



新 Web of Science Core Collection

碩睿資訊有限公司 教育訓練部門講師
Jamie Yen

研究進程

蒐集



背景知識補充

Web of Science

- SCI
- SSCI
- A&HCI
-

分析



篩選重要資料

Essential Science Indicators

- Web of Science
- Citations
- Usage
- You may also like...

創新



提出關聯思考

Web of Science

- Refine Results
- Citation Network
- Analyze Results
- Citation Report
- Create Alert

高效撰寫工具 引用

EndNote
EndNote Click



期刊選擇指引 投稿



Journal Citation Reports

- Journal Impact Factor, JIF
-

Master Journal List, MJL

EndNote Online

- Match

接軌國際研究 行銷

Publons
Beamplots



大綱

01.

精挑細選
發掘核心研究.

02.

分析報告
發想創新主題.

03.

高效追蹤
聚焦趨勢研究.



大綱

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蒐集文獻的思維

知識爆炸時代的挑戰



資料太多

可用的有限...





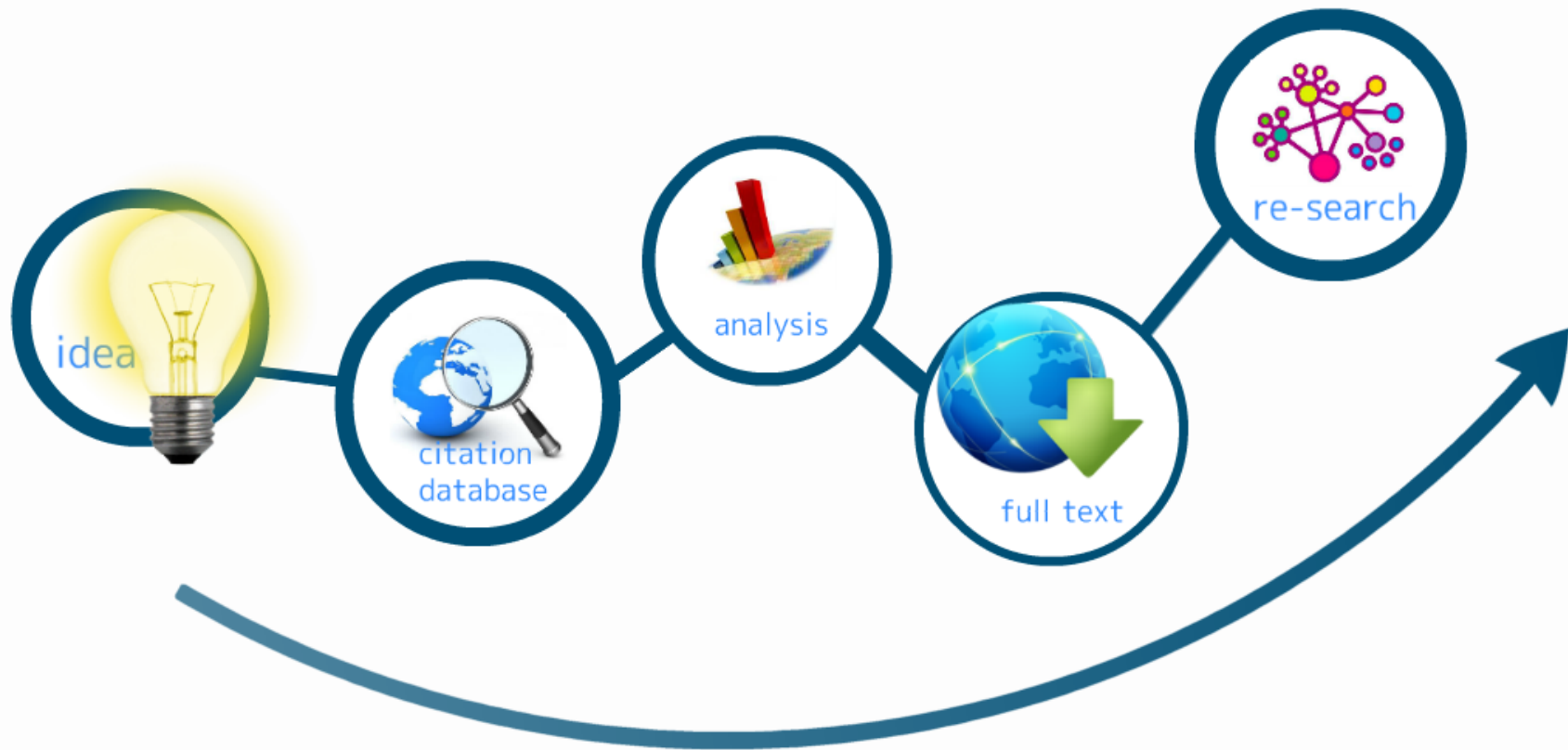
亂槍打鳥，見樹不見林！



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國際認可工具



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2020年2月

全球研究報告 書目計量資料庫的價值： 超越檢索與發現的 數據密集型研究

Jonathan Adams · David Pendlebury 和 Martin Szomszor



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全世界領域研究 最常使用的 大數據來源



話說從頭 從50年代開始...

Science, Vol:122, No:3159, p.108-111, July 15, 1955

Citation Indexes for Science:

A New Dimension in Documentation through Association of Ideas

Eugene Garfield, Ph.D.



引文索引

檢索新工具



文獻

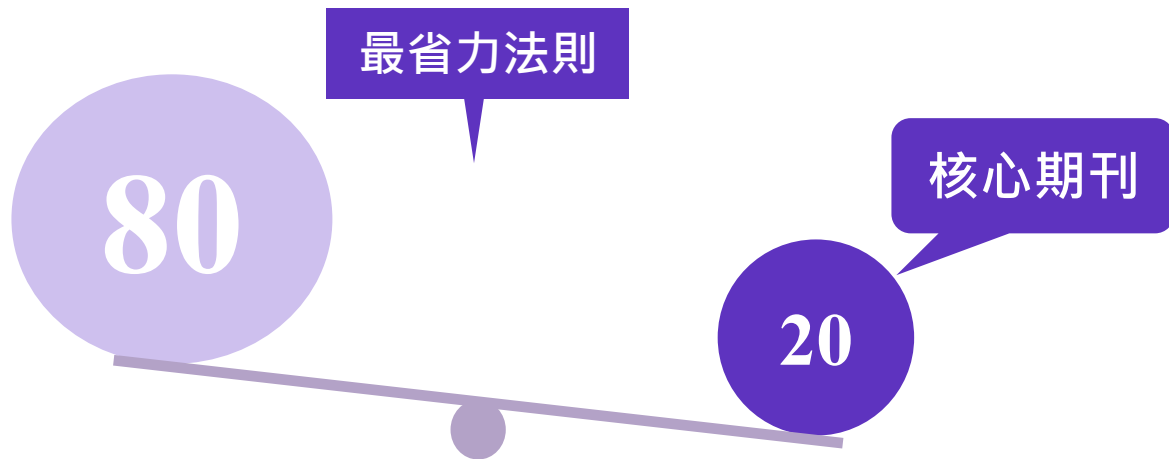
檢索新單位

Eugene Garfield

Founder of Web of Science



讀得多不如讀得巧



布萊德福定律 Bradford's Law

特定學科之**重要學術成果**集中在
相對少數的期刊當中



囊括領域內兼具品質與影響力期刊

1. 初步篩選	2. 編輯篩選	3. 編輯評估	
品質標準			影響力標準
<ul style="list-style-type: none">✓ ISSN✓ 期刊名稱✓ 期刊出版商✓ URL (電子期刊)✓ 內容存取✓ 具備同儕評閱政策✓ 詳細聯繫方式	<ul style="list-style-type: none">✓ 學術內容✓ 英文版文章標題和摘要✓ 以羅馬拼音標示的參考書目資訊✓ 語言表述清晰✓ 及時性和 / 或出版量✓ 網站功能性 / 期刊格式✓ 具有道德聲明✓ 詳細的編輯機構資訊✓ 詳細的作者機構資訊	<ul style="list-style-type: none">✓ 編輯委員會組成✓ 聲明有效性✓ 同儕評閱✓ 內容相關性✓ 詳細的基金資助資訊✓ 遵守學術共同體標準✓ 作者分佈✓ 適當的文獻引用	<ul style="list-style-type: none">✓ 比較性引文分析✓ 作者引文分析✓ 編委引文分析✓ 內容重要性

What is Web of Science?



