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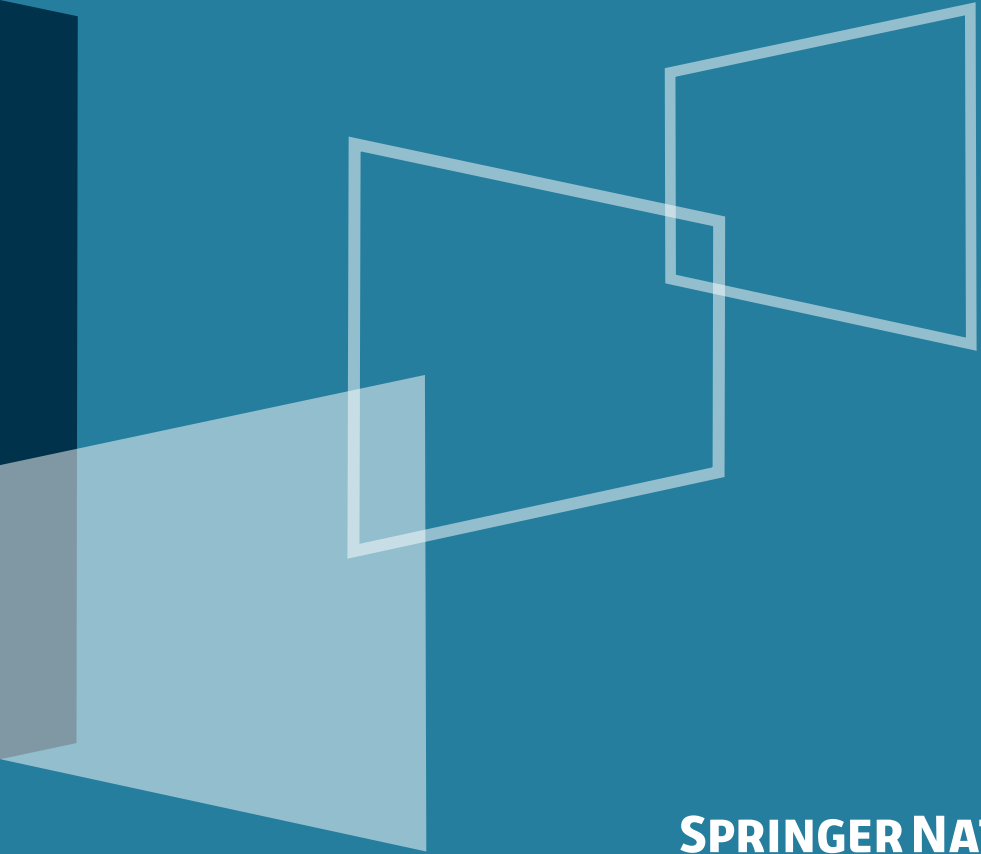
目录

- Springer Nature Link平台资源简介（Springer期刊+Springer图书）
- Nature期刊平台简介
- SpringerProtocols数据库
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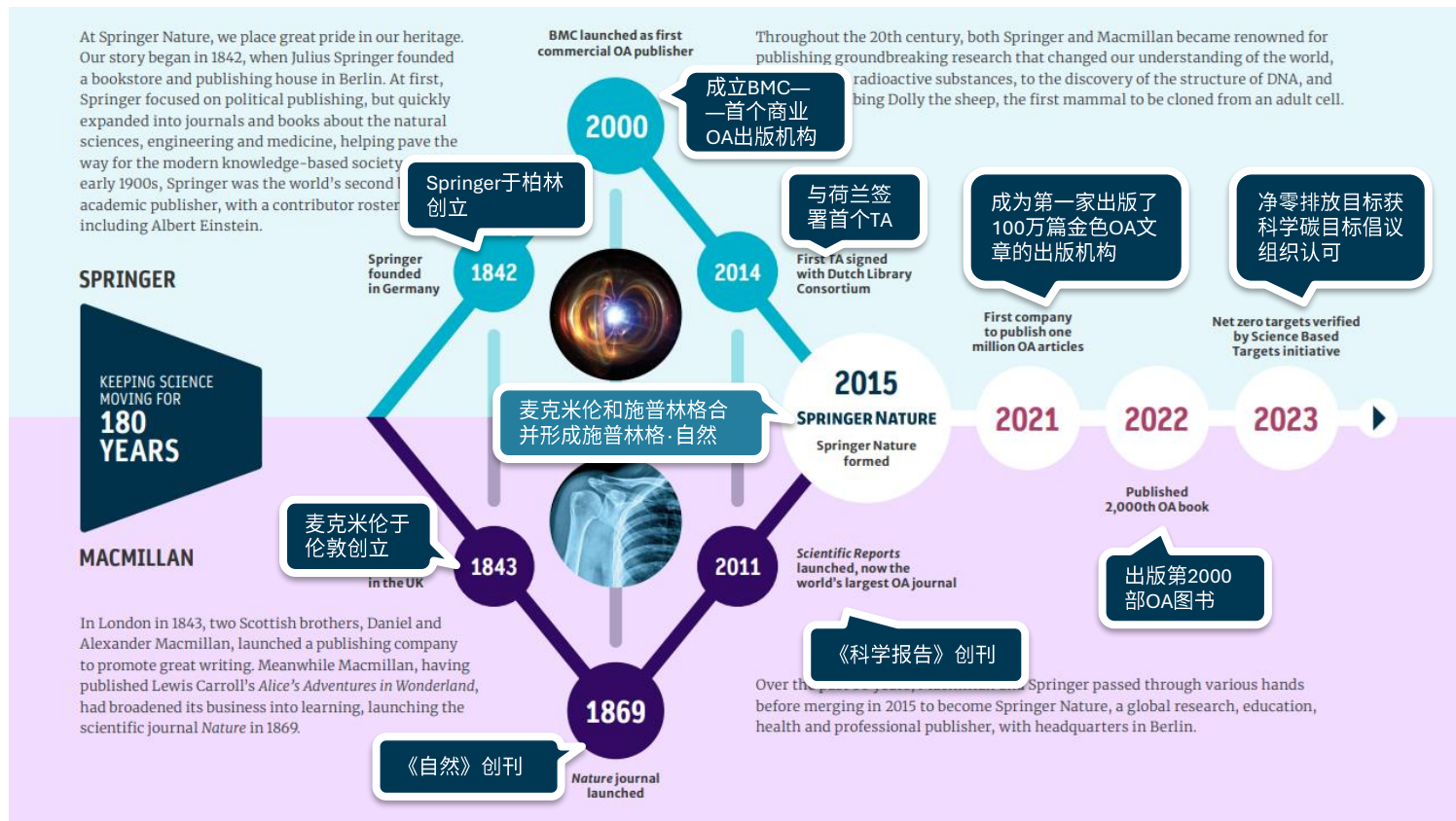
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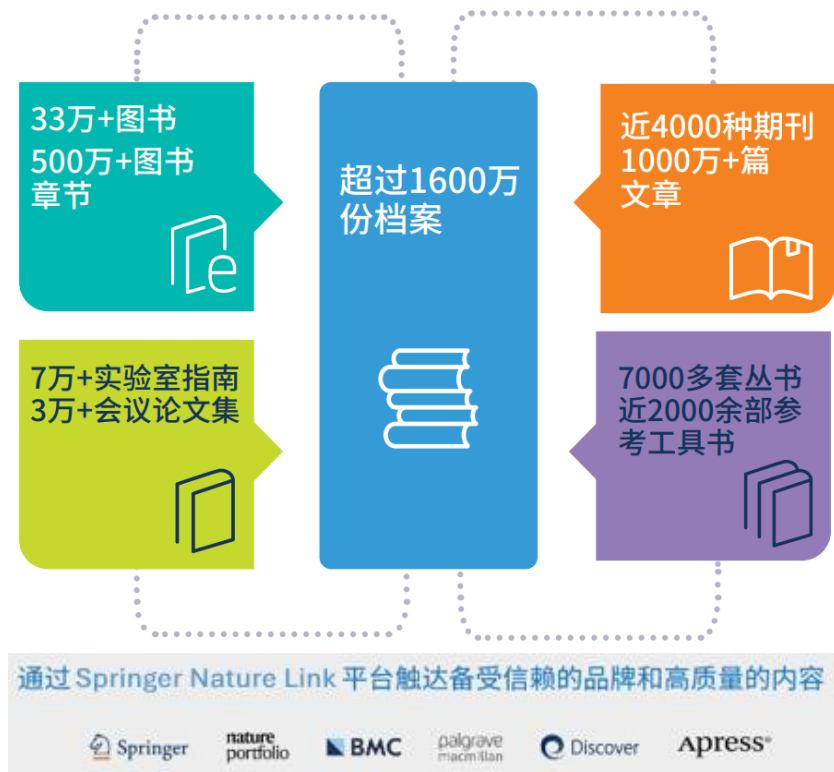
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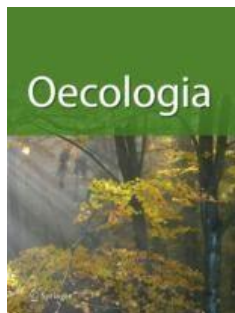
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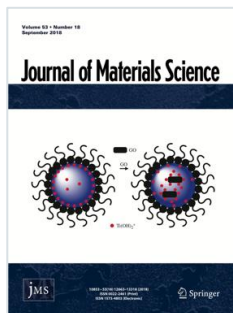
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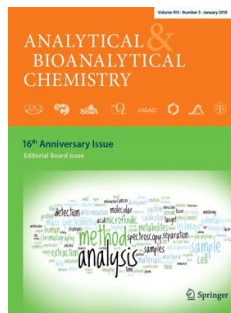
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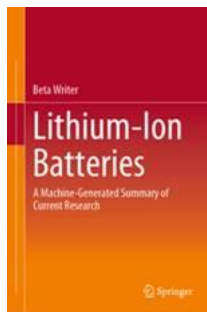


