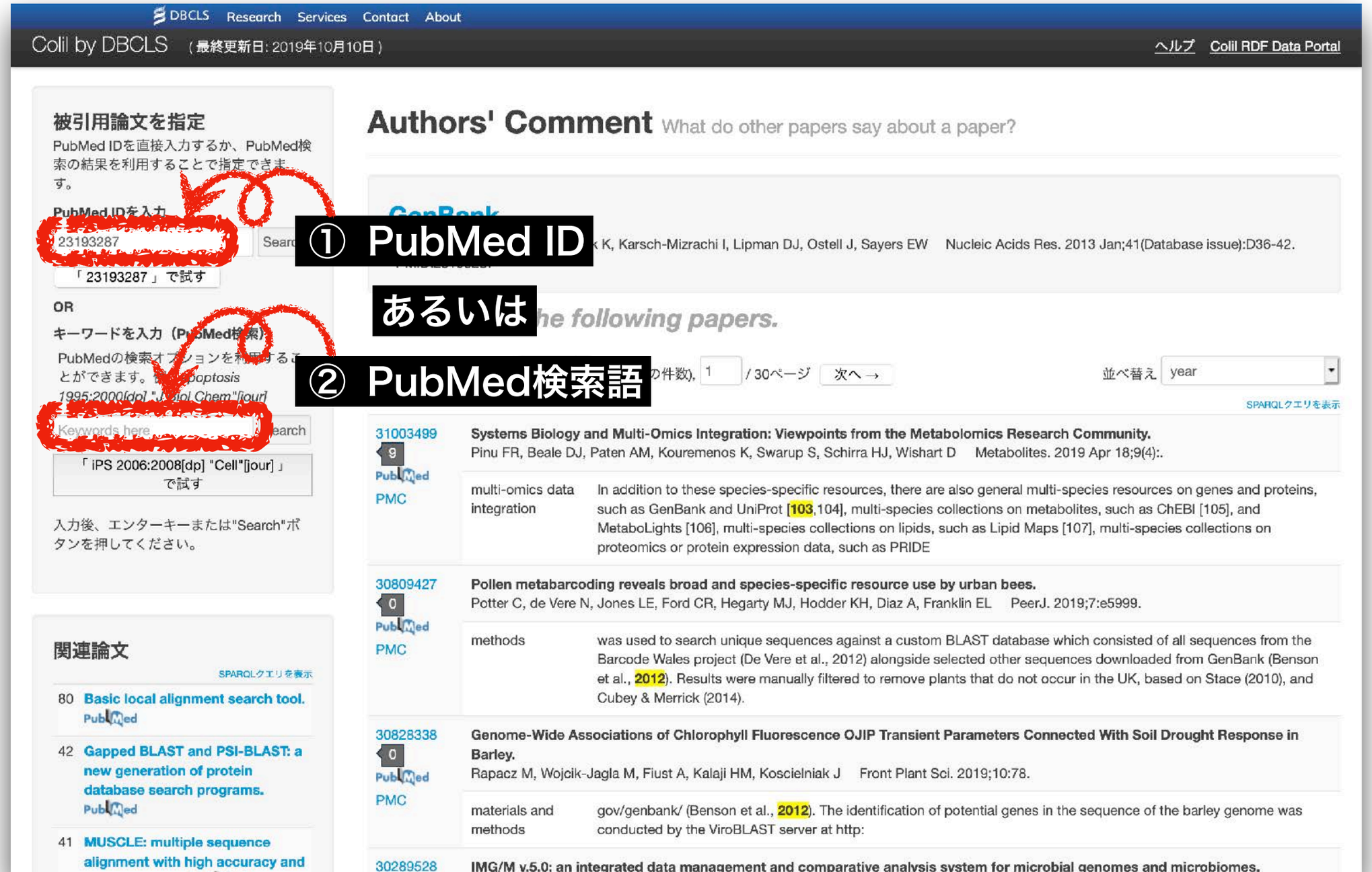
Colilは論文Aの
PubMed IDを入力と
して関連論文や引用文
を出力する



