「PUBMED」與生農主題研究資源

黃瀅芳 臺大圖書館 學科服務組

2020.05.19

BIORESOURCE AND AGRICULTURE

Thesaurus

bio noun



Synonyms of *bio*

a history of a person's life // you can read a *bio* of the author on her home page

Synonyms for *bio* biography, life, memoir

Words Related to bio autobiography hagiography psychobiography pathography, tell-all chronicle, history, past, story obituary character sketch, profile

Thesaurus

agriculture noun



Synonyms of agriculture

the science or occupation of cultivating the soil, producing crops, and raising livestock

// the forest was cut down, and the land given over to agriculture

Synonyms for agriculture

farming, husbandry

Words Related to agriculture

cultivation, culture, farmwork, gardening, horticulture, tillage agribusiness, agroecology, agronomy agroforestry, arboriculture, pomology aquaculture (also aquiculture), hydroponics animal husbandry, mixed farming, monoculture, pastoralism

sharecropping

WHAT IS LIFE SCIENCE?



-life scientist noun





生物資源暨農學院 設院時間:1928年 電話:(02)33664211 傳真:(02)23919626

網址:http://www.bioagri.ntu.edu.tw 電子信箱:agricul@ntu.edu.tw

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獣醫專業學院
 獣醫學系
 臨床動物醫學研究所
 分子暨比較病理生物學研究所

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- 農藝學系
- 生物環境系統工程學系
- 農業化學系
- 森林環境暨資源學系
- 動物科學技術學系
- 農業經濟學系
- 園藝暨景觀學系
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- 食品科技研究所
- 生物科技研究所
- 植物醫學碩士學位學程

介紹校總區生科、生農二學院 所屬主題領域之文獻、數據、 影音類型研究資源!



生命科學院 設院時間:2003年 電話:(02)33665924 傳真:(02)23640353 網址:http://college.lifescience.ntu.edu.tw 電子信箱:ntucols@ntu.edu.tw

系所

- 生命科學系
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全球最重要的生物醫學資料庫 PUBMED



美國國家醫學圖書館(National Library of Medicine, 簡稱NLM)的國家生物技術資訊中心(National Center for Biotechnology



資源

延伸

Information, 簡稱NCBI)所研發及維護的線上醫學資料庫系統。 收錄超過3千萬筆的書目資料,來自Medline、生命科學期刊及電子 書,以生物醫學、健康相關文獻為主,並包括生命科學、行為科學 化學及生物工程等領域的文獻資訊。

提供部分免費及付費全文連結服務,並包含即將出版的醫學文獻。









教學資源

Blog

Showing 1 to 5 of 5 entries







<u>PubMed</u>資料庫中備有詳盡的資料庫線上操作說明,包括: FAQ、User Guide 等。



- How do I search by journal name?
- How do I find a specific citation? I have some information such as the author, journal name, and publication year.







Advanced Search

請參考「<u>PubMed 一般查詢功能介紹</u>」。

Clinical Queries

臨床資源查詢。提供臨床醫生查詢臨床資源。包含有Searchby Clinical Study Category、Find Systematic Reviews、Medical Genetics Searches。詳細請參考「<u>PubMed 中的主題篩選指</u> <u>令懶人包</u>」。

Single Citation Matcher

單筆引文查詢,可利用 journal、date、volume、issue查找單





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E-utilities API

Batch Citation Matcher

E-utilities API

PubMed可透過NCBI的整合檢索工具<u>Entrez 系統</u>檢索,而此功 能允許軟體開發者透過各種程式語言使用URL語法檢索Entrez, 進而批次取得檢索結果。

FTP

NLM每年於其FTP伺服器提供一次PubMed完整書目資料下載 (XML格式)。

Batch Citation Matcher

批次引文查詢,輸入特定格式以批次取得該文獻之PMID號碼。





Explore【其他相關資料庫】



MeSH Database

醫學主題詞表。可用於進階檢索,詳細請參考「<u>PubMed中的</u> <u>文獻查詢利器 – MeSH 基本介紹</u>」。

Journals

期刊資料庫。以主題尋找期刊或主題瀏覽、瀏覽期刊清單、瀏 覽有提供全文連結的期刊清單。有時檢索出來的期刊名稱為簡 稱,即可利用期刊資料庫查詢期刊全名。





主題檢索(SUBJECT SEARCH)

• 想找「自動駕駛」的文章?

autos robotic car

autonomous car

driverless car self-driving car

主題檢索(SUBJECT SEARCH)

• 以主題的方式來找資料,例如主題詞(heading)、分類號。





關鍵字檢索 V.S 主題檢索

	優點	缶夬 黑占
關鍵 字	表達方式比較自由新的詞彙查得到	 長不一樣就找不到 結果較不精確
主題詞	 無視同義異形、同形異義問題 結果較精確 	新的詞彙可能查不到人為錯誤導致查不到



PubMed自動比對關鍵字

PubMed具有自動詞彙轉換功能(Automatic Term Mapping),使用者輸入關鍵詞,系統會根據主題詞表,自動找出相對應的主題詞彙,並同時檢索關鍵詞與主題詞。

例] 輸入sweet potato:自動轉換為"ipomoea batatas"[MeSH Terms] OR ("ipomoea"[All Fields] AND "batatas"[All Fields]) OR "ipomoea batatas"[All Fields] OR ("sweet"[All Fields] AND "potato"[All Fields]) OR "sweet potato"[All Fields]

[Tip1] 布林邏輯運算元AND、OR、NOT需大寫 [Tip2] 關鍵詞組合運算若先後順序,可用括號包覆 例外情況:

X 片語查詢時前後加上引號"" X 加上星號 * 作切截查詢

X 限定查詢欄位



What is MeSH?