小孩才做選擇！
期刊、書籍、
會議論文集
我全都要！

Science Citation Index Expanded™, SCIE
收錄自1900年至今，約9,200份影響力期刊
涵蓋178個科學領域，超過5,300萬筆文獻記
錄，總計建立11.8億筆以上引用參考文獻。

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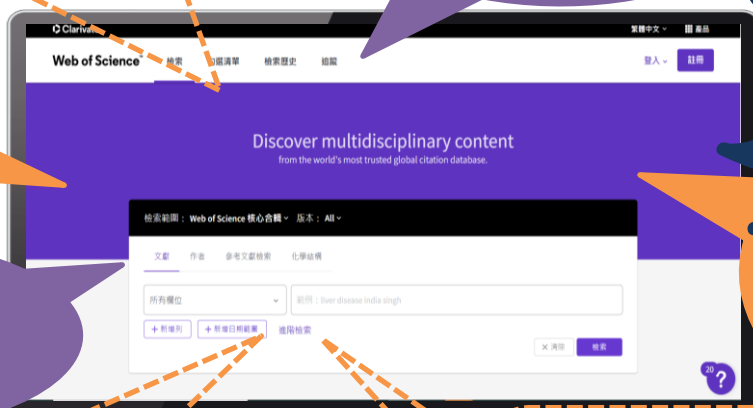
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1.22億條以上引用參考文獻。

Arts & Humanities Citation Index™, A&
HCI 收錄自1975年至今，約1,800份影
響力期刊涵蓋28個藝術人文領域，超過490
萬筆文獻記錄，總計建立3,300百萬條以
上引用參考文獻。

每份期刊的每篇文章
和所有引用參考文獻
皆已建立索引，形成
最全面又完整的引文
網絡。可進行深度探
索和權威評鑑。



Web of Science 首頁

Web of Science



The screenshot shows the Web of Science homepage with several annotations:

- Top Right:** A red box highlights the "產品" (Products) menu, with a callout box listing various services: Web of Science, Web of Science (Classic), Master Journal List, Publons, InCites Benchmarking & Analytics, Journal Citation Reports™, Essential Science Indicators, Reference Manager, EndNote, and EndNote Click. A red label "切換功能或資料庫" (Switch function or database) points to this menu.
- Navigation Bar:** A green box highlights the search-related links: "檢索" (Search), "勾選清單" (Checklist), "檢索歷史" (Search history), and "追蹤" (Track). A green label "功能切換" (Function switch) points to this area.
- User Account:** A green box highlights the "登入" (Login) and "註冊" (Register) buttons. A green label "個人化帳戶登錄管理" (Personalized account login management) points to this area.
- Search Interface:** The main search area is visible, showing the search range "Web of Science 核心合輯" and "版本: All". The search type is set to "文獻" (Literature), and the search term is "範例: liver disease india singh". There are buttons for "+ 新增列" (Add column), "+ 新增日期範圍" (Add date range), "進階檢索" (Advanced search), "清除" (Clear), and "檢索" (Search).
- Bottom Right:** A blue circular icon with the number "20" and a question mark is present.

Web of Science



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檢索範圍: Web of Science 核心合輯 版本: All

所有資料庫	<input checked="" type="checkbox"/> Arts & Humanities Citation Index (A&HCI)--1975-目前
Web of Science 核心合輯	<input checked="" type="checkbox"/> Book Citation Index - Science (BKCI-S)--2005-目前
Biological Abstracts	<input checked="" type="checkbox"/> Book Citation Index - Social Sciences & Humanities (BKCI-SSH)--2005-目前
BIOSIS Citation Index	<input checked="" type="checkbox"/> Conference Proceedings Citation Index - Science (CPCI-S)--2005-目前
BIOSIS Previews	<input checked="" type="checkbox"/> Conference Proceedings Citation Index - Social Sciences & Humanities (CPCI-SSH)--2005-目前
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Chinese Science Citation Database™	<input checked="" type="checkbox"/> Emerging Sources Citation Index (ESCI)--2005-目前
CABI : CAB Abstracts® 和 Global Health™	<input checked="" type="checkbox"/> Index Chemicus (IC)--1993-目前
Data Citation Index	<input checked="" type="checkbox"/> Science Citation Index Expanded (SCI-EXPANDED)--1900-目前
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× 清除 檢索

文獻被WoS索引日期

20 ?

提供系統功能新知通報及反饋

透過篩選與排序聚焦重點文獻



Refined Results

檢索 文獻類型

全選 計數 ▾

<input type="checkbox"/> Articles	54,427
<input type="checkbox"/> Review Articles	12,087
<input type="checkbox"/> Editorial Materials	4,683
<input type="checkbox"/> Early Access	4,031
<input type="checkbox"/> Letters	3,426
<input type="checkbox"/> Proceedings Papers	988
<input type="checkbox"/> Meeting Abstracts	678
<input type="checkbox"/> News Items	409
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<input type="checkbox"/> Corrections	254
<input type="checkbox"/> Notes	202
<input type="checkbox"/> Data Papers	52
<input type="checkbox"/> Book Reviews	~

查看較少

Review Articles

透過資深研究者的視角瞭解過去主題重點文獻與進展。

Editorial Materials

追蹤期刊熱點議題討論。

Early Access

指已確定為期刊收錄並有固定DOI與線上出版日期，但尚無最終卷期號或頁碼資訊之文獻。

Proceeding Papers

掌握研究發表方向與契機。



Refined Results

作者



<input type="checkbox"/> Zhang Y	414
<input type="checkbox"/> Wang Y	410
<input type="checkbox"/> Li Y	346
<input type="checkbox"/> Wang J	341
<input type="checkbox"/> Liu Y	340

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作者

從高發表作者發現此研究主題的資深研究者及其相關研究。

隸屬機構



<input type="checkbox"/> HARVARD UNIVERSITY	1,834
<input type="checkbox"/> UNIVERSITY OF CALIFORNIA SYSTEM	1,776
<input type="checkbox"/> UNIVERSITY OF LONDON	1,542
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隸屬機構

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Refined Results

出版品名稱



- Journal Of Virology 1,260
- Plos One 901
- Journal Of Medical Virology 875
- International Journal Of Environmental ... 831
- Cureus 818

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出版品名稱

看到在本主題研究較多發表在哪些期刊。

贊助機構



- United States Department Of Health H... 6,148
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- National Natural Science Foundation O... 3,663
- Nih National Institute Of Allergy Infecti... 2,361
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<input type="checkbox"/> Green Submitted	6,638

