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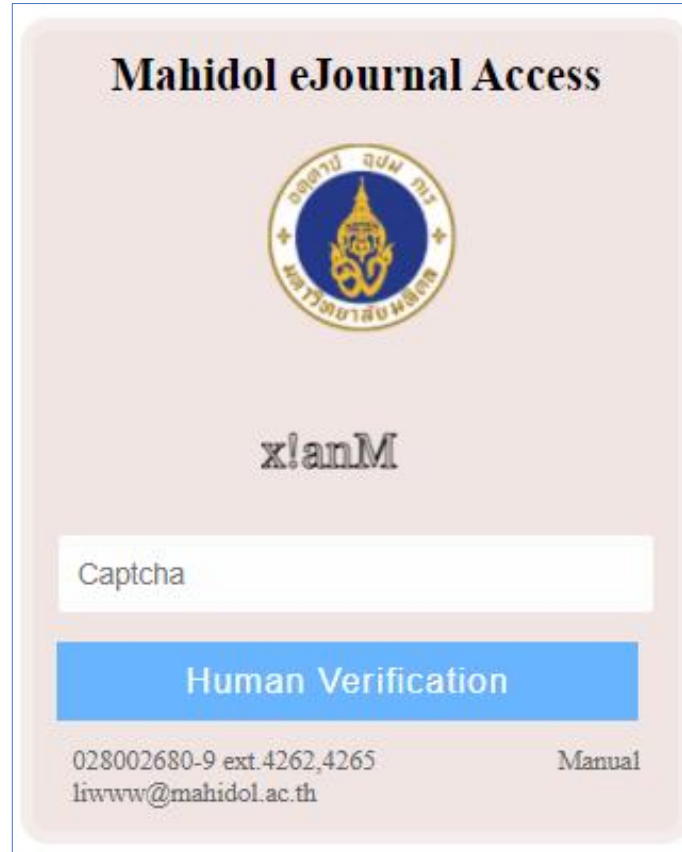
1. แนะนำการเข้าแหล่งสารสนเทศ
(อธิบายช่องทางการเข้าถึงวารสารและฐานข้อมูล)
2. แนะนำ Boolean Operators และกลุ่มคำ Thesaurus/Synonyms
3. แนะนำการใช้งานฐานข้อมูล Scopus & Web of Science

แนะนำเข้าแหล่งสารสนเทศ


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