描述主題	MeSH全稱Medical Subject Headings(簡稱MeSH),是美國國家醫學圖書館(NLM) 建置的一套生物醫學領域主題詞。
(標示) 内容	MeSH是一種索引典,每個主題詞代表特定主題範疇,用於標示文獻內容主題。
專家編製	專家閱讀文獻後,根據內容,標註適當的MeSH主題詞,使用者可透過 MeSH主題詞 查詢文獻。
標註 方式	有標註「*」號的MeSH Terms,為文中主要探討的內容(Major Topic);未標註者表 示為次要主題。



主標目Main headings

MeSH Terms大家族

又稱Descriptor terms,總計超過2萬6千個主題詞標目。

又稱Qualifier Terms,依附於主標目,用於描述文獻中著重的面向或應用。



副標目subheading

Mesh以<u>樹狀結構</u>呈現階層組織,最上層分為16 大類,各大類之下再分為下層主題,可顯示標題 間的類屬關係。越上層的主題詞彙意涵越廣,愈 下層的標題詞越專指(specific),彼此互為廣義詞 (broad terms)及狹義詞(narrow terms)關係。



MeSH Terms大家族





主要為物質(藥物)詞表,也包含部分程序(protocols)與罕見疾病名稱。 有些新的物質尚未成為主標目,會列入作為補充詞彙。

Publication Characteristics 描述文獻類型。

Check tags 針對文中物種的特殊分類。

Pharmacological Action Terms 呈現該物質於文章中的藥理作用。

MESH樹狀結構表(TREE VIEW)

Ν	IIH U.S. National Library of Medicine		
MeSH	Search Tree View MeSH on Demand NEW MeSH 2018	MeSH Suggestions	
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	Organisms [B] ❹ 【6大類主	標目Main He	ading (Descriptor) Terms
	Diseases [C] 🚭		
	Chemicals and Drugs [D] 🚭		
	Analytical, Diagnostic and Therapeutic Techniques, and Equipment [E] O	
	Psychiatry and Psychology [F] O		
	Phenomena and Processes [G] O		
	Disciplines and Occupations [H] 😔		
	Anthropology, Education, Sociology, and Social Phenomena [I] O		
	Technology, Industry, and Agriculture [J] O		
	Humanities [K] O		
	Information Science [L] 💿		
	Named Groups [M] O		
	Health Care [N] 💿		
	Publication Characteristics [V] 💿		
	Geographicals [Z] O		

1 Carl I I I



Phenomena and Processes [G] 🗢 Physical Phenomena [G01] 🚭 Chemical Phenomena [G02] O Metabolism [G03] O Cell Physiological Phenomena [G04] 😌 Genetic Phenomena [G05] 😌 Microbiological Phenomena [G06] 🔂 Physiological Phenomena G07] Adaptation, Physiological [G07.025] O Anatomic Variation [G07.049] Bacterial Shedding [G07.075] Body Constitution [G07.100] 😌 Body Temperature [G07.110] 😌 Chronobiology Phenomena [G07.180] 🔂 Diet, Food, and Nutrition 507.203 Beverages [G07.203.100] O Food [G07.203.300] O Bread [G07.203.300.100] Candy [G07.203.300.140] 😌 Chocolate [G07.203.300.195] Condiments [G07.203.300.250] 😌 Crops, Agricultural [G07.203.300.300] 3 Dairy Products [G07.203.300.350] 😌 Dietary Carbohydrates [G07.203.300.362] 😌 Dietary Fats [G07.203.300.375] O Dietary Fiber [G07.203.300.400] O Dietary Proteins [G07.203.300.428] O Dietary Supplements [G07.203.300.456] 😌 Eggs [G07.203.300.470] 🕄 Fast Foods [G07.203.300.477]

食品添加物 Food Additives [G07.203.300.512] ● 脂肪替代品 Fat Substitutes [G07.203.300.512.350] Flavoring Agents [G07.203.300.512.400] 調味劑 Sweetening Agents [G07.203.300.512.400.700] 食品防腐劑 Food Preservatives [G07.203.300.512.700]

調味劑下面還有更專指的詞彙 Sweetening Agents(甜味劑)

食品添加物(Food Additives)的樹狀結構表 依序隸屬於

Phenomena and Processes 現象與過程

- → Physiological Phenomena 生理現象
- → Diet, Food, and Nutrition 飲食、食物與營養

→ Food 食物





Pub Med.gov	
Strawberry anthracnose	Search
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Full text	2 Strawberry Anthracnose in Iran and Rep-PCR Fingerprin- Differentiate C. acutatum Complex on Strawberry. Karimi K, et al. Front Microbiol 2019. PMID 30809201 Free PMC article.	2013 9 2014 3 2013 8 2012 7 2011 4	_ to
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Clinical Trial Meta-Analysis	 Comparison of Whole Plant and Detached Leaf Screening Identifying Anthracnose Resistance in Strawberry Plants Miller-Butler MA, et al. Plant Dis 2018. PMID 30211658 Free article. 	2001 5 2000 4 1999 3 1997 5	_
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ARTICLE TYPE

Associated data

Clinical Trial

Review

Meta-Analysis

Books and Documents

Randomized Controlled Trial

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Comparison of W Identifying Anthra Miller-Butler MA, et al. Anthracnose is a destr C. acutatum, C. fragaria

Phytopathology, 109 (7), 1293-1301 Jul 2019

Anthracnose Fruit and Root Necrosis of Strawberry Are Caused by a Dominant Species Within the Colletotrichum acutatum Species Complex in the United States

Nan-Yi Wang ¹, Bruna B Forcelini ¹, Natalia A Peres ¹ Affiliations + expand PMID: 30852972 DOI: 10.1094/PHYTO-12-18-0454-R

Abstract

Strawberry anthracno



Strawberry anthracnose fruit rot and root necrosis, caused by Colletotrichum acutatum limiting factors in fruit production fields in the United States. Recent research focusing phenotypic and genetic characteristics of this species has shed light on the diversity of acutatum species complex. In this study, we performed multilocus sequence analysis o loci to characterize 217 C. acutatum isolates collected over a 23-year period from sym tissues of strawberry from six different states. The results revealed two *Colletotrichum* بربر, رب nymphaeae and C. fioriniae), with 97.7% of the isolate collection (212 of 217) belonging to C. nymphaeae as a dominant clonal linage, regardless of the isolation source. No correlation between species groups and geographical origins of the isolates was observed. Further sequence comparison

between historical and contemporary isolates showed the same populations being widely distributed throughout the strawberry nurseries and production fields in the United States and Canada. Subsequently, a subset of 12 isolates representing different quinone-outside inhibitor fungicide resistance profiles from root or fruit tissue of strawberry was selected for comparison of pathogenicity on strawberry. In this test, isolates of different resistance groups or different isolation sources exhibited a similar degree of aggressiveness and caused indistinguishable symptoms on strawberry crowns (P = 0.9555 and 0.7873, respectively) and fruit (P = 0.1638 and 0.1141, respectively), although a significant difference among individual isolates was observed in detached-fruit assays (P = 0.0123). Separate pathogenicity tests using isolates of the two species revealed C. nymphaeae being more aggressive than C. fioriniae in infecting strawberry roots and crowns (P = 0.0073). Therefore, given the