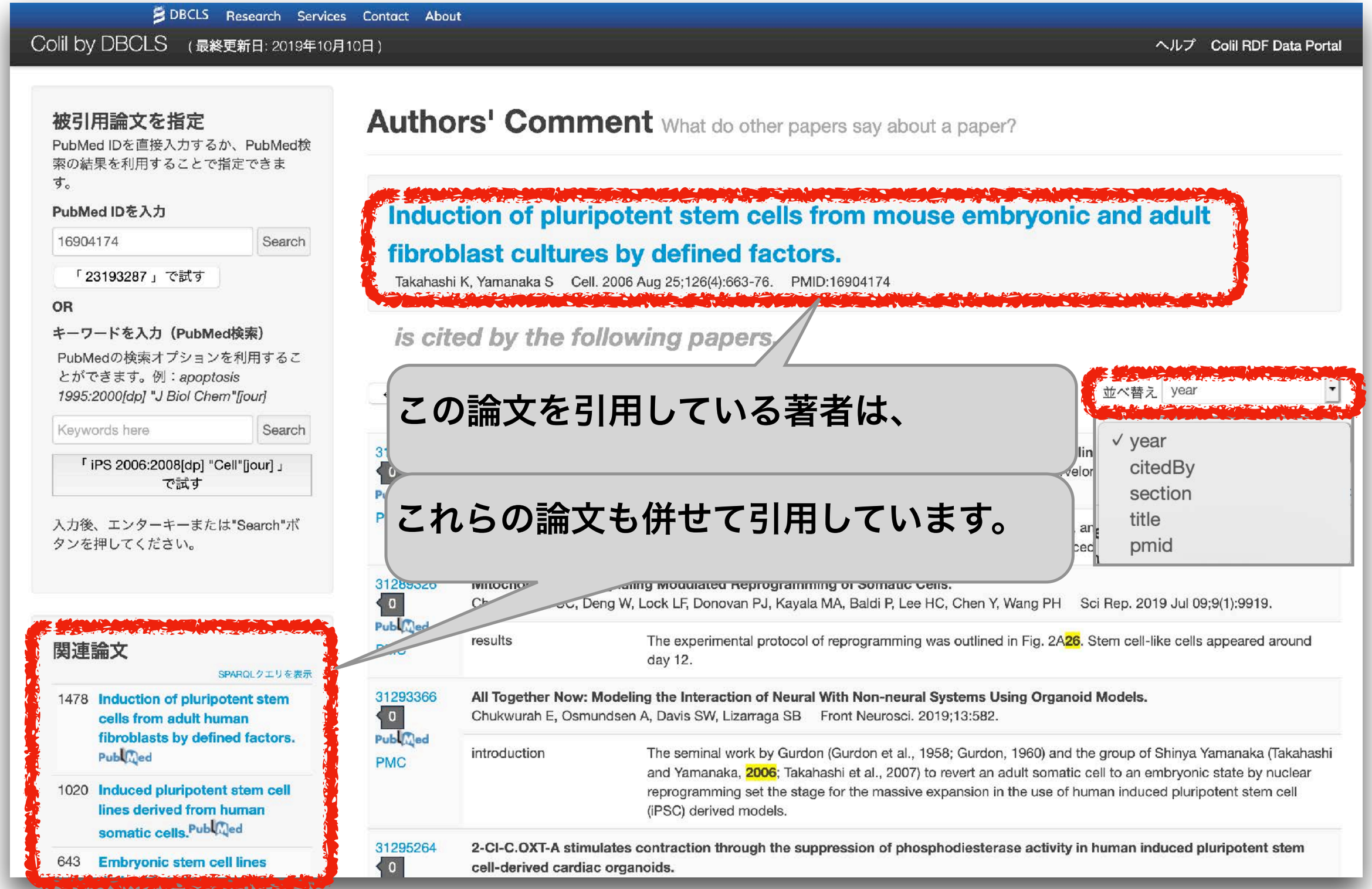
論文Aを引用する論文
から引用される論文群

論文Aを引用する関連論文群

PubMed IDかPubMed検索語を入力



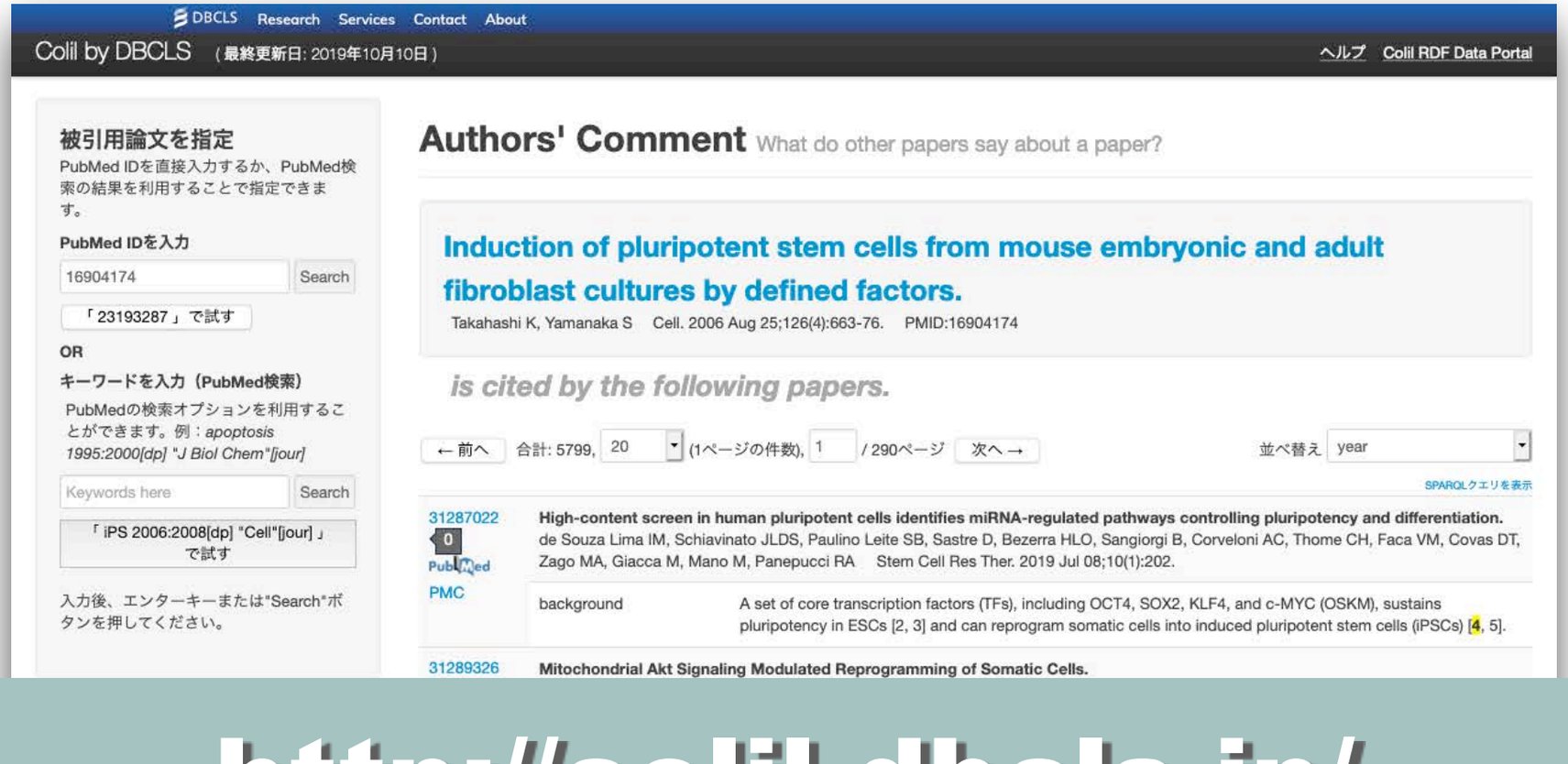
http://colil.dbcls.jp/browse/papers/23193287/1/20/year



http://colil.dbcls.jp/browse/papers/16904174/1/20/year

発展的な使い方

- ftpでデータベースのダウンロードが無料で可能
- APIにより利用者の開発したプログラムから検索可能
  - REST / SPARQL
  - http://colil.dbcls.jp/



http://colil.dbcls.jp/

COLIL 検索

動画チュートリアル(統合TV)

YouTube版を視聴できない方はオリジナル版ファイル(mov形式)をダウンロードして、ご覧ください。

Colilは、生命科学分野の文献間の引用関係を検索・閲覧できるサービスです。ある論文について、他の論文が本文中でどのように引用し記述しているかを、効率的に調べることができます。検索例やデータの詳細については、Colil Data Portalにまとめられています。

この動画を引用する際はDOIをご利用ください。 DOI: 10.7875/togotv.2015.015

http://togotv.dbcls.jp/20150207.html

Questions?

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@yayamamo