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Web of Science™ 檢索 勾選清單 4 檢索歷史 追蹤 Fion Lee

檢索 > 檢索結果 > 建議的結果

Web of Science 核心合輯中有 49 個建議結果：

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- 熱門論文 1
- Review Articles New 8
- 開放取用 43
- 關聯資料 4

0/49 新增至勾選清單 匯出

相關性 < 1 / 1 >

1 SYBR Green real-time reverse transcription-polymerase chain reaction assay for the generic detection of coronaviruses 59 引用文獻

Escutenaire, S; Mohamed, N; (...); Blomberg, J
Jan 2007 | ARCHIVES OF VIROLOGY

41 參考文獻

Coronaviruses are etiologic agents of respiratory and enteric diseases in humans and in animals. In this study, a one-step real-time reverse transcription-polymerase chain reaction (RT-PCR) assay based on SYBR Green chemistry and degenerate primers was developed for the generic detection of coronaviruses. The primers, designed in the open reading fr ... 顯示更多

S·F·X 來自出版商的免費全文 ... 相關記錄

根據匿名使用數據分析，列出使用者點按文獻後，再點按其它文獻時，即建立相似主題關聯，而當該關聯次數高達百萬次，即列入。



排序聚焦重點文獻1：被引用次數

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Web of Science 核心合輯中有 76,703 個結果：

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複製查詢結果連結

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- 熱門論文 811
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- Early Access 4,031
- 開放取用 65,069
- 關聯資料 921

0/76,703 新增至勾選清單 匯出

使用情況 (所有時間)：最多優先 < 1 / 1,535 >

1 Clinical features of patients infected with 2019 novel coronavirus
Huang, CL; Wang, YM; (...); Cao, B
Feb 15 2020 | LANCET

Background A recent cluster of pneumonia cases in Wuhan, China, was caused by a novel coronavirus (2019-nCoV). We report the epidemiological, clinical, laboratory, and clinical outcomes of these patients.

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相關性

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- 出版日期：最舊優先
- 引用文獻：最高優先
- 引用文獻：最低優先
- 使用情況 (所有時間)：最多優先
- 使用情況 (過去 100 天)：最多優先

15,423 引用文獻

37 參考文獻

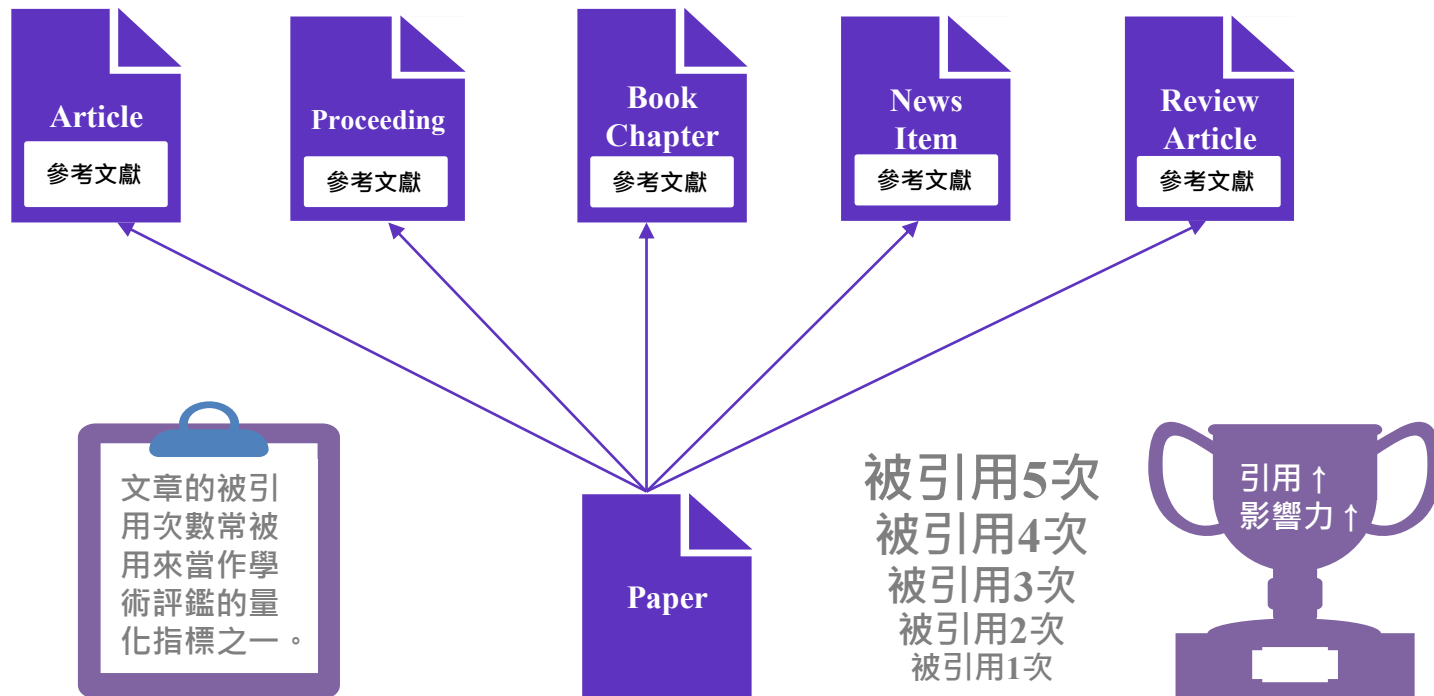
相關記錄

最近新增

- 研討會名稱：A 到 Z
- 研討會名稱：Z 到 A



使用情況(所有時間)：被引用次數



參考來源：<http://tul.blog.ntu.edu.tw/archives/10819>

排序聚焦重點文獻2：全球用戶



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0/76,703 新增至勾選清單 匯出

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- 出版日期：最新優先
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- 引用文獻：最高優先
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- 使用情況 (所有時間)：最多優先
- 使用情況 (過去 180 天)：最多優先**
- 最近新增
- 研討會名稱：A 到 Z
- 研討會名稱：Z 到 A