FULL TEXT LINKS Full Text Article ACTIONS 66 Cite X CITATION TEXT Wang NY, Forcelini BB, Peres NA. Anthracnose Fruit and Root Necrosis of Strawberry Are Caused by a Dominant Species Within the Colletotrichum acutatum Species Complex in the United States. Phytopathology. 2019;109(7):1293-1301. doi:10.1094/PHYTO-12-18-0454-R 🗎 Copy ☑ Download .RIS Format: AMA ♦ Abstract Similar articles MeSH terms LinkOut - more resources

Similar articles	FULL TEX			
Molecular Diversity of Anthracnose Pathogen Populations Associated With UK Strawberry Production Suggests Multiple Introductions of Three Different Colletotrichum Species R Baroncelli et al. PLoS One 10 (6), e0129140. 2015. PMID 26086351. Fragaria × ananassa (common name: strawberry) is a globally cultivated hybrid species belonging to Rosaceae family. Colletotrichum acutatum sensu lato (s.l.) is considere				
Fitness, Competitive Ability, and Mutation Stability of Isolates of Colletotrichum AcutatumFrom Strawberry Resistant to Qol FungicidesBB Forcelini et al. Phytopathology 108 (4), 462-468. Apr 2018. PMID 29135359.Quinone-outside inhibitor (Qol) fungicides are used to manage anthracnose of strawberry, caused by Colletotrichumacutatum. However, selection for resistance to Qol fungi				
Characterization of Colletotrichum Species Causing Anthracnose of Pomegranate in the Southeastern United States KV Xavier et al. Plant Dis 103 (11), 2771-2780. Nov 2019. PMID 31524096. Anthracnose fruit rot and leaf blight caused by Colletotrichum species are important diseases of pomegranate in the southeastern United States. In this study, 26 i	SHARE			
Distribution and Characteristics of Colletotrichum Spp. Associated With Anthracnose of Strawberry in Hubei, China YC Han et al. Plant Dis 100 (5), 996-1006. May 2016. PMID 30686149. Anthracnose caused by Colletotrichum spp. is a serious disease of strawberry. The etiology of anthracnose of strawberry is complex, and several Colletotrichum spp. have b	Title Abstr			
Natamycin, a New Biofungicide for Managing Crown Rot of Strawberry Caused by Qol- Resistant Colletotrichum Acutatum SE Haack et al. Plant Dis 102 (9), 1687-1695. Sep 2018. PMID 30125151. Anthracnose crown rot of strawberry, caused by Colletotrichum acutatum, is an important disease affecting California nursery and fruit production. Preplant dip treatments	LinkC resou			
Show more similar articles See all similar articles				
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> Fruit

> Plant Diseases / microbiology *







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MeSH MeSH	 Strawberry alcohol acyltransferase, strawberry bet v 1 allergen, strawberry galur protein, strawberry hemangioma, strawberry
	hemangiomas_strawberry Summary ← 20 per page ← Search results Items: 14Selected: 1
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Tutorials	 Fragaria A plant genus of the family ROSACEAE known for the edible fruit. Year introduced: 2003
	 Hemangioma, Cavernous A vascular anomaly that is a collection of tortuous BLOOD VESSELS and connective tissue. This tumor-like mass with the large vascular space is filled with blood and usually appears as a strawberry-like lesion in the subcutaneous areas of the face, extremities, or other regions of the body including the central nervous system.
F. /. /. J	 alcohol acyltransferase, Fragaria ananassa [Supplementary Concept] involved in flavor biogenesis in strawberries; acts on short- and medium-chain, branched, and aromatic acyl-CoA to form volatile esters; amino acid sequence in first source; GenBank AF193789 Date introduced: July 25, 2000

Subheadings:		·	"Fragaria/classification"[Majr] OR
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anatomy and histology	etiology	Pharmacology	勾選subheading後選擇
Chemistry	✓ genetics	Sector Se	
Classification	growth and development	✓ radiation effects	OK(只要有具甲 <u>一</u> 個
🖤 cytology	🖤 immunology	therapeutic use	
Carug effects	 metabolism microhiology 	ultrastructure	
embryology	Hicrobiology	S virology	Clinical Queries
Restrict to MeSH Major Topic.			NLM MeSH Browser
Do not include MeSH terms found below	√ this term in the MeSH hierarchy.	Subneading 應用)	曾山 _{Taxonomy}
 Strawberry Strawberries Fragaria vesca Alpine Strawberry 	2.僅查到"Fragraia	"即可,不包含其下的	D狹義詞
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Tree Number(s): B01.650.940.800.575.912.250.859.937.500.266 MeSH Unique ID: D031985 Entry Terms:

- Strawberry
- Strawberries
- Fragaria vesca
- Alpine Strawberry
- Alpine Strawberries
- Strawberries, Alpine
- Strawberry, Alpine
- Woodland Strawberry
- Strawberries, Woodland
- Strawberry, Woodland
- Woodland Strawberries

All MeSH Categories Organisms Category

<u>Eukaryota</u> <u>Plants</u> <u>Viridiplantae</u> <u>Strept</u>

Streptophyta

Embryophyta

Tracheophyta

Magnoliopsida

Rosanae

Rosales



Mesh以<u>樹狀結構</u>呈現階層組織,最上層分 為16大類,各大類之下再分為下層主題, 可顯示標題間的類屬關係。越上層的主題 詞彙意涵越廣,愈下層的標題詞越專指 (specific),彼此互為廣義詞(broad terms) 及狹義詞(narrow terms)關係。

Rosaceae Fragaria

Pub Med.gov	("Fragaria/adverse effects"[Majr] OR "Fragaria/anatomy and histology"[Majr] 🗙 Search
	Advanced Create alert 勾選subheading後以OR作為
	Save Email …
Myncbi filters 🖪	1,324 results
RESULTS BY YEAR	 Promising Health Benefits of the Strawberry: A Focus on Clinical Studies Afrin S, et al. J Agric Food Chem 2016 - <i>Review</i>. PMID 27172913
∠" <u>↓</u>	🔿 Searching 🕊 Cite < Share
	 Strawberry as a health promoter: an evidence based review Giampieri F, et al. Food Funct 2015 - <i>Review</i>. PMID 25803191
2001 2020	◯ Searching ^C Cite ^S Share
Abstract	 Genome-wide analysis of the NAC transcription factor family and their expression during the development and ripening of the Fragaria × ananassa fruits Moyano E, et al. PLoS One 2018. PMID 29723301 Free PMC article.
Full text	🔿 Searching 🕊 Cite < Share