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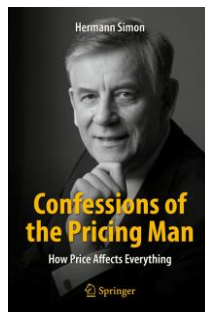
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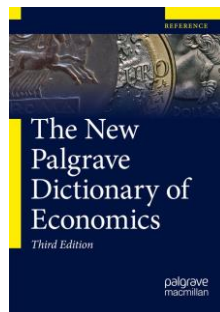
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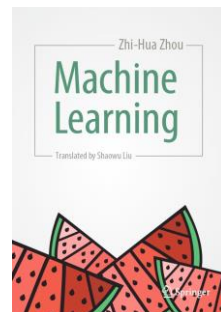
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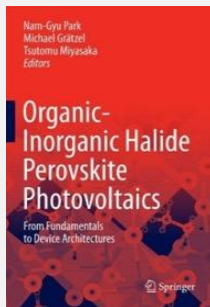
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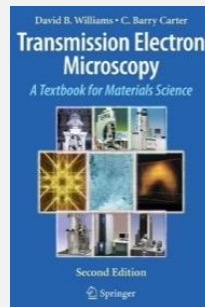
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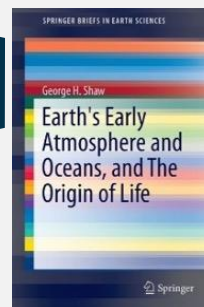
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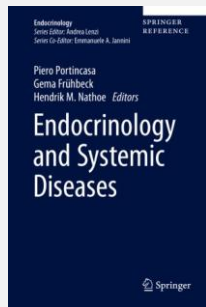
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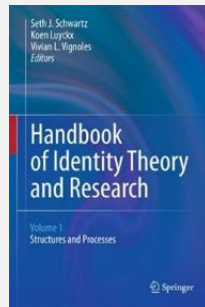
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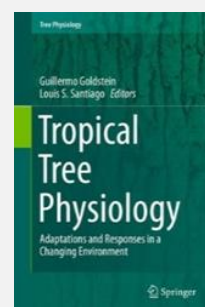
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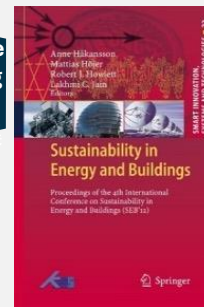
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12



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13

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主页

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14

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Diabetologia
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European Journal of Nutrition
Original Contribution | Open Access
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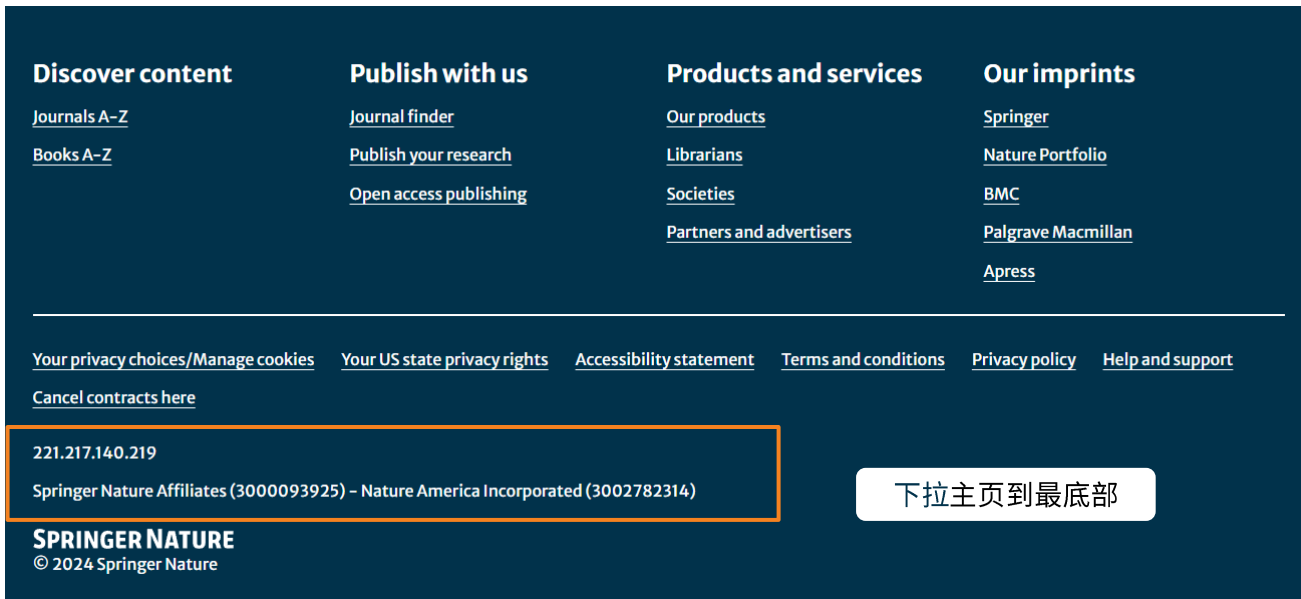
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How ChatGPT and Other AI Tools Will Revolutionize Business
Book | © 2023