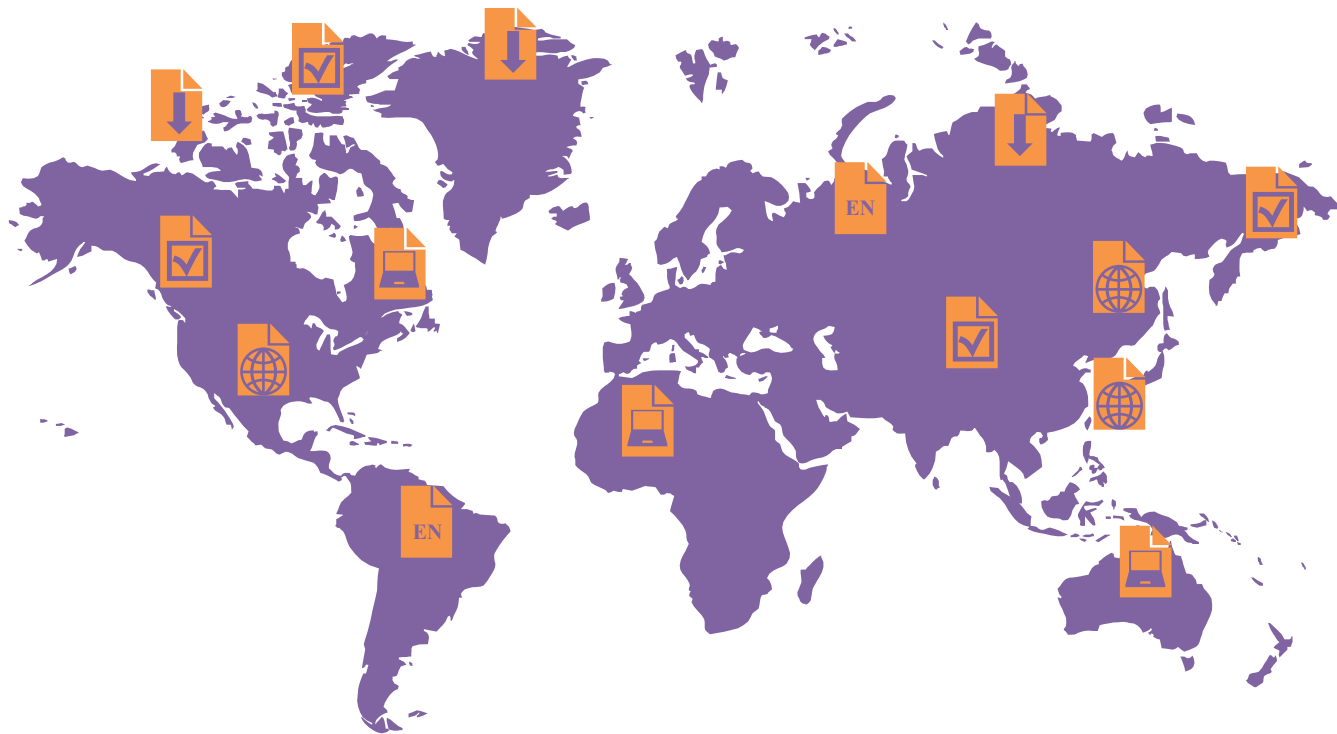
15 參考文獻

相關記錄

1 Computer-aided approaches reveal trihydroxochroman and pyridone inhibitors of SARS-CoV-2 virus main protease
Atatreh, N.; Hasan, S.; (...); Ghattas, MA
Sep 2021 | ACTA PHARMACEUTICA
COVID-19 was declared a pandemic by the World Health Organization (WHO) in March 2020. The aim of this study is to identify potential inhibitors of the SARS-CoV-2 main protease (M-pro) via structure-based virtual screening. Consequently, > 580,000 ligands were screened. The results show that the trihydroxochroman and pyridone derivatives are potential inhibitors of the SARS-CoV-2 main protease. The trihydroxochroman derivative is a potent inhibitor of the SARS-CoV-2 main protease. The pyridone derivative is a potent inhibitor of the SARS-CoV-2 main protease. The trihydroxochroman derivative is a potent inhibitor of the SARS-CoV-2 main protease. The pyridone derivative is a potent inhibitor of the SARS-CoV-2 main protease.

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善用引用文獻網路



作者資訊

Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China

作者: Huang, CL (Huang, Chaolin)¹; Wang, YM (Wang, Yeming)^{2, 5, 6}; Li, XW (Li, Xingwang)⁷; Ren, LL (Ren, Lili)⁸; Zhao, JP (Zhao, Jianping)¹⁰; Hu, Y (Hu, Yi)¹¹; Zhang, L (Zhang, Li)¹; Fan, GH (Fan, Guohui)^{2, 3, 5}; Xu, JY (Xu, Jiuyang)¹²; Gu, XY (Gu, Xiaoying)^{2, 3, 5}; ... 更多

檢視 Web of Science ResearcherID 和 ORCID (Clarivate 提供)

LANCET

卷冊: 395 期: 10223 頁面: 497-506

DOI: 10.1016/S0140-6736(20)30183-5

出版時間: FEB 15 2020

文獻類型: Article

期刊資訊

摘要

Background A recent cluster of pneumonia cases in Wuhan, China, was caused by a novel betacoronavirus, the 2019 novel coronavirus (2019-nCoV). We report the epidemiological, clinical, laboratory, and radiological characteristics and treatment and clinical outcomes of these patients.

Methods All patients with suspected 2019-nCoV were admitted to a designated hospital in Wuhan. We prospectively collected and analysed data on patients with laboratory-confirmed 2019-nCoV infection by real-time RT-PCR and next-generation sequencing. Data were obtained with standardised data collection forms shared by WHO and the International Severe Acute Respiratory and Emerging Infection Consortium from electronic medical records. Researchers also directly communicated with patients or their families to ascertain epidemiological and symptom data. Outcomes were also compared between patients who had been admitted to the intensive care unit (ICU) and those who had not.

Findings By Jan 2, 2020, 41 admitted hospital patients had been identified as having laboratory-confirmed 2019-nCoV infection. Most of the infected patients were men (30 [73%] of 41); less than half had underlying diseases (13 [32%]), including diabetes (eight [20%]), hypertension (six [15%]), and cardiovascular disease (six [15%]). Median age was 49.0 years (IQR 41.0-58.0). 27 (66%) of 41 patients had been exposed to Huanan seafood market. One family cluster was found. Common symptoms at onset of illness were fever (40 [98%] of 41 patients), cough (31 [76%]), and myalgia or fatigue (18 [44%]); less common symptoms were sputum production (11 [28%] of 39), headache (three [8%] of 38), haemoptysis (two [5%] of 39), and diarrhoea (one [3%] of 38). Dyspnoea developed in 22 (55%) of 40 patients (median time from illness onset to dyspnoea 8.0 days [IQR 5.0-13.0]). 26 (63%) of 41 patients had lymphopenia. All 41 patients had pneumonia with abnormal findings on chest CT. Complications included acute respiratory distress syndrome (12 [29%]), RNAemia (six [15%]), acute cardiac injury (five [12%]) and secondary infection (four [10%]). 13 (32%) patients were admitted to an ICU and six (15%) died. Compared with non-ICU patients, ICU patients had higher plasma levels of IL2, IL7, IL10, GSCF, IP10, MCP1, MIP1A, and TNF alpha.

Conclusion 2019-nCoV infection caused clusters of severe respiratory illness similar to severe acute respiratory syndrome coronavirus and was associated with high mortality. Major gaps in our knowledge of the origin and transmission of the virus and its clinical spectrum of disease need fulfilment by future studies. Copyright (C) 2020 Elsevier Ltd. All rights reserved.