Pub Med.gov	anthracnose Advanced Create alert		X Search User (uide
MYNCBI FILTERS	Save Email … 1,102 results 」 」 0 Colletotrichum Species (au)		orted by: Best match	♥ 目anthracnose查詢
u ⁿ ⊥ 0 1905 2020	 Liu X, et al. Sci Rep 2018. PMID 299 Anthracnose caused by Collectoric However, research on the diversity ChinaOf these, C. siamense and anthracnose of H. brasiliensis Cite < Share 	992950 Free PMC article. chum is one of the most severe diseases and geographical distribution of Colleto C. australisinense have been recognized	of Hevea brasiliensis. htrichum remains limited in as major causative agents of	
		Pub Med.gov	Paenibacillus polymyx Advanced Create alert	OR biocontrol OR callose OR fusaricidins OR induced X Search User Guide
步驟三: 結生物防	一般查詢 治的有關國	里以OR連 關鍵字查詢	Save Email 268,384 results The Role of Reac 1 Van Acker H and Coe	Sorted by: Best match
			Recently, it was propo antibiotics, involving provide an overview contradictory results 0	sed that there is a common mechanism behind the activity of bactericidal he production of reactive oxygen species (ROS)In the present review, we f the data supporting the ROS hypothesis; we also present data that explain the often obtained when studying antibiotic- induced ROS production

PubMed Advanced Search Builder		Pub	Med.go	v		
Add terms to the query box All Fields Enter a search term Query box ((Paenibacillus polymyxa OR biocontrol OR reactive oxygen species) AND (anthracnose "Fragaria/anatomy and histology"[Majr] OR "Fraqaria/ OR "Fraqaria/cytology"[Majr] OR "Fraqaria/	callose OR fusaricidins OR induced systemic resistance OR)) AND (("Fragaria/adverse effects"[Majr] OR R "Fragaria/chemistry"[Majr] OR "Fragaria/classification"[Majr] 'druq effects"[Majr] OR "Fragaria/embryology"[Majr] OR	User Gui Al Sho X	de ND Y ow Index arch Y	U.S. National Libra National Center for Biote	ary of Medicine echnology Information ((Paenibacillus polymyxa OR biocontrol Advanced Create alert	Lo OR callose OR fusaricidins OR induce X Sear
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#4 h AND are More Actions h AND are Add with OR #3 Delete #2 Save to MyNCBI F	ibacillus polymyxa OR biocontrol OR callose OR fu R induced systemic resistance OR reactive oxygen racnose agaria/adverse effects" [Majr] OR "Fragaria/anato	Result: 268,384 1,102 1,324	 Time 03:00:27 02:59:57 02:59:00 		 The Elicitor Protein AsES Induce Accompanied by Systemic Micr Fragaria ananassa. Hael-Conrad V. et al. Mol Plant Microbe 	es a Systemic Acquired Resistance Response robursts and Micro-Hypersensitive Responses in
"Fragaria/c r] OR "Frag ajr] OR "Frag ajr] OR "Frag velopment aria/metab "Fragaria/p [Majr] OR effects"[M	ology"[Majr] OR "Fragaria/chemistry"[Majr] OR "F sification"[Majr] OR "Fragaria/cytology"[Majr] OR lrug effects"[Majr] OR "Fragaria/embryology"[Maj aria/enzymology"[Majr] OR "Fragaria/etiology"[Maj agaria/genetics"[Majr] OR "Fragaria/etiology"[M agaria/genetics"[Majr] OR "Fragaria/etiology"[M iggaria/genetics"[Majr] OR "Fragaria/etiology"[M iggaria/genetics"[M iggaria/geneti	【一二三 包結重新	的檢 〔組合	索策	AsES activates innate immunity and confi strawberry plants (Fragaria × ananassa D responses occurred following a spatial ar acquired resistance), spreading out to un acquired resistance)	ers resistance against anthracnose and gray mold diseases in uch.) and the last disease also in ArabidopsisAll these nd temporal program, first induced in infiltrated leaflets (local ntreated lateral leaflets, and later, to distal leaves (systemic
	ucture"[Majr] OR "Fragaria/vire			Free full text Full text ARTICLE ATTRIBUTE	Antifungal activity of volatile co strain MarR44 and its potential causal agent strawberry anthra	mpounds produced by Staphylococcus sciuri for the biocontrol of Colletotrichum nymphaeae cnose .

1-1101111

★ Major Topic

MeSH terms

- > Acremonium / physiology *
- > Cell Death / genetics
- > Cell Wall / metabolism
- > Disease Resistance *
- > Fluorescence
- > Fragaria / genetics
- > Fragaria / immunology *
- > Fragaria / microbiology \star
- > Fungal Proteins / metabolism *
- > Gene Expression Regulation, Plant
- > Genes, Plant
- > Lignin / metabolism
- > Necrosis
- > Pathogen-Associated Molecular Pattern Molecules / metabolism
- > Plant Diseases / genetics
- > Plant Diseases / immunology 🖈
- > Plant Diseases / microbiology *
- > Plant Leaves / microbiology
- > Respiratory Burst *
- > Salicylic Acid / metabolism
- > Subtilisin / metabolism \star



MeSH查詢:擴大縮小檢索範圍

Restrict to MeSH Major Topic.

都不勾

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

Tree Numb MeSH Unic Entry Terma 條件的主題詞(Insulin Resistance)及其狹義

- Resi 詞(Metabolic Syndrome X)
- · Sensitivity, Insulin

All MeSH Categories Diseases Category Nutritional and Metabolic Diseases Metabolic Diseases Glucose Metabolism Disorders Hyperinsulinism Insulin Resistance Metabolic Syndrome X MeSH terms Aged Alanine Transaminase/blood Aspartate Aminotransferases/blood Blood Glucose/metabolism Blood Pressure Body Composition C-Reactive Protein/metabolism Cholesterol, HDL/blood Diet, Healthy* Exercise/physiology* Female Glycated Hemoglobin A/metabolism Health Status Humans Inflammation/blood Insulin/blood Interleukins/blood* Male Metabolic Syndrome/blood Metabolic Syndrome/diagnosis Middle Aged Randomized Controlled Trials as Topic Triglycerides/blood

MeSH查詢:擴大縮小檢索範圍 勾RESTRICT TO MESH MAJOR TOPIC (限定主要標題)

Restrict to MeSH Major Topic.