Overview
Authors: Tom Taulli

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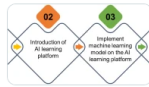
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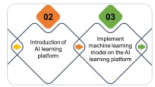
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Jui-Hung Chang, Chi-Jane Wang, ... Chin-Feng Lai in Educational technology research and development

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☐ Education (8,514)

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☐ Biomedicine (7,293)

☐ Economics (6,029)

☐ Earth sciences (5,991)

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☐ Environment (5,540)

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The screenshot shows the Springer Nature search results page for the query 'microRNA'. The interface includes a search bar at the top with the text 'microRNA' and a 'Search' button. Below the search bar are links for 'Advanced search' and 'Search help'. On the left side, there is a sidebar with filters: 'Content type', 'Date published', 'Languages', 'Subjects', 'Disciplines', and 'Subdisciplines'. The main content area displays search results. The first result is a 'Chapter' titled 'MicroRNA Qubit' by Yoichi Robertus Fujii, published in 'The MicroRNA Quantum Code Book' in 2023. The second result is an 'Article' titled 'MicroRNA Biogenesis in Cell Senescence Induced by Chronic Endoplasmic Reticulum Stress' by D. M. Zaichenko et al., published in 'Molecular Biology' on 08 August 2023. Annotations with arrows point to various elements: '高级检索' (Advanced search) points to the 'Advanced search' link; '检索帮助' (Search help) points to the 'Search help' link; '下载检索结果' (Download search results) points to the 'Download results (.csv)' button; 'RSS源' (RSS source) points to the 'RSS feed' button; '访问权限' (Access rights) points to the 'Full access' and 'Partial access' labels; and a dropdown menu for 'Sort by' is open, showing options like 'Relevance', 'Date published (new to old)', and 'Date published (old to new)'. A book cover and a graph are also visible on the right side of the results.

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microRNA

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Yoichi Robertus Fujii in The MicroRNA Quantum Code Book 2023

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Abstract
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D. M. Zaichenko, A. A. Mikryukova, ... A. A. Moskovtsev in Molecular Biology 08 August 2023

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For example, "dna replication" NOT sequencing

Title

For example, The Archaeology of Contemporary America

Author(s) or Editor(s)

For example, John Bell Doe OR J.B. Doe

In journal(s)

For example, Nature Neuroscience

Date published

☐ Last 3 months

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☐ Last 3 months
☐ Last 6 months
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☐ Custom dates

Start year (YYYY) End year (YYYY)

Languages

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Journal

Nature Climate Change

Journal

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Showing 1-20 of 3,807 results

Book

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Relevance

Content type

☒ Book (3,807)

☐ Conference proceedings (339)
☐ Textbook (106)
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☐ Last 6 months
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Textbook | Full access

Climate Change
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Thomas Brewer
2024

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Nalini Bikkina, Rama Mohana R. Turaga
2024

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The screenshot shows the homepage of the journal **Breast Cancer**, published by Springer. The page is divided into several sections, each with a numbered annotation:

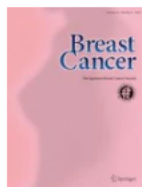
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- (7) Articles
- (8) For authors
- (9) Journal updates
- (10) Overview
- (11) Journal Impact Factor 4.0 (2023)
- (12) Societies and partnerships
- (13) Latest issue
- (14) View all volumes and issues →
- (15) Latest articles
- (16) Contemporaneous changes in cytokines and cognitive function during chemotherapy in patients with breast cancer: a prospective follow-up study
- (17) View all articles →

The page also features a sidebar with links to various sections: Aims and scope, Editorial board, Editorial policies, Rights and Permissions, Ethics and disclosures, Contact the journal, Articles, Collections, Volumes and issues, Online first articles, Sign up for alerts, For authors, Pre-submission checklist, Submission guidelines, How to publish with us, Fees and funding, Calls for papers, Language editing, and Submit your manuscript.

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Content type

- ☒ Article (2,482)
- ☐ Research article (1,921)
- ☐ Review article (312)
- ☐ News article (2)

Date published

- ☐ Last 3 months
- ☐ Last 6 months
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[Article](#) [Breast Cancer](#)

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c-Myc knockdown restores tamoxifen sensitivity in triple-negative breast cancer by reactivating the expression of ERα: the central role of miR-152 and miR-148a

Background
Poor prognosis of triple-negative breast cancer (TNBC) is owing to its intrinsic heterogeneity and lack of targeted therapies. Emerging...