關鍵字

Keywords Plus: EAST RESPIRATORY SYNDROME; INFLAMMATORY CYTOKINES; SARS

作者資訊

通訊地址: Wang, Jianwei (通訊作者)

▼ Chinese Acad Med Sci & Peking Union Med Coll, NHC Key Lab Syst Biol Pathogens & Christophe Meri, Inst Pathogen Biol, Beijing 100730, Peoples R China

通訊地址: Cao, Bin (通訊作者)

▼ China Japan Friendship Hosp, Dept Pulm & Crit Care Med, Beijing 100029, Peoples R China

地址:

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eISSN: 1474-547X

現行出版商: ELSEVIER SCIENCE INC, STE 800, 230 PARK AVE, NEW YORK, NY 10169

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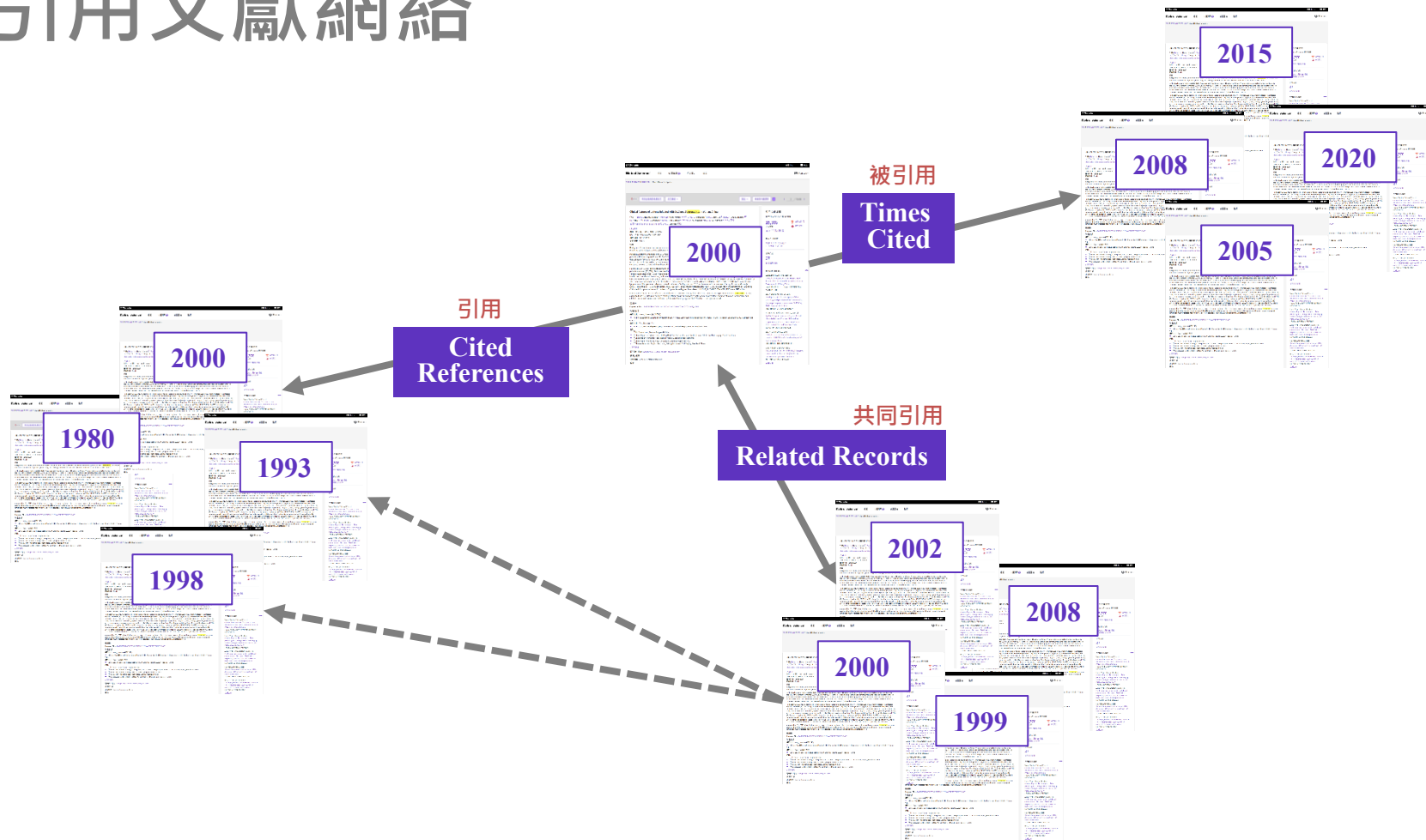
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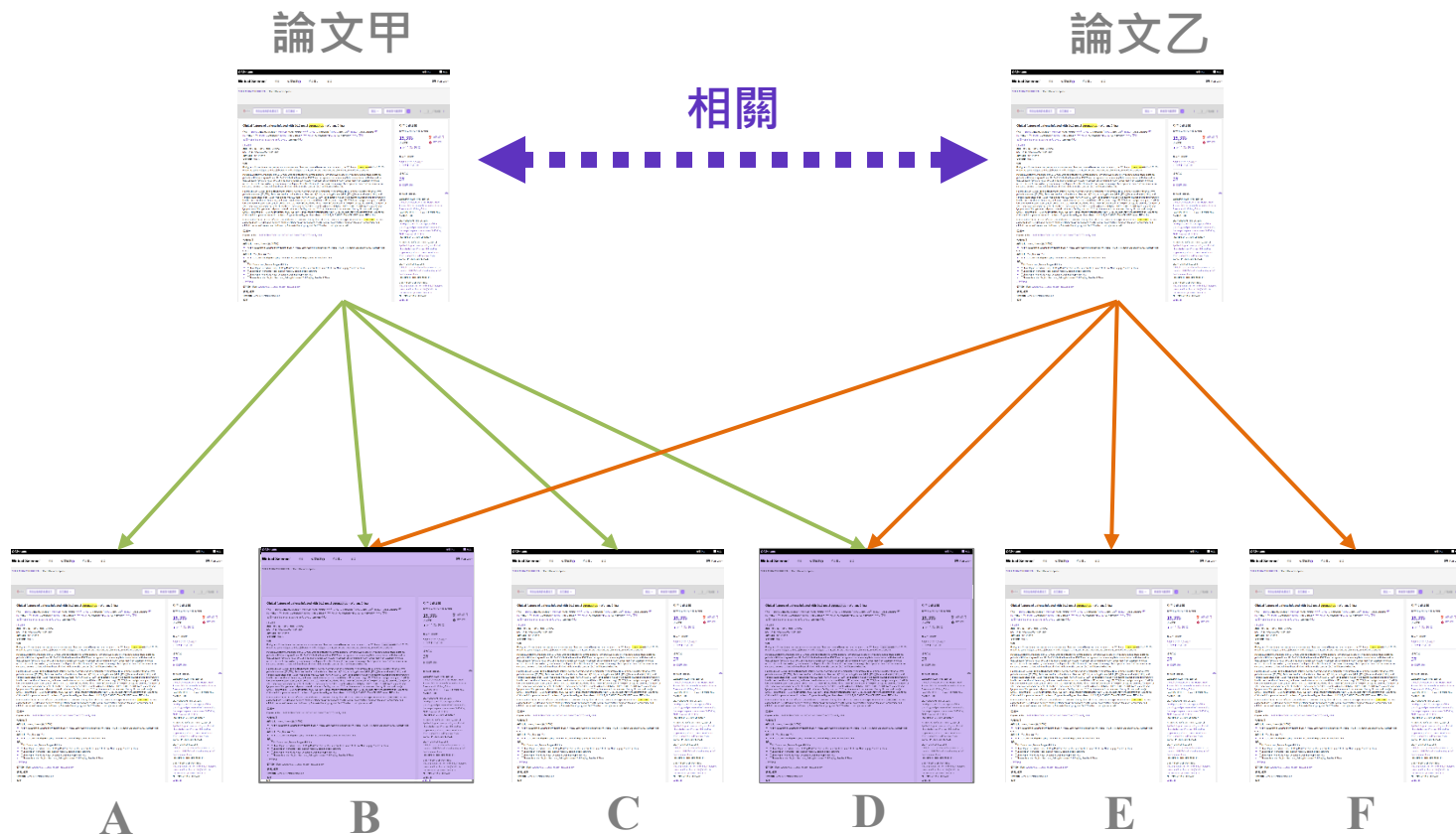
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Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China

作者: Huang, CL (Huang, Chaolin)¹; Wang, YM (Wang, Yeming)^{2, 5, 6}; Li, XW (Li, Xingwang)⁷; Ren, LL (Ren, Lili)⁸; Zhao, JP (Zhao, Jianping)¹⁰; Hu, Y (Hu, Yi)¹¹; Zhang, L (Zhang, Li)¹; Fan, GH (Fan, Guohui)^{2, 3, 5}; Xu, JY (Xu, Jiuyang)¹²; Gu, XY (Gu, Xiaoying)^{2, 3, 5}; ... 更多
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卷冊: 395 期: 10223 頁面: 497-506

DOI: 10.1016/S0140-6736(20)30183-5

出版時間: FEB 15 2020

文獻類型: Article

摘要

Background A recent cluster of pneumonia cases in Wuhan, China, was caused by a novel betacoronavirus, the 2019 novel coronavirus (2019-nCoV). We report the epidemiological, clinical, laboratory, and radiological characteristics and treatment and clinical outcomes of these patients.