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

Tree Number(s): C18.452.394.968.500, G07.690.773.984.617

MeSH Un Entry Tern 比對書目資料中MeSH Terms的主要標題Major

- . Re Topic*是否有符合查詢條件的主題詞(Insulin
- : Resistance) 及其狹義詞(Metabolic Syndrome >



MeSH terms Adult Cross-Sectional Studies Humans Male Metabolic Syndrome/blood Metabolic Syndrome/epidemiology* Middle Aged Military Personnel/statistics & numerical data* Naval Medicine Risk Factors Uric Acid/blood*



Restrict to MeSH Major Topic.

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

Tree Number(s): C18.452.394.968.500, G07.690.773.984.617 MeSH Unique ID: D007333

比對書目資料中的MeSH Terms是否有符合查詢條件(Insulin Resistance)

Sensitivity, Insulin



MeSH terms <u>Blood Glucose</u> <u>Humans</u> <u>Hyperinsulinism*</u> <u>Hypoglycemia*</u> <u>Insulin</u> <u>Insulin Resistance*</u> <u>Postprandial Period</u>

MeSH查詢:擴大縮小檢索範圍 都勾(限定主要標題AND排除狹義詞)

Restrict to MeSH Major Topic.

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

Tree Number(s): C18.452.394.968.500, G07.690.773.984.617 MeSH Unique ID: D007333

比對書目資料中的MeSH Terms的主要標題Major Topic*是否有符合查詢條件(Insulin Resistance)

Sensitivity, Insulin

All MeSH Categories Diseases Category Nutritional and Metabolic Diseases Metabolic Diseases Glucose Metabolism Disorders Hyperinsulinism Insuin Resistance Metabolic Syndrome X MeSH terms Aged Biomarkers/blood Blood Glucose/analysis* China Cohort Studies Coronavirus Infections/blood* Coronavirus Infections/complications* Coronavirus Infections/diagnosis Coronavirus Infections/mortality Diabetes Complications*/blood Diabetes Complications*/diagnosis Diabetes Complications*/mortality Female Humans Insulin Resistance*

MeSH查詢:擴大縮小檢索範圍 (為省篇幅未勾選副標目做範例)

勾選	檢索策略	說明	檢索結果
不勾	"Insulin Resistance" [Mesh]	比對書目資料中MeSH Terms是 否有符合查詢條件的主題詞及 其狹義詞	68,956
勾I (限定Major Topic) 兼具廣度與深	"Insulin Resistance" [Majr] 译度的檢索策略	比對書目資料中MeSH Terms的 主要標題Major Topic*是否有符 合查詢條件的主題詞及其狹義 詞	43,681 勝
勾 2 (排除狹義詞)	"Insulin Resistance" [Mesh:NoExp]	比對書目資料中的MeSH Terms 是否有符合查詢條件者	48,107
都勾 (限定 Major Topic) (排除狹義詞)	"Insulin Resistance" [Majr:NoExp]	比對書目資料中MeSH Terms的 主要標題Major Topic*是否有符 合查詢條件者	24,989





Clinical Queries

臨床資源查詢。提供臨床醫生查詢臨床資源。包含有Searchby Clinical Study Category、Find Systematic Reviews、Medical Genetics Searches。詳細請參考「<u>PubMed 中的主題篩選指</u> <u>令懶人包</u>」。



SNCBI Resources 🗵 How To 🖸

Sign in to NCBI

PubMed Clinical Queries

Results of searches on this page are limited to specific clinical research areas. For comprehensive searches, use PubMed directly.

Please enter search term(s)

Clinical Study Categories

This column displays citations filtered to a specific clinical study category and scope. These search filters were developed by <u>Haynes RB et al.</u> See more <u>filter information</u>.

Systematic Reviews

This column displays citations for systematic reviews, metaanalyses, reviews of clinical trials, evidence-based medicine, consensus development conferences, and guidelines. See <u>filter</u> <u>information</u> or additional <u>related sources</u>.

Medical Genetics

This column displays citations pertaining to topics in medical genetics. See more <u>filter information</u>.

Search

臨床文獻篩選-研究種類

PubMed Clinical Queries

Results of searches on this page are limited to specific clinical research areas. For comprehensive searches, use PubMed directly.

dog lymphoma		Search
Clinical Study Categories Category: Therapy	egory Systematic Reviews	Medical Genetics Topic: All
Scope: Etiology Diagnosis Therapy Prognosis Results: 5 Clinical prediction guides	依臨床研究內容主軸分!	5 類:
Novel Treatments for Lymphoma. Thamm DH. Vet Clin North Am Small Anim Pract 2019 Sep: 49(5):903-915. En	Therapy (治療):治療/	預防方法的有效性
	Diagnosis (診斷):檢查	方法/臨床表徵對診斷的有效性
	Etiology (病因):暴露的	的危害或疾病的原因
	Prognosis (預後):建立	在疾病未來發展的病程和結局之預測模式
to for for for for for for for for for fo	Clinical prediction gui	des (臨床預測指南)