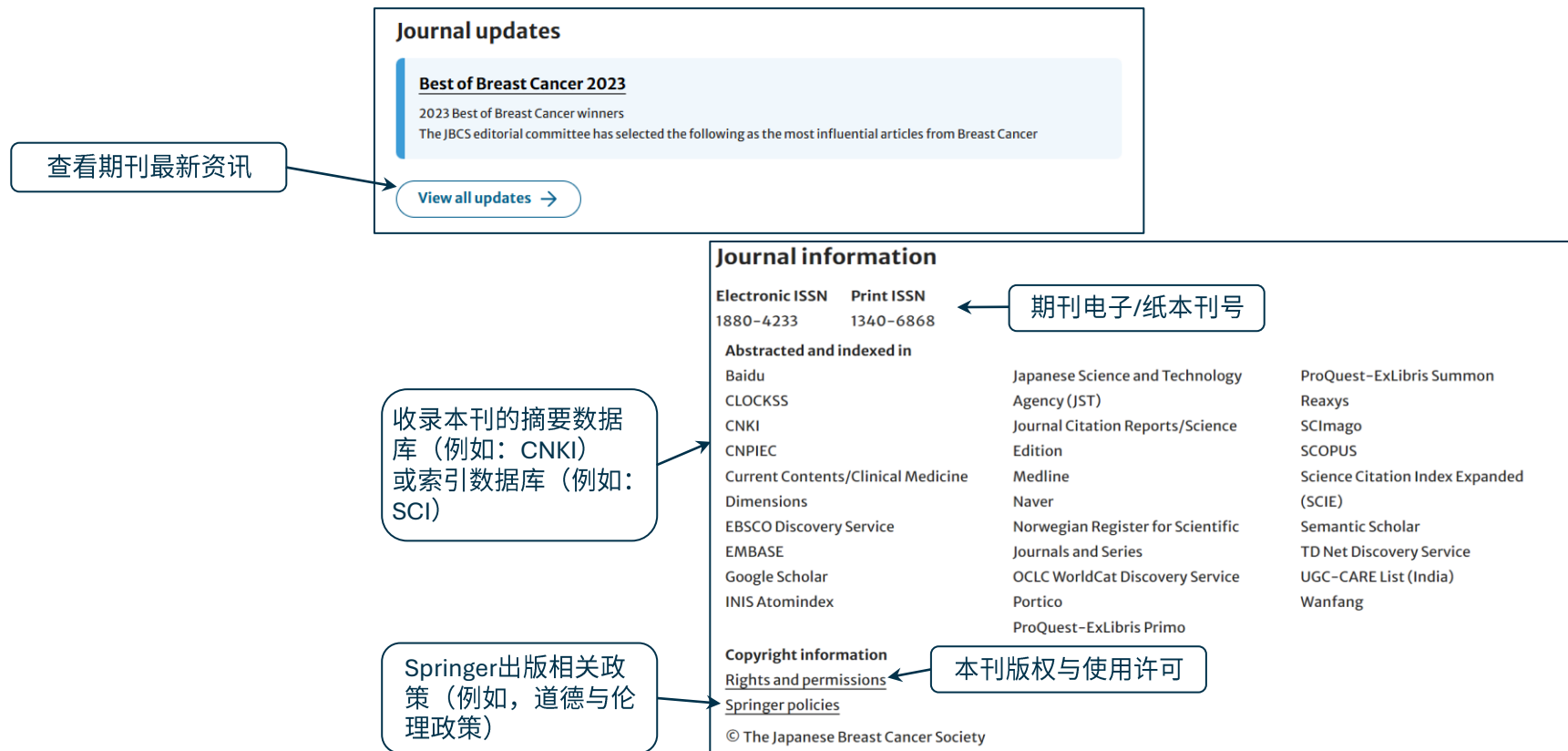
Chao Dong, Yonghong Sun, ... Binlin Ma in [Breast Cancer](#)
03 March 2025

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c-Myc knockdown restores tamoxifen sensitivity in triple-negative breast cancer by reactivating the expression of ERα: the central role of miR-152 and miR-148a

Chao Dong, Yonghong Sun, ... Binlin Ma
Original Article 03 March 2025

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Kawasaki disease and influenza—new lessons from old associations

Case Based Review | Published: 02 January 2021 | 40, 2991–2999 (2021)

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Aaqib Zaffar Bandy, Ashwini Arul, Pandiarajan Vignesh, Mini P. Singh, Kapil Goyal & Surjit Singh

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Abstract

Kawasaki disease (KD), an enigmatic medium vessel vasculitis, presents as an acute febrile illness predominantly affecting young children. KD appears to be a hyper-inflammatory response elicited by environmental or infectious agents (including respiratory viruses) in genetically predisposed individuals. Numerous reports from the current era of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) pandemic have described the occurrence of KD/KD-like illness in close temporal proximity to SARS-CoV-2 infection or exposure. Notably, KD has been reported in association with H₃N₂-pdm09 virus that caused the previous pandemic a decade ago. Non-H₃N₂ influenza infections as well as influenza vaccination have also been reported to trigger KD. Herein, we report a case of H₃N₂-pdm09 influenza who developed KD. We review the published literature on influenza infection or vaccination triggering KD. This may help in a better understanding of the KD/KD-like illness associated with SARS-CoV-2. Besides, we also evaluate the safety of aspirin in influenza-triggered KD as aspirin administration in children with influenza is associated with the risk of development of Reye syndrome.

Introduction

Kawasaki disease (KD) is an acute febrile vasculitic disorder of childhood predominantly affecting medium size arteries with a predilection for coronary arteries. KD is now the leading cause of acquired heart disease in children worldwide [1]. The illness was first reported by Dr. Tomisaku Kawasaki, a Japanese pediatrician, in 1967 when he reported a series of 50 patients [2]. Classic or 'complete' KD clinically presents with fever for at least 5 days with four of the following clinical manifestations: edema of hands and feet in the acute stage and/or subacute periungual skin peeling of fingers and toes, polymorphous

Clinical Rheumatology

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References

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<https://doi.org/10.1038/s41390-019-0668-1>
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2. Kawasaki T (1967) Acute febrile mucocutaneous syndrome with lymphoid involvement with specific desquamation of the fingers and toes in children. Arerugi 16(3):178–222 [Article in Japanese]
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3. McCrindle BW, Rowley AH, Newburger JW, Burns JC, Bolger AF, Gewitz M et al (2017) Diagnosis, treatment, and long-term management of Kawasaki disease: a scientific statement for health professionals from the American Heart Association. Circulation 135(17):e927–e999. <https://doi.org/10.1161/CIR.0000000000000484>
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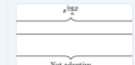
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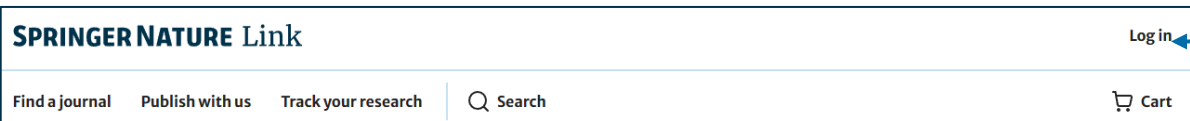
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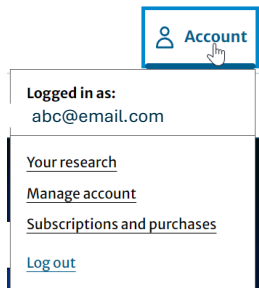
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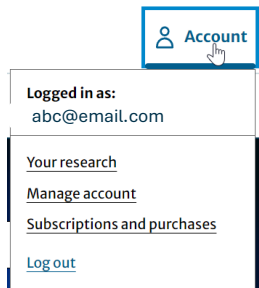
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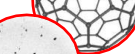
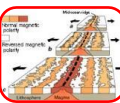
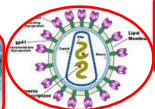
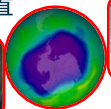
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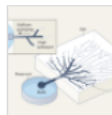
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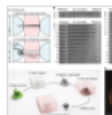


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Subramanian Sundaram, Joshua H. Lee & Christopher S. Chen



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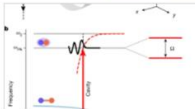


