

CAS SciFinder® CAS LEXICON

化学情報協会 情報事業部
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CAS Lexiconとは

CAS SciFinder の文献情報由来の統制語シソーラス

CAS Lexicon を使った検索のメリット

- 主題に限定した的確な文献検索が可能
- 目的の統制語だけでなく、下位語や関連語も含めての検索が可能

統制語の検索

検索式の作成

操作方法

統制語を利用することで網羅的な検索が可能

Step 1 : CAS Lexicon をクリック

Step 2 : タームを入力
例) Novel coronavirus pneumonia で検索

Step 3 : 統制語の選択
例) COVID-19 が統制語
下位語も検索に含める

Step 4 : 検索式への追加

Step 5 : 検索の実行

複数の統制語を追加する場合は演算子を選択可能

統制語とは

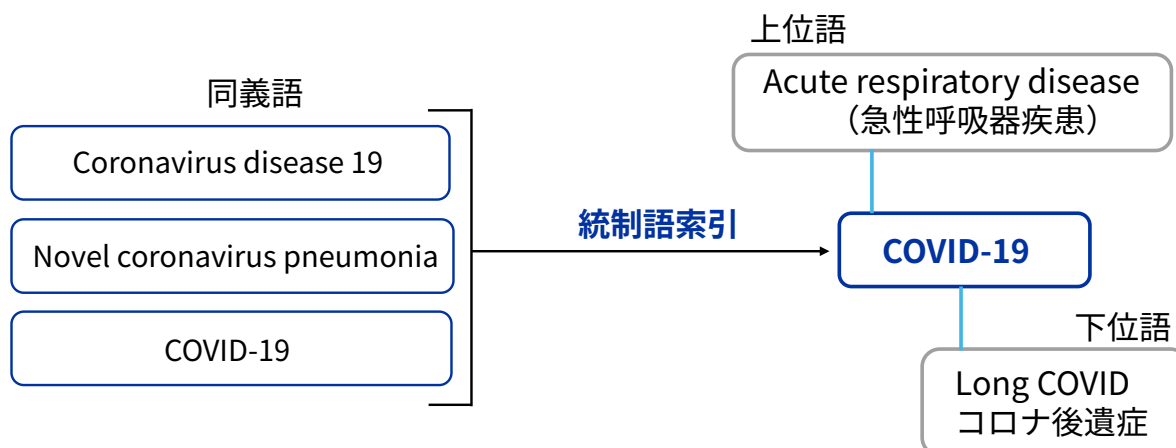
統制語を利用することで的確な検索が可能

統制語

- 統制語は一つの概念を一つの語で表現するように統制された語

統制語のシソーラス

- 統制語は上位語・下位語、同義語などの階層関係を有している



統制語索引 (文献の主題)

統制語索引は CAS Concepts に収録される

Time-varying transmission dynamics of Novel Coronavirus Pneumonia in China

In this Reference

- CAS Concepts
- Cited Documents

By: Liu, Tao; Hu, Jianxiang; Xia, Meng; Alping, et al

DOI: 10.1101/2020.01.25.9197

文献中の表記は Novel coronavirus pneumonia

Rationale: Several studies have estimated basic production number of novel coronavirus pneumonia (NCP). However, the time-varying transmission dynamics of NCP during the outbreak remain unclear. Objectives: We aimed to estimate the basic and time-varying transmission dynamics of NCP across China, and compared them with SARS. Methods: Data on NCP cases by Feb. 7, 2020 were collected from epidemiol. investigations or official websites. Data on severe acute respiratory syndrome (SARS) cases in Guangdong Province, Beijing and Hong Kong during 2002-2003 were also obtained. We estimated the doubling time, basic reproduction number (R_0) and time-varying reproduction number (R_t) of NCP and SARS. Measurements and main results: As of Feb. 7, 2020, 34,598 NCP cases were identified in China, and daily confirmed cases of NCP nationwide was 2.4 days which was shorter than that of SARS in Guangdong (14.3 days), Hong Kong (13.3 days), and Beijing ($R_0=2.6$). The R_t for NCP continuously decreased especially after Jan. 16 nationwide. The R_t for SARS in Guangdong was 0.6, and the R_t values were less than 1 during the epidemic. Conclusions: The efforts of containing the outbreak are effective. However, the efforts are needed to persist in for reducing time-varying reproduction number below one.

CAS Concepts

Coronavirus infection

COVID-19

Mathematical methods

Severe acute respiratory syndrome

Epidemiology

Severe acute respiratory syndrome coronavirus 2

CAS Concepts は COVID-19 に統制されて索引

CAS のアナリストが原報を読み、著者や発明者が強調している点、文献の主題に関わる概念を索引

キーワード検索と CAS Lexicon からの検索との違い

キーワード検索の検索対象

Good Afternoon

The effect of antibiotic residues on dairy products

Featured Search

- Prior Art Discovery: Discover prior art in patents and non-patent literature using AI-enhanced search technologies.
- Patent Markush: Search Patent Markush by structure and view associated references.
- Advanced Search: Select data fields and search operators to create a focused query.
- Retrosynthetic Analysis: Make reaction plans with conditions, yields, catalysts, and experimental procedures.
- Search CAS Lexicon: Build powerful searches using CAS concepts, chemical classes, and taxonomy.
- Search CAS Sequences: Query BLAST, CDR, and Motif algorithms for nucleotide and protein based sequences.

タイトル、抄録、索引情報を検索するので網羅的な検索に適している一方、ノイズも多くなる

タイトル

抄録 (Abstract)

書誌情報*

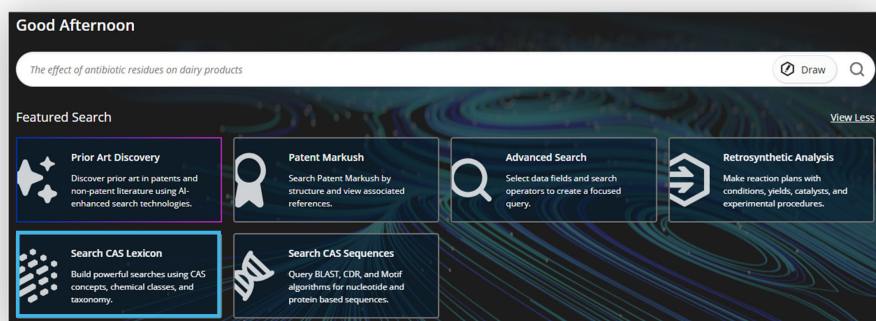
統制語索引 (主題)

物質索引 (物質)

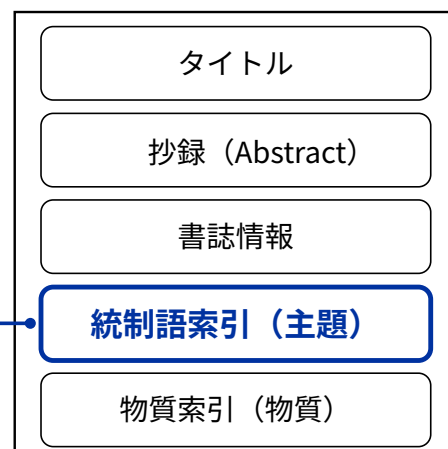
* 一部対象外
クレームは検索対象外

キーワード検索と CAS Lexicon からの検索との違い

CAS Lexicon 検索の検索対象



統制語索引のみを検索対象とするため、適合性が高い回答を得られる



JAICI ヘルプデスク

0120-003-462 (平日 9:00-17:00)

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