臨床文獻篩選-檢索準確度

	Clinical Study Categories	Clinical Study Categories
	Category: Therapy	Category: Therapy
Clinical Study Categories	Scope: Broad	Scope: Narrow
Category: Therapy Scope: Broad Broad Narrow Results: 5 of 660	Results: 5 of 660 Nover freatments for Lymphoma. Thamm DH. Vet Clin North Am Small Anim Pract. 2019 Sep; 49(5):903-915. Epub 2019 May 29. Hypercalcemia of Malignancy in a Dog Diagnosed With Cholangiocellular Carcinoma. Martínez-Sogues L, Vila A, Roura X, Pastor J, Novellas R, Marco A, Iz M, Martínez J, Solano-Gallego L. n Anim Med. 2019 Jun; 35:1-5. Epub 2019 Feb 20. Human Nonlinear Pharmacokinetics of a New Bch-	Results: 5 of 27 A randomized controlled trial of the effect of prednisone omission from a multidrug chemotherapy protocol on treatment outcome in dogs with peripheral nodal lymphomas. Childress MO, Ramos-Vara JA, Ruple A. J Am Vet Med Assoc. 2016 Nov 1; 249(9):1067-1078. Comparison of efficacy and toxicity of doxorubicin and mitoxantrone in combination chemotherapy for canine. Jymphoma. Wang SL, Lee JJ, Liao AT. Can Vet J. 2016 Mar; 57(3):271-6.
	2 Inhibitor Using PBPK Modeling and Interspecies Extrapolation Strategy. Pierrillas PB, Henin E, Ball K, Ogier J, Amiel M, Kraus-Berthier L, Chenel M, Bouzom F, Tod M. Drug Metab Dispos. 2019 Jun; 47(6):648-656. Epub 2019 Apr 2.	OUTCOME OF DOGS WITH INTRANASAL LYMPHOMA TREATED WITH VARIOUS RADIATION AND CHEMOTHERAPY PROTOCOLS: 24 CASES. George R, Smith A, Schleis S, Brawner W, Almond G, Kent M, Wypij
	Prognostic significance of peripheral blood and bone marrow infiltration in newly-diagnosed canine nodal marginal zone lymphoma. Marconato L, Comazzi S, Aresu L, Riondato F, Stefanello D, Ferrari B, Martini V	Vet Radiol Ultrasound. 2016 May; 57(3):306-12. Epub 2016 Jan 13. Enhanced therapeutic effect of APAVAC immunotherapy in combination with dose-intense chemotherapy in dogs with advanced indolent B-cell lymphoma.
	Vet J. 2019 Apr; 246:78-84. Epub 2019 Feb 10.	Marconato L, Stefanello D, Sabattini S, Comazzi S, Riondato F, Laganga P, Frayssinet P, Pizzoni S, Rouquet N, Aresu L. Vaccine, 2015 Sep 22: 33(39):5080-6. Epub 2015 Aug 18
	modified MOPP treatment protocols in dogs with multi-centric T-cell or hypercalcaemic lymphoma.	Phase I clinical trial and pharmacodynamic evaluation of
E	Angelo G, Cronin K, Keys D. J Small Anim Pract. 2019 Jul; 60(7):430-437. Epub 2019 Feb 21.	pet dogs treated for spontaneously occurring lymphoma.
1 1-12/11/1	See all (660)	A, Thamm DH. Autophagy. 2014 Aug: 10(8):1415-25. Epub 2014 May 20.



Clinical Study Categories	Systematic Reviews	Medical Genetics
Category: Therapy		Topic: All
Scope: Narrow		
		- 夏傳學土題怕簡乂獻 -
Results: 5 of 27	Results: 2 of 2	Results: 5 of 341
A randomized controlled trial of the effect of prednisone omission from a multidrug chemotherapy protocol on treatment	Prognostic significance of morphotypes in canine lymphomas: A systematic review of literature.	Clonality testing as complementary tool in the assessment of different patient groups with canine chronic enteropathy.
outcome in dogs with peripheral nodal lymphomas. Childress MO, Ramos-Vara JA, Ruple A.	Sayag D, Fournel-Fleury C, Ponce F. Vet Comp Oncol. 2018 Mar; 16(1):12-19. Epub 2017 May 19.	Luckschander-Zeller N, Hammer SE, Ruetgen BC, Tichy A, Thalhammer JG, Haas E, Richter B, Welle M, Burgener IA. Vet Immunol Immunonathol. 2019 Aug: 214:100903, Epub 2019, Jul
	Conformity and controversies in the diagnosis, staging and	10.
mitoxantrone in combination chemotherapy for canine	review of the last 15 years of published literature.	Novel Noninvasive Diagnostics.
lymphoma. Wang SL, Lee JJ, Liao AT. Can Vet J. 2016 Mar; 57(3):271-6.	Marconato L, Polton GA, Sabattini S, Dacasto M, Garden OA, Grant I, Hendrickx T, Henriques J, Lubas G, Morello E, et al. Vet Comp Oncol. 2017 Sep; 15(3):1029-1040. Epub 2016 Jul 14.	Wiley C, Wise CF, Breen M. Vet Clin North Am Small Anim Pract. 2019 Sep; 49(5):781-791. Epul 2019 Jul 4.
OUTCOME OF DOGS WITH INTRANASAL LYMPHOMA TREATED WITH VARIOUS RADIATION AND CHEMOTHERAPY PROTOCOLS: 24 CASES.	See all (2)	Duodenal expression of antimicrobial peptides in dogs with idiopathic inflammatory bowel disease and intestinal lymphoma.
George R, Smith A, Schleis S, Brawner W, Almond G, Kent M, Wypij J, Borrego J, Moore A, Keyerleber M, et al. Vet Radiol Ultrasound. 2016 May; 57(3):306-12. Epub 2016 Jan 13.	This column displays citations for systematic reviews. See <u>filter</u> information or additional <u>related sources</u> .	Nakazawa M, Maeda S, Omori M, Kaji K, Yokoyama N, Nakagawa T, Chambers JK, Uchida K, Ohno K, Yonezawa T, et al. Vet J. 2019 Jul; 249:47-52. Epub 2019 May 21.
Enhanced combination advanced 所有结果 munotherapy in py in dogs with Marconato L. Stefanello D. Sabattini S. Comazzi S. Riondato F.	系統性文獻回顧	Genome-wide DNA copy number analysis and targeted transcriptional analysis of canine histiocytic malignancies identifies diagnostic signatures and highlights disruption of spindle assembly complex.
Laganga P, Frayssinet P, Pizzoni S, Rouquet N, Aresu L. Vaccine. 2015 Sep 22; 33(39):5080-6. Epub 2015 Aug 18.		Kennedy K, Thomas R, Durrant J, Jiang T, Motsinger-Reif A, Breen M.
Phase I clinical trial and pharmacodynamic evaluation of		
combination hydroxychloroquine and doxorubicin treatment in pet dogs treated for spontaneously occurring lymphoma.		CAR T Cell Immunotherapy in Human and Veterinary Oncology: Changing the Odds Against Hematological Malignancies.
A, Thamm DH. Autophagy. 2014 Aug; 10(8):1415-25. Epub 2014 May 20.		Mochel JP, Ekker SC, Johannes CM, Jergens AE, Allenspach K, Bourgois-Mochel A, Knouse M, Benzekry S, Wierson W, LeBlanc

AK, et al.

AAPS J. 2019 Apr 8: 21(3):50. Epub 2019 Apr 8.