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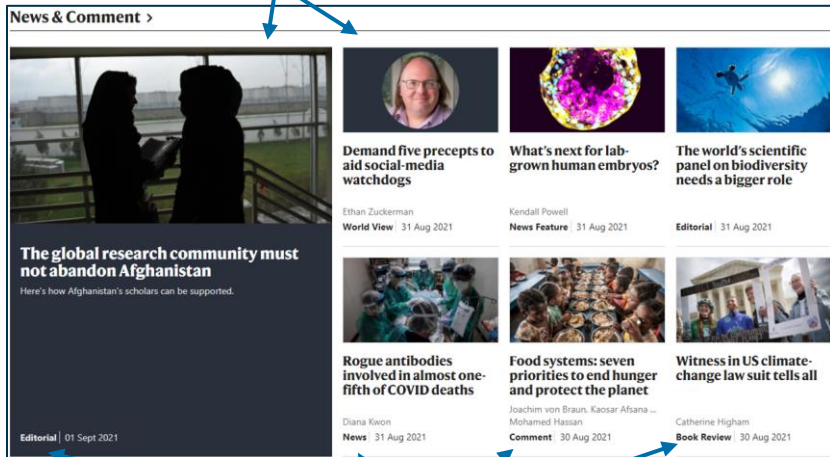
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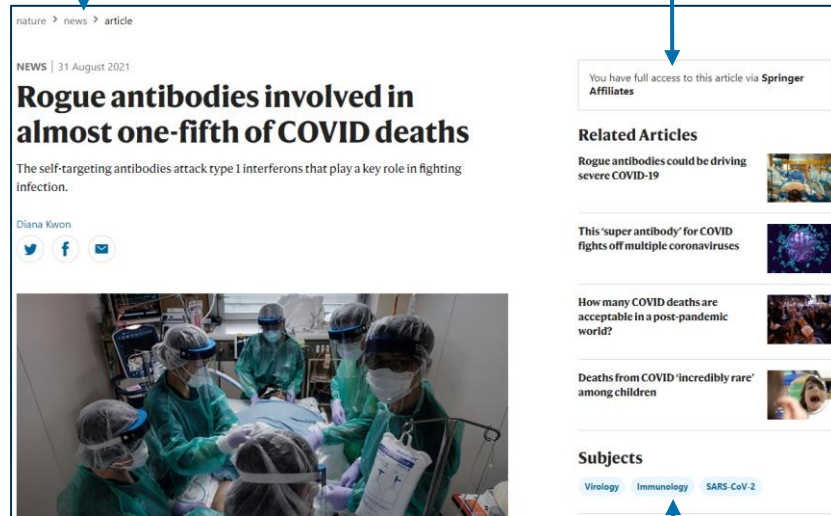
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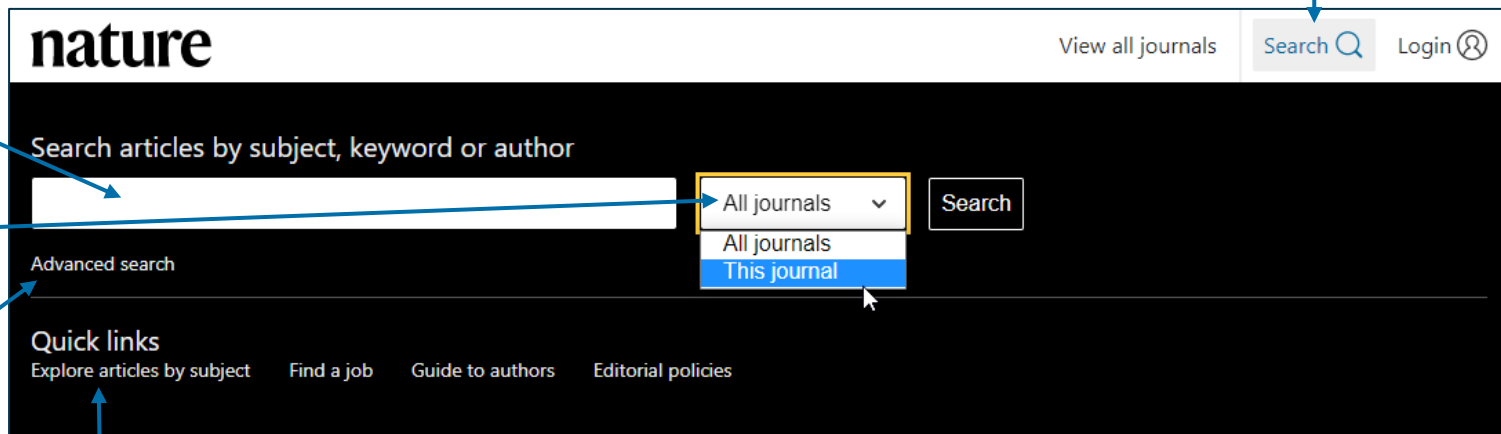
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Y. X. Chen, A. Lavacchi ... F. Vizza

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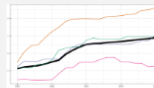
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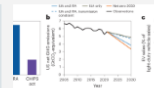
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Traditionally, analysis of the costs of cutting greenhouse gas emissions has assumed that governments would implement idealized, optimal policies such as uniform economy-wide carbon taxes. Yet actual policies in the real world, especially in large federal governments, are often highly heterogeneous and vary in political support and administrative capabilities within a country. While the benefits of heterogeneous action have been discussed widely for experimentation and leadership, little is known about its costs. Focusing on the United States, we represent plausible variation (by more than a factor of 3) in the stringency of state-led climate policy in a process-based integrated assessment model (GCAM-USA). For a wide array of national decarbonization targets, we find that the nationwide cost from heterogeneous subnational policies is only one-tenth higher than nationally uniform policies. Such results hinge on two critical technologies (advanced biofuels and electricity) for which inter-state trade ameliorates the economic efficiencies that might arise with heterogeneous action.