Methods All patients with suspected 2019-nCoV were admitted to a designated hospital in Wuhan. We prospectively collected and analysed data on patients with laboratory-confirmed 2019-nCoV infection by real-time RT-PCR and next-generation sequencing. Data were obtained with standardised data collection forms shared by WHO and the International Severe Acute Respiratory and Emerging Infection Consortium from electronic medical records. Researchers also directly communicated with patients or their families to ascertain epidemiological and symptom data. Outcomes were also compared between patients who had been admitted to the intensive care unit (ICU) and those who had not.

Findings By Jan 2, 2020, 41 admitted hospital patients had been identified as having laboratory-confirmed 2019-nCoV infection. Most of the infected patients were men (30 [73%] of 41); less than half had underlying diseases (13 [32%]), including diabetes (eight [20%]), hypertension (six [15%]), and cardiovascular disease (six [15%]). Median age was 49.0 years (IQR 41.0-58.0). 27 (66%) of 41 patients had been exposed to Huanan seafood market. One family cluster was found. Common symptoms at onset of illness were fever (40 [98%] of 41 patients), cough (31 [76%]), and myalgia or fatigue (18 [44%]); less common symptoms were sputum production (11 [28%] of 39), headache (three [8%] of 38), haemoptysis (two [5%] of 39), and diarrhoea (one [3%] of 38). Dyspnoea developed in 22 (55%) of 40 patients (median time from illness onset to dyspnoea 8.0 days [IQR 5.0-13.0]). 26 (63%) of 41 patients had lymphopenia. All 41 patients had pneumonia with abnormal findings on chest CT. Complications included acute respiratory distress syndrome (12 [29%]), RNAemia (six [15%]), acute cardiac injury (five [12%]) and secondary infection (four [10%]). 13 (32%) patients were admitted to an ICU and six (15%) died. Compared with non-ICU patients, ICU patients had higher plasma levels of IL2, IL7, IL10, GSCF, IP10, MCP1, MIP1A, and TNF alpha.

Conclusion and high mortality. Major gaps in our knowledge of the origin, epidemiology, duration of human transmission, and clinical spectrum of disease need fulfilment by future studies. Copyright (C) 2020 Elsevier Ltd. All rights reserved.

關鍵字

Keywords Plus: EAST RESPIRATORY SYNDROME; INFLAMMATORY CYTOKINES; SARS

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Yin, L.; Mou, HM; (L.); Wang, HL
Apr 29 2020 | PLOS ONE

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Jun 2021 (早期取閱) | SCIENTOMETRICS