See all (27)



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館藏故事 臺灣本土第一次發現鱷魚化 石的可能證據

書名 地質學雜誌

Imprint 東京:東京地質學會,日本地質學會,明治26[1893]-

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電子資源 (Electronic Resources)

	刊名(Title)	所屬資料庫/出版社 (Service Provider)	全文年代(Dates of Coverage)	其他 Inf
地質學雜誌		日本地質學會	1893-	公開取月
地質學雜誌(Journal of the Geological Society of Japan)		日本地質学会	1893-2009	公開取月
龍藏地	總圖			
陳列處	2F密集書庫129排			
伯献	2:13(1895)-51:609(19 98:1164(1992),98:116	44),67:784-795(1961),68 6(1992)-99:1168(1993),9	3:802(1962),69:814(1 99:1171(1993)-112:13	963),70 335(200
龍蘇地	總圖5F綜合資料區			
陳列處	總圖5F綜合資料區-國分直	Í-		
龍藏	68:800-801,803-804(1	1962)		



135	日本にて意思されてない意見、小に時意思が認識がない。
	日本にて齶の化石の發見
	理學博士 德 永 重 康

本標品は豪灣臺南州新化郡左鎮庄にて發見されたる者にして, 崖下川端に轉 在せし者なり。其生活時代を確定し得テと難, 同處附近に Pliopleistocene 朝 哺乳類化石の轉在せることと, 此邊一體の地層の關係より察すれば, 鮮新世文 は更新世産ならむかと推測さる。標本は頭部の一部にして圓錐形菌の入りたる 酶構左右各6個保存さるるのみ。不完全なれども, 骨の表面は爬蟲類固有の粗 整構造を有すること, 及び全體の形狀より推して, 爬蟲類外の他の動物類, 例 令ば哺乳類中の遊水類, 海牛類, 海產食肉類と區別し得らる可し。頭部先端は 細長く突出し形態として鬱科中の Gavialidae 又は Tomiostomidae に屬す可 し。但し本標本は菌敷の少なくして, 菌の大さ著しき點を特徴とし, 現存せる Gavialis giganticus (GMEL), Tomiostoma sehlegelii Münen とは明らかに 達あり。又從來發表されたる印度其他亞細亞產の鬱化石とも一致せす。多分 と屬する者なる可し。

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			areas is more practical and eff SDA and CM. Strawberry farr	ficient than classic destruction mers could profit greatly from	ve methods. In particular, early detection (the incubation stage), something that cannot be seen via naked eyes, reaches 80% classification accuracy with both n this technology.	
		Number of References:	24 ref.			
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1. First Report , Chun Academic Journal	of Anthracnose Crown Rot of Strawberry Caused by Colletotrichum siamense in Taiwan Ig, PC., Plant disease, 2019 July, v. 103, no. 7, Plant Disease, Database: Agricola ets: Colletotrichum acutatum; Colletotrichum dematium; Fragaria ananassa; Glomerella cingulata; actin; anthracnose; calmodulin; chitin synthase; conidia; crop production; crown rot; cultivar; fungi; girdling; hyphae; industry; intergenic DNA; leaf spot; marbling; necrosis; pathogenicity; petioles; relative humidity; roots; runoff; salmon; seedlings; species identification; sporodochia; species; tissues; tubulin; wilting; Taiwan	cultivation area; aying;	 Paraquat glyphosat Molecular of Qo Anthracno and Roo Go to: Folde
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, Kao, Hung-Yuan, Journal of general plant pathology, 2019 Jan., v. 85, no. 1, p. 23-32., Springer Japan, Database: Agricola

Subjects: Glomerella cingulata; anthracnose; conidia; foliar spraying; fungi; germination; glufosinate; glyphosate; growers; hyphae; inoculum; leaves; paraquat; pathogens; soil; soil drenching; soil microorganisms; strawberries; Taiwan

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FUNGAL DISEASES

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Paraquat and glyphosate increase severity of strav caused by Colletotrichum gloeosporioides

Hung-Yuan Kao¹ · Kuang-Ren Chung¹ · Jenn-Wen Huang^{1,2}

Received: 23 May 2018 / Accepted: 1 August 2018 / Published online: 15 October 2018 © The Phytopathological Society of Japan and Springer Japan KK, part of Springer Nature 2018

Abstract

Strawberry anthracnose caused by *Colletotrichum gloeosporioides* has recent concurrence with herbicide use by growers. In evaluations of the effects of parad *osporioides*, anthracnose severity and soil microbial communities, paraquat and g production and germination, and soil survival of *C. gloeosporioides*; glufosini glyphosate, but not paraquat or glufosinate, increased populations of fungi and y more severe on leaves after either foliar sprays or drenches with paraquat or gly Thus, a sudden outbreak of strawberry anthracnose is likely attributable to the sti pathogen. To minimize the inoculum potential of *C. gloeosporioides* and anthr eliminate any plant debris after herbicide treatment.

Keywords Colletotrichum · Glufosinate · Glyphosate · Herbicides · Paraquat · St

Introduction

Strawberry (*Fragaria* x ananassa Duch.) is one of the most profitable crops in Taiwan. Strawberry plants are propagated annually from runners between April and September and transplanted to the field around October. Strawberries can be picked as early as mid-November, and the harvest season can last up to 5 months. While strawberry plants are increasingly grown on elevated benches in Taiwan, many are still planted in the ground. Strawberry anthracnose caused by *Colletotrichum gloeosporioides* has increased in Taiwan in recent years. Although the causal pathogen has been in the area for many years, it has rarely been a concern for strawberry growers, unlike grey mold caused by the fungus *Botrytis cinerea*, which has been a serious disease in all strawberry-growing areas in Taiwan. A greater incidence of anthracnose has coincided with the use of herbicides on several strawberry farms in Dahu Township in central Taiwan in 2014; thus, the sudden outbreaks of *C. gloeosporioides* on strawberry could be due to stimulatory effects of the herbicides on the causal pathogen.