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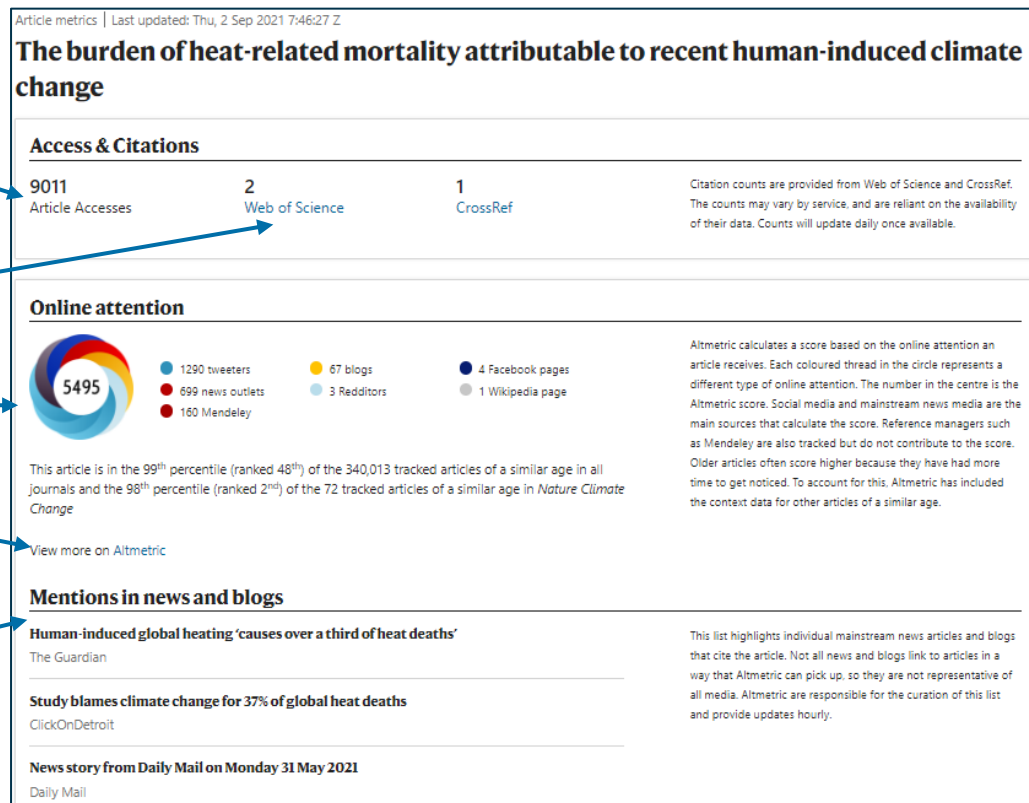
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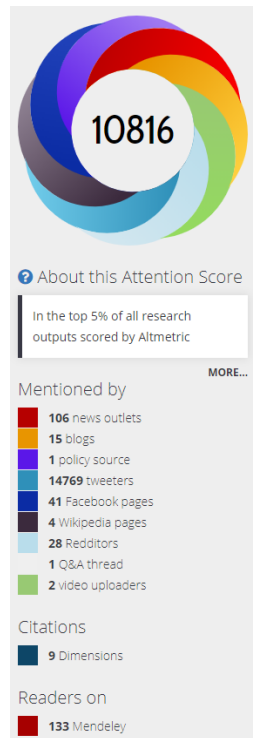
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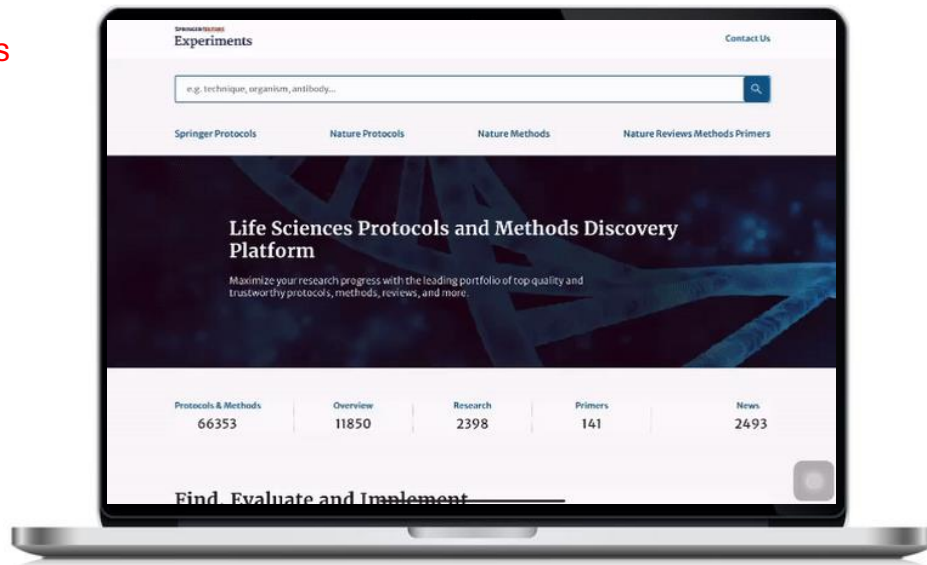
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A Web-Based Protocol for Interprotein Contact Prediction by Deep Learning

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Xiaoyang Jing, Hong Zeng, Sheng Wang, Jinbo Xu

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Abstract

Identifying residue–residue contacts in protein–protein interactions or complex is crucial for understanding protein and cell functions. DCA (direct-coupling analysis) methods shed some light on this, but they need many sequence homologs to yield accurate prediction. Inspired by the success of our deep-learning method for interprotein contact prediction, we have developed RaptorX-ComplexContact, a web server for interprotein residue–residue contact prediction. Given a pair of interacting protein sequences, RaptorX-ComplexContact first searches for their sequence homologs and builds two paired multiple sequence alignments (MSA) based on genomic distance and phylogeny information, respectively. Then, RaptorX-ComplexContact

1 Introduction

Proteins play various roles in cellular and biochemical processes by physically interacting with other proteins or forming protein complexes [1, 2]. Studying protein–protein interactions (PPIs) at residue level is crucial for understanding protein functions in organisms. Experimental techniques have been greatly improved to determine protein complex structure, but they are still low throughput and costly [3, 4]. Therefore, developing effective computational methods to elucidate the 3D structure of a PPI or complex from its sequence is

2 Materials

The following are required and optional materials for the use of RaptorX-ComplexContact server:

1. A personal computer with Internet connection and a web browser with JavaScript enabled. RaptorX-ComplexContact server is compatible with three popular web browsers: Google Chrome, Firefox, and Internet Explorer. Nevertheless, the former two browsers may be slightly better than the third one in visualizing the prediction results.
2. The amino-acid sequences or multiple sequence alignments (MSAs) of the query protein pair in FASTA format. Only the MSAs generated by HHblits are systematically tested although in principle any MSAs shall work.
3. The amino-acid sequences or multiple sequence alignments (MSAs) could also be uploaded to the server as text files.
4. The job name and email address are optional, but a valid email address is strongly recommended since it can facilitate job management and result retrieval.

3 Methods

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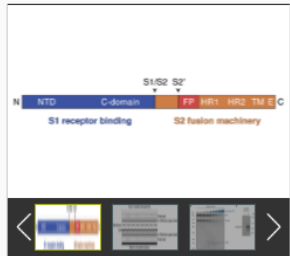
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Abstract

The coronavirus spike envelope glycoprotein is an essential viral component that mediates virus entry events. Biochemical assessment of the spike protein is critical for understanding structure-function relationships and the roles of the protein in the viral life cycle. Coronavirus spike proteins are typically proteolytically processed and activated by host cell enzymes such as trypsin-like proteases, cathepsins, or proprotein-convertases. Analysis of coronavirus spike proteins by western blot allows the visualization and assessment of proteolytic processing by endogenous or exogenous proteases. Here, we present a method based on western blot analysis to investigate spike protein proteolytic cleavage by transient transfection of HEK-293 T cells allowing expression of the spike protein of the highly pathogenic Middle East respiratory syndrome coronavirus in the presence or absence of a cellular trypsin-like transmembrane serine protease, matrilysin. Such analysis enables the characterization of cleavage patterns produced by a host protease on a coronavirus spike glycoprotein. [less](#)

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Multiphoton Microscopy

Two-photon Microscopy

Two-photon Imaging

Two-photon Laser Scanning Microscopy

Two-photon In Vivo Imaging

Two-Photon Calcium Imaging

More Microscopy techniques

Calcium Imaging

Super-resolution Microscopy

Cryo-EM

Springer Nature Experiments – 抗体信息页面

从实验室指南
中获得以抗体
作为试剂的简
要概述

SPRINGER NATURE
Experiments

Search: e.g. protocol, technique, organism...