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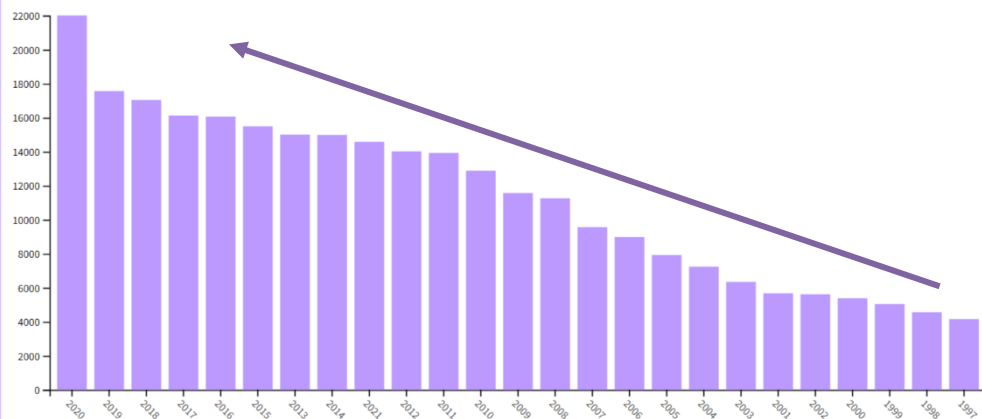
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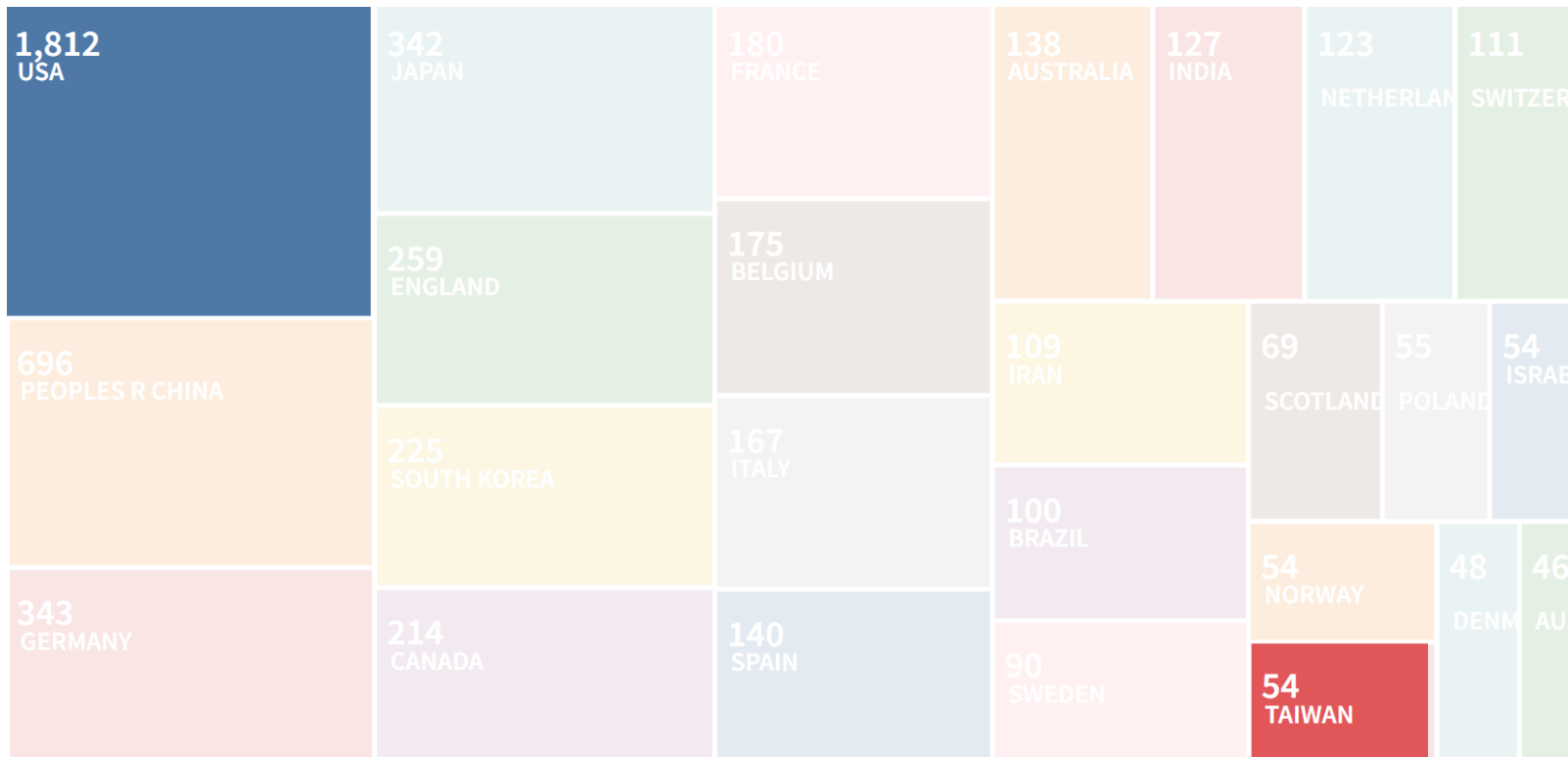
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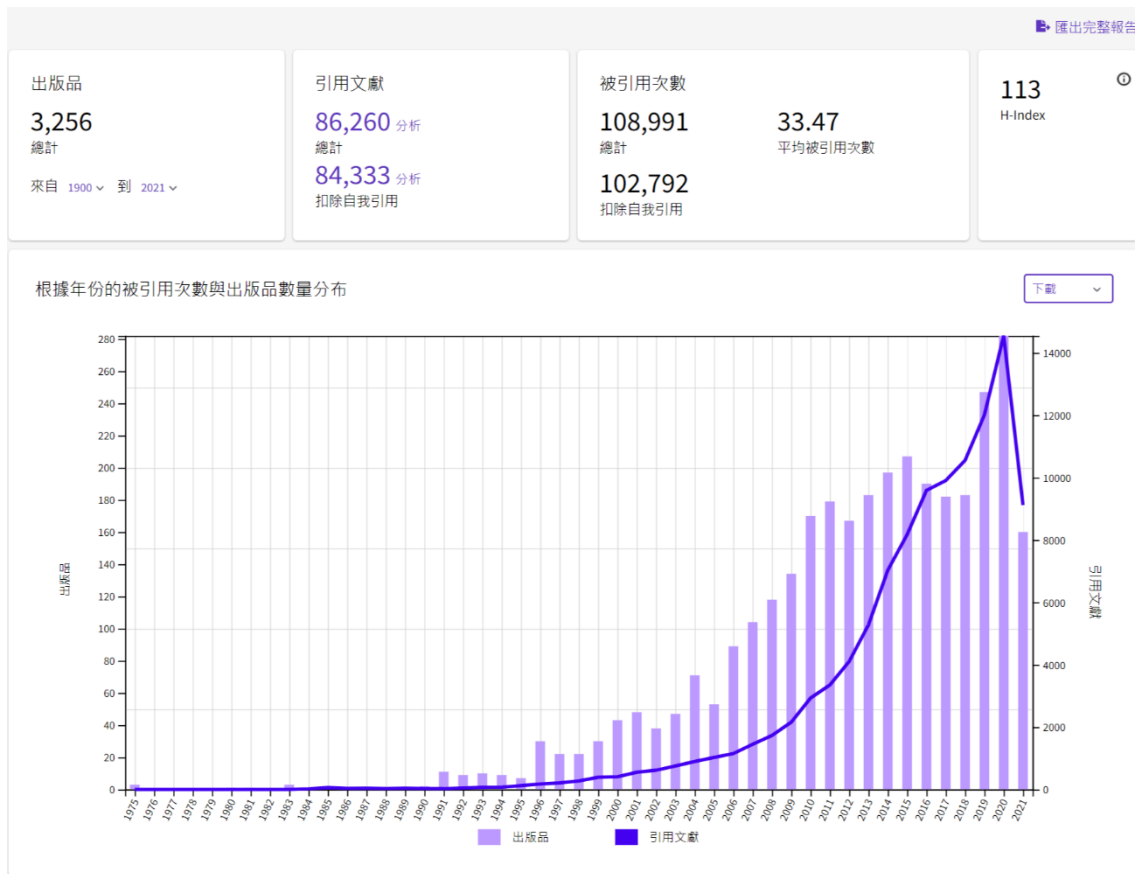
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2	<p>Disability-adjusted life years (DALYs) for 291 diseases and injuries in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010</p> <p>Murray, C.J.L; Vos, T; (...); Lopez, A.D Dec 15 2012 LANCET</p>	699	693	574	535	207	534.9	5,349
3	<p>Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010</p> <p>Vos, T; Flaxman, A.D; (...); Murray, C.J.L Dec 15 2012 LANCET</p>	603	560	585	540	158	435.5	4,355
4	<p>Global, regional, and national age-sex specific all-cause and cause-specific mortality for 240 causes of death, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013</p> <p>Naghavi, M; Wang, H.D; (...); Murray, C.J.L Jan 10 2015 LANCET</p>	899	770	691	560	280	612.14	4,285

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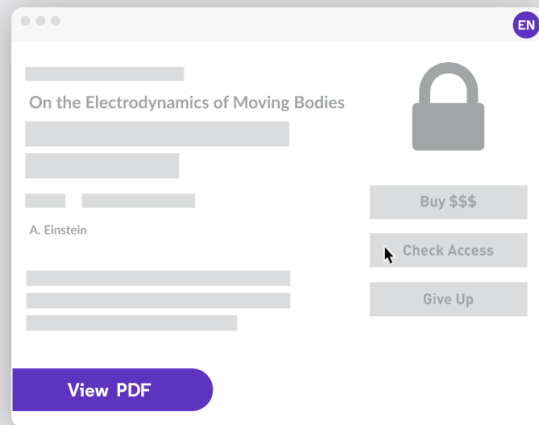
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mRNA-based therapeutics - developing a new class of drugs

作者: Sahin, U (Sahin, Ugur) ^{1, 2}; Kariko, K (Kariko, Katalin) ^{2, 3}; Tureci, O (Tuereci, Oezlem) ¹

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NATURE REVIEWS DRUG DISCOVERY

卷冊: 13 期: 10 頁面: 759-780

DOI: 10.1038/nrd4278

出版時間: OCT 2014

文獻類型: Review

摘要

In vitro transcribed (IVT) mRNA has recently come into focus as a potential new drug class to deliver genetic information. Such synthetic mRNA can be engineered to transiently express proteins by structurally resembling natural mRNA. Advances in addressing the inherent challenges of this drug class, controlling the translational efficacy and immunogenicity of the IVTmRNA, provide the basis for a broad range of potential applications. Cancer immunotherapies and infectious disease vaccines have entered clinical development. Meanwhile, emerging novel applications include the delivery of IVT mRNA to replace or supplement proteins, IVT mRNA-based generation of pluripotent stem cells and genome editing using CRISPR-Cas9. This Review provides a comprehensive overview of the current state of mRNA-based drug development.