Herbicides or pesticides, if used inappropriately, can increase pathogen colonization and plant disease incidence and severity (see review by Kortekamp 2011). The term iatrogenic plant disease was first coined by Horsfall (1979)

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Paraquat and glyphosate increase severity of strawberry anthracnose caused by Colletotrichu m gloeosporioides ISSN: 1345-2630, 1610-739X

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臺大圖書館研究資源 資料庫(學術演講)

Biomedical & Life Sciences Collection [Henry Stewart Talks]

收錄超過1200篇世界頂尖專家學者的學術發表演說 (Seminar style presentations), 涵蓋生醫生命科學領域RNA Interference等之46種之次主題,提供投影片動態顯示 及同步演說之隨選遠距學習,保留主講人之原音重現,可關鍵字檢索所需的學術發表 演說,可下載PDF檔講義。



學習影片

Journal of Visualized Experiments (JoVE) 是經由同儕審閱並被 PubMed / Medline 所收錄的視覺化實驗期刊包 含生物、臨床轉譯醫學、神經科學、 免疫感染等主題

另推出Science Education 資料庫系列,提供多種主題實驗教學與研究方法參考的(目前本校僅訂購 IS部影片)



臺大圖書館研究資源 實驗指南

名稱	出版社	形 式	更新	本校訂購	如何連線使用
Springer Protocols	Springer	叢書	不定期	1980-2013	圖書館首頁 →研究資源→ 電子資源 → 電子書 ,搜尋 「Springer Protocols」
Current Protocols	Wiley	叢書	每季	1997-2018 15種主題	圖書館首頁 →研究資源→ 電子資源 → <mark>資料庫</mark> ,搜尋 「Current Protocols」
Journal of Visualized Experiments	JoVE	期 刊	每月	2010迄今 10種主題	圖書館首頁 →研究資源→ 電子資源 → <mark>資料庫</mark> ,搜尋 「JoVE」
Nature Protocols	Nature	期 刊	每月	2006迄今	圖書館首頁 → 研究資源→ 電子資源 → 電子期刊 , 搜 尋「Nature Protocols」
CSH Protocols	Cold Spring Harbor	期 刊	每月	未訂購	





臺大圖書館研究資源 電子期刊資料庫

ScienceDirect (SDOL)

收錄Elsevier所發行之全文電子期刊。

透過SDOL平台(Elsevier國外主機)使用,僅本校所訂購之電子期刊可直接於線上下載 全文。請從圖書館首頁之「電子期刊」介面查詢可使用之全文年代及注意事項。

臺大圖書館研究資源 電子書

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開放研究資源 圖書與期刊

Biodiversity Heritage Library

結合世界上自然史及植物學圖書 館進行古老文獻數位化,並免費 提供全文。(小故事)

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https://www.biodiversitylibrary.org/

SORA: Searchable Ornithological Research Archive

美國各鳥類學會以及新墨西哥大學 圖書館合作建置的世界上第一個且 最大規模的open access鳥類學出 版品系統,提供連結至北美120年 來與鳥類學及其歷史相關的各種文 獻全文。

https://sora.unm.edu/node



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BioMed Central Open Access Journals(BMC)

BMC 出版社為開放取用期刊之先驅為免費全文資料庫,提供BMC 出版以醫學、生命科學為主之文獻含270餘種期刊

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為1999 年由American Institute of Biological Sciences (AIBS)、 SPARC (Scholarly Publishing & Academic Resources Coalition)、 The University of Kansas、Greater Western Library Alliance 和 Allen Press, Inc. 創建之全球性非營利性合作組織

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http://agris.fao.org/agris-search/index.do

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公開取用的實驗室指南

https://openwetware.org/wiki/Protocols



公開取用的實驗室指南

Bio-protocol

經同儕審核的生命科 學實驗室指南資料庫, 每個指南都有詳細指 引如何複製出相同的 實驗。每個指南都有 Q&A功能提供指南作 者與使用者互動的機 制。

https://bio-protocol.org/Default.aspx



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Genetically encoded light-up RNA aptamers have been shown to be promising tools for the visualization of RNAs in living cells, helping us to advance our understanding of the broad and complex life of RNA. Although a handful of light-up aptamers spanning the visible wavelength region have been developed, none of them have yet been reported to be compatible with advanced super-resolution techniques, mainly due to



– FishBase: A Global Information System on Fishes

http://fishbase.org/search.php

可查詢各種魚類

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Photo by Brett, O.J. / www.tropicalfavourites.com





Cetoscarus bicolor (Randall, J.E.)



Cetoscarus ocellatus (Randall, J.E.)

海洋生物照片資料庫

NOAA Photo Library

美國海洋及大氣總署之 數位化相片圖書館,內 容涵蓋數個世紀以來, 從地球中心到太陽表面 的圖片,包含許多海洋 生物的照片。

http://www.photolib.noaa.gov/





Open-i

https://openi.nlm.nih.gov/



COVID-19 Information Links : CDC Update Images Articles



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Search by text or dropping an image.



生物資訊研究常用平台與資料庫

GenBank http://www.ncbi.nlm.nih.gov/genbank/

GenBank是NCBI發展的提供分子生物資料的 公開資料庫。目前許多期刊要求在發表文章 時,須將DNA序列存入GenBank中取得 Accession number後才可發表。

EMBL-EBI http://www.ebi.ac.uk/

DDBJ (DNA Data Bank of Japan) <u>http://www.ddbj.nig.ac.jp/</u>

Sanger Centre http://www.sanger.ac.uk/

SWISS-PROT http://web.expasy.org/groups/swissprot/

PDB (The Protein Bank) http://www.rcsb.org/pdb/

PIR (Protein Information Resource) <u>http://pir.georgetown.edu/</u>

PRF (Protein Research Foundation) <u>http://www.prf.or.jp/en/</u>

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https://www.gbif.org/



GBIF-Global Biodiversity Information Facility

生物多樣性公約中要求各國要加強分類學之能力建設 (Taxonomic Capacity Building) 並推動全球分類學倡議 (Global Taxonomy Initiative),制訂全球生 物多樣性資訊交換機制,故在聯合國之經濟合作開發組織 (the Organization for Economic Co-operation and Development,簡稱OECD)的推動下,於 2001 年正式成立了全球生物多樣性資訊機構 (Global Biodiversity Information Facility, GBIF) 積極蒐集、整合全球生物多樣性之相關資訊,並公

平合理地與世界各國分享

生物多樣性相關資料庫

http://www.taibif.tw/

TaiBIF

「臺灣生物多樣性資訊機構, Taiwan Biodiversity Information Facility」之簡稱, 即臺灣的GBIF入口網站,負責整 合臺灣地區生物多樣性之相關資 訊,含物種名錄,專家名錄,物 種基本解說,圖片,特有種,外 來入侵種,臺灣陸域與海域生物 分布、生物多樣性文獻資料、地 理資訊、環境資訊,及相關機構、 團體、計畫、景點、生物資料庫

及出版物等等各類資料。





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https://gpss.tipo.gov.tw/



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https://www.dgbas.gov.tw/np.asp?ctNode=6281

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 □ 橫跨多種學科領域的學術網站,搜索全球相關學術研究作品,包含研究報告、論文、書籍、摘要與文章等。 □ 免費的索引摘要型資料庫、免費的電子資源整合檢索介面
□ <u>https://scholar.google.com.tw/</u> (.tw可省略)
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