Antibody Data Search Beta

Protein: Not specified
Anti-Rabbit IgG antibody

Type: Secondary

Used in techniques:
Indirect immunolabeling, Fluorescence Cross-correlation Spectroscopy, Flow Cytometry, Immunostaining, Immunofluorescence, Western Blot, Immunolabeling, Fluorescence Microscopy, TAI-FISH

Beta Version
Covering top cited antibodies from a curated protocols set.

Our Intent
Accelerate lab research with crucial, at-a-glance antibody data.

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Technique	Host	Concentration	Supplier Details	Conjugate	Buffer/Solution	Figure	Protocol
Immunostaining	Gallus gallus	0.5% (vol/vol)	Invitrogen, cat. no. A21441 Invitrogen, cat. no. A 21422	Alexa Fluor 488 Alexa Fluor 594	Dulbecco's phosphate buffered saline DPBS		Mesoscopic hydrogel molding to control the 3D geometry of bioartificial muscle tissues
Immunolabeling	Capra hircus	Dilute 1:1,000	Invitrogen, cat. no. A11034	Alexa Fluor 488	PBS without calcium and magnesium PBS with 1% (vol/vol) FBS		Derivation and characterization of mouse embryonic stem cells from permissive and nonpermissive strains
Fluorescence Cross-correlation Spectroscopy	Capra hircus	25 µg/ml	Molecular Probes/Invitrogen	Alexa488 Alexa633	Antibody dilution buffer AD buffer; PBS, 0.1% bovine serum albumin		One-step analysis of protein complexes in microliters of cell lysate using indirect immunolabeling & fluorescence cross-correlation spectroscopy
Indirect immunolabeling	Capra hircus	25 µg/ml	Molecular Probes/Invitrogen	Alexa488 Alexa633	Antibody dilution buffer AD buffer; PBS, 0.1% bovine serum albumin		One-step analysis of protein complexes in microliters of cell lysate using indirect immunolabeling & fluorescence cross-correlation spectroscopy
Western Blot	Capra hircus		Jackson ImmunoResearch, cat. no. 111-036-045	Peroxidase			Antibody-coupled siRNA as an efficient method for in vivo mRNA knockdown
Western Blot	Bos taurus	80 ng/ml	Santa Cruz Biotechnology, cat. no. sc-2374	horseradish peroxidase HRP	blocking buffer		The cellular thermal shift assay for evaluating drug target interactions in cells

每篇论文的抗体
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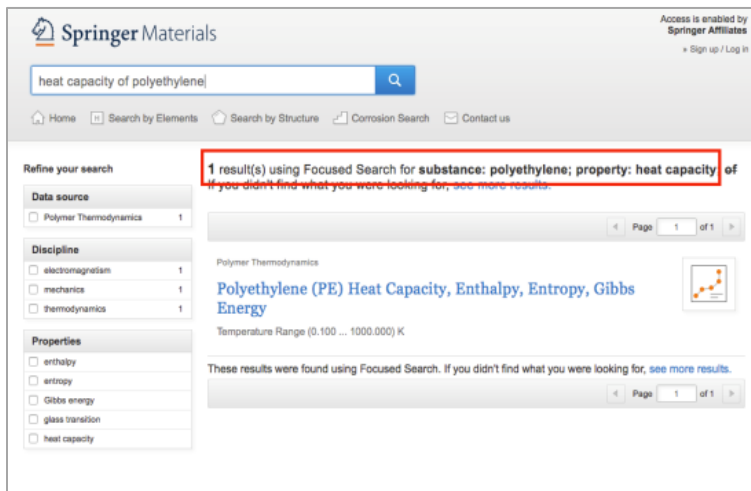
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SpringerMaterials数据库简介

SPRINGERMATERIALS = 精准结果+高效搜索

SpringerMaterials 是专注于材料和物质性质的数值型数据库，是材料、化学、物理、工程、能源、半导体及相关领域研发工作的有利工具：

materials.springer.com

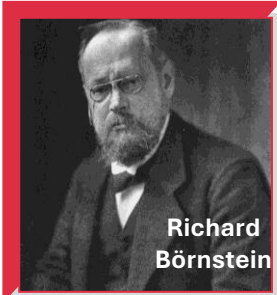
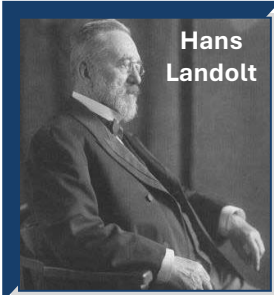


该数据库将发表在各个期刊、书籍中发表的广泛的科学技术领域里基本的、可靠的、有用的数据、规律、公式和函数关系分析筛选、严格评审、归纳整理后进行收录，为研发工作提供精准、权威的数据信息的依据。

所有的信息分析评审工作均由该领域的知名科学家和学者完成，参与人数超1000人。内容与功能持续更新。

研究人员可快捷获取权威信息，无需亲自查找散落各处数据信息并审阅原始文献，从而节省大量时间，提高研发的效率与质量

SPRINGER MATERIALS & LANDOLT-BÖRNSTEIN: 历史回顾



LANDOLT-BÖRNSTEIN
柏林, 1883



超过1000名
专家、学者、
编辑对数据
进行评审



实验结果综述,
前瞻信息等等



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Series (Since 1961)

Group	丛书类别	内容
I	Elementary Particles, Nuclei and Atoms	基本粒子、原子核、原子和等离子体
II	Molecules and Radicals	结构和分子常数、声光学性质、磁性能、反应动力学等等共计100余卷内容
III	Condensed Matter	晶体学，结构与形态，半导体，电子、电学、光学性质，原子缺陷与扩散，光谱分析方法等等共计200余卷内容
IV	Physical Chemistry	力学、电学、热力学：非水及三元水体系，高压性质，纯液体和复杂液体混合物的静态介电常数，各种体系的相变温度，表面张力，密度，蒸气压，Antoine常数，多元素体系等等共计100余卷内容
V	Geophysics	岩石的物理性质，地球物理学、月亮和行星，海洋学，大气热力学和动力学，空气的物理化学性质，气候变化
VI	Astronomy and Astrophysics	天文学与天体物理学，太阳系研究的方法、仪器和常数，恒星和星团，星际物质、星系和宇宙，
VII	Biophysics	生化及物理性质，光谱与动力学，晶体与结构
VIII	Advanced Materials and Technology	化石与新能源，储能储氢材料，液晶，金属与磁性材料，有特殊性能的材料（如耐高温，耐火），激光，辐射防护材料等

 The Springer Nature logo, featuring the text "SPRINGER NATURE" in a bold, sans-serif font.