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REVIEWS

mRNA-based therapeutics — developing a new class of drugs

Ugur Sahin^{1,2}, Katalin Karikó^{2,3} and Özlem Türeci¹

Abstract | *In vitro* transcribed (IVT) mRNA has recently come into focus as a potential new drug class to deliver genetic information. Such synthetic mRNA can be engineered to transiently express proteins by structurally resembling natural mRNA. Advances in addressing the inherent challenges of this drug class, particularly related to controlling the translational efficacy and immunogenicity of the IVTmRNA, provide the basis for a broad range of potential applications. mRNA-based cancer immunotherapies and infectious disease vaccines have entered clinical development. Meanwhile, emerging novel approaches include *in vivo* delivery of IVT mRNA to replace or supplement proteins, IVT mRNA-based generation of pluripotent stem cells and genome engineering using IVT mRNA-encoded designer nucleases. This Review provides a comprehensive overview of the current state of mRNA-based drug technologies and their applications, and discusses the key challenges and opportunities in developing these into a new class of drugs.

The concept of nucleic acid-encoded drugs was conceived over two decades ago when Wolff *et al.*¹ demonstrated that direct injection of *in vitro* transcribed... access the nucleus to be transcribed into RNA, and their functionality depends on nuclear envelope breakdown during cell division. In addition, IVT mRNA-based ther...

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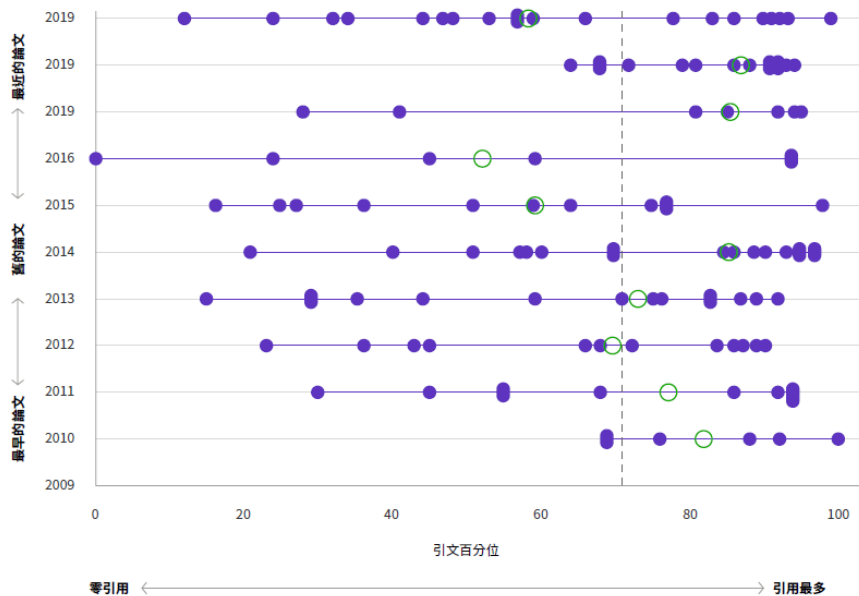
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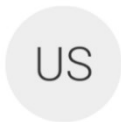
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Sahin, Ugur

Translational Oncology at the University Medical Center of the Johannes Gutenberg University Mainz gGmbH, TRON

Web of Science ResearcherID : L-4818-2017

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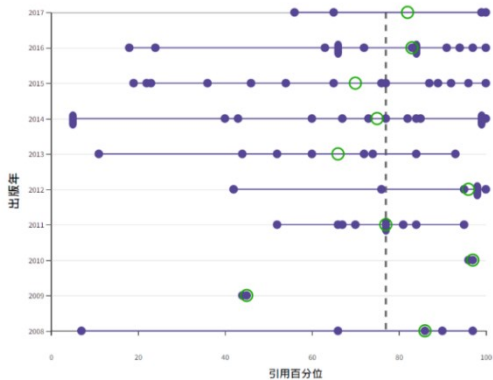
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作者發表別名	Sahin, Ugur Sahin, U Sahin, U. Sabin, Ugur
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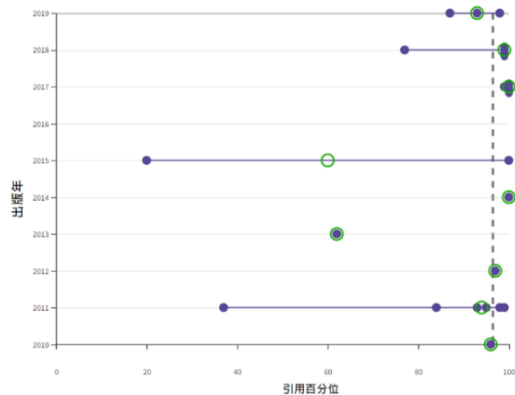
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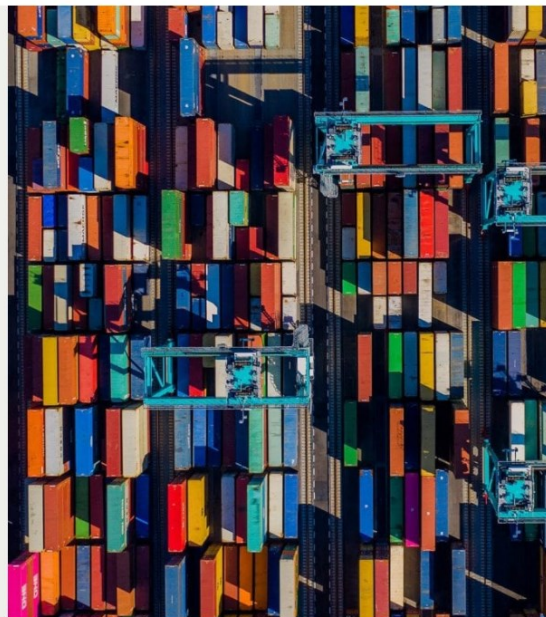
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2020年數位出版與數位圖書館融合發展國際研討會(CDPDL)臺灣分會

活動期間：2020年8月6日

活動內容：自2009年起 CDPDL 為圖書館、出版社、圖資專家提供專業交流平台，展示中文圖書館建設與數位化應用最新進展，並分享最新研究成果。本次研討會以線上方式進行，將探討疫情期間數位資源的最新應用和價值、圖書館創新發展及策略，誠邀邀請您共襄盛舉。

詳情請見：[會議官網](#)

活動特區

用OECD愛地球
尋找幸福劇本

2021年5月10日(一)~
2021年6月11日(五)

2021 OECD iLibrary全球知識庫

2021 OECD iLibrary全球知識庫~用OECD愛地球，尋找幸福劇本！！

活動時間：2021年5月10日~2021年6月30日

活動內容：在今年的《全球幸福報告》中，有一項是自然環境如何提高個人幸福感，而剛巧每年4月22日是著名的「世界地球日」(Earth Day)，歡迎參加2021 OECD iLibrary全球知識庫活動，一起用OECD愛地球，尋找幸福劇本！！

詳情請見：[活動網站](#)



中國經濟社會大數據研究平臺-Open Trial活動

活動時間：2021年03月20日~2021年09月20日

SRS
碩睿資訊電子報



教育訓練資源服務

[詳細課程](#)

2021年度考科監資料庫
全國聯合採購優惠方案
開跑囉

STEM
教育書籍
推薦

碩睿資訊有限公司教育訓練資源服務



碩睿資訊有限公司

教育訓練資源服務



直播課程

線上參與課程，即時和講師互動。



使用手冊

產品說明書，解析操作步驟。



影音教材

產品課程影片，無限次回放複習，手機、電腦皆適用。



意見回饋

提供實質建議，使課程更完善。