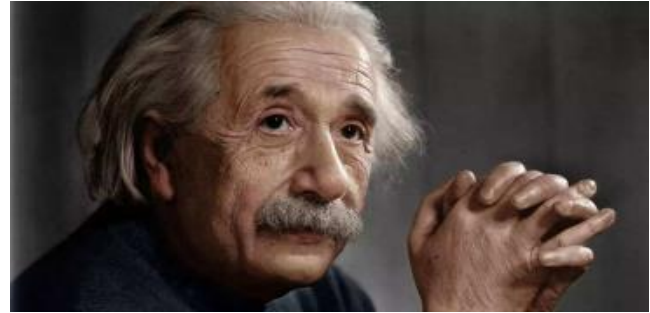
ANNALEN DER PHYSIK.

9. Die Plancksche Theorie der Strahlung und die Theorie der spezifischen Wärme; von A. Einstein.

In zwei früheren Arbeiten¹⁾ habe ich gezeigt, daß die Interpretation des Energieverteilungsgesetzes der schwarzen Strahlung im Sinne der Boltzmannschen Theorie des zweiten Hauptsatzes uns zu einer neuen Auffassung der Phänomene der Lichtemission und Lichtabsorption führt, die zwar noch keineswegs den Charakter einer vollständigen Theorie besitzt, die aber insofern bemerkenswert ist, als sie das Verständnis einer Reihe von Gesetzmäßigkeiten erleichtert. In der vorliegenden Arbeit soll nun dargetan werden, daß die Theorie der Strahlung — und zwar speziell die Plancksche Theorie — zu einer Modifikation der molekular-kinetischen Theorie der Wärme führt, durch welche einige Schwierigkeiten beseitigt werden, die bisher der Durchführung jener Theorie im Wege standen. Auch wird sich ein gewisser Zusammenhang zwischen dem thermischen und optischen Verhalten fester Körper ergeben.

Bern, November 1906.

(Eingegangen 9. November 1906.)

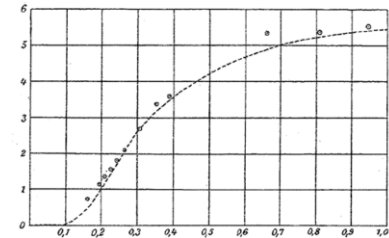


Wir entnehmen ferner den Tabellen von Landolt und Börnstein einige Angaben über ultrarote Eigenschwingungen

(metallische Reflexion, Reststrahlen) einiger durchsichtiger Körper; die beobachteten λ sind in nachstehender Tabelle entnommen, soweit sie sich auf Atome kleiner spezifischer Wärme beziehen; für die $\lambda > 48 \mu$ sein.

Körper	$\lambda_{\text{beob.}}$	$\lambda_{\text{ber.}}$
CaF ₂	24; 31,6	33; >
NaCl	51,2	>
KCl	61,2	>
CaCO ₃	6,7; 11,4; 29,4	12; 21;
SiO ₂	8,5; 9,0; 20,7	20;

190 A. Einstein. Plancksche Theorie der Strahlung etc.



betreffenden festen Stoffe vorkommen, für die spezifische Wärme pro Grammäquivalent den Ausdruck¹⁾

$$(8a) \quad c = 5,94 \sum \frac{e^{\frac{\beta v}{T}} \left(\frac{\beta v}{T} \right)^2}{\left(e^{\frac{\beta v}{T}} - 1 \right)^3}$$

SPRINGER MATERIALS: 数字化的数据库

子数据库&数据合集	内容	针对学科及研究领域
材料科学经典系列丛书	508卷Landolt-Börnstein丛书， 26卷SpringerMaterials基础知识手册， 4卷Springer手册	详见前页
无机固相数据库	320,000+ 晶体结构 40,000+ 相图 160,000+组物理化学性质	电子信息材料、能源材料、特种材料，如半导体材料、电子材料、锂电池、催化剂、玻璃、光学材料、探测及遥感用材料器件等
MSI Eureka 数据库	4,314 份关于二元和三元金属和半导体体系的相图报告 7646个交互式相图 71000书目报告	金属及合金材料的冶炼、制造和应用，高温高压环境下的特种材料(如钻探、航天)，燃料、能源等
腐蚀性质数据库	1000+金属体系在275+环境中的25,000组腐蚀性质数据	海洋材料、航空材料、材料防腐科学（如石化、新能源设备的长期维护）
吸附性质数据库	4,331 组吸附等温曲线，涉及99种被吸附物和1,355种吸附剂	化学处理、提纯、燃料、能源、传感、生物材料、污染控制、气候变化
有机物质热物性数据库	51种有机物质和1,200+二元混合物的472,000组热物性数据	提纯、精细化工及药物生产与提纯，有机材料的应用研究
高分子热力学数据库	12,000+纯高分子，8000+混合物的28种热力学性质数据，包含数据超过1,000,000个	塑料、包装、化工、涂料、薄膜、医学材料、生物材料
泡沫金属性质数据	300组泡沫金属的性质数据	特种金属材料，航空航天材料，导弹工业，建筑、特种设备、人工骨骼
材料的光谱表征与显微成像数据集	金属、有机物质、液体、高聚物等的紫外、红外、拉曼、PES, Mössbauer, 核磁，及透射电镜，扫描隧道显微镜等材料表征方法下的特征数据信息	材料和物质表征是广泛研究领域的常用数据信息
（有机&无机）物质档案	35,684个有机和无机物的物质档案	广泛研究领域的常用数据信息

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负责数据的深度电
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U Regensburg
半导体理论物理学家

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陶瓷
&
玻璃

复合材料
&
新型材料

金属 & 合金
& 泡沫金属

有机
&
无机化合物

高分子材料

半导体
&
电子材料

性能类型 (举例)



物理性质



化学性质



热力学性质



电磁性质



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原子能性质

2023-新增



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2024-新增

无机固相 15,000 晶体结构 1,000 相图 10,000 物理化学数据集	电池材料 6,000 个数据集	热电材料 3,000 数据集	钙钛矿太阳能电池 10,000 钙钛矿太阳能电池器件数据集，器件参数如带隙、功率转换效率、稳定性等
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如果工作量允许，还可以添加100个关于Metal foam的数据集和15,000个NMR数据集。

数据电子化

无机钙钛矿 从LB卷中钙钛矿相关内容的约600个数据集进行数字化	离子液体 2000多种纯离子液体的20多种物理化学性质
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Thank you!

孙红涛 Arthur Sun
Springer Nature 大中华区客户发展经理

arthur.sun@springernature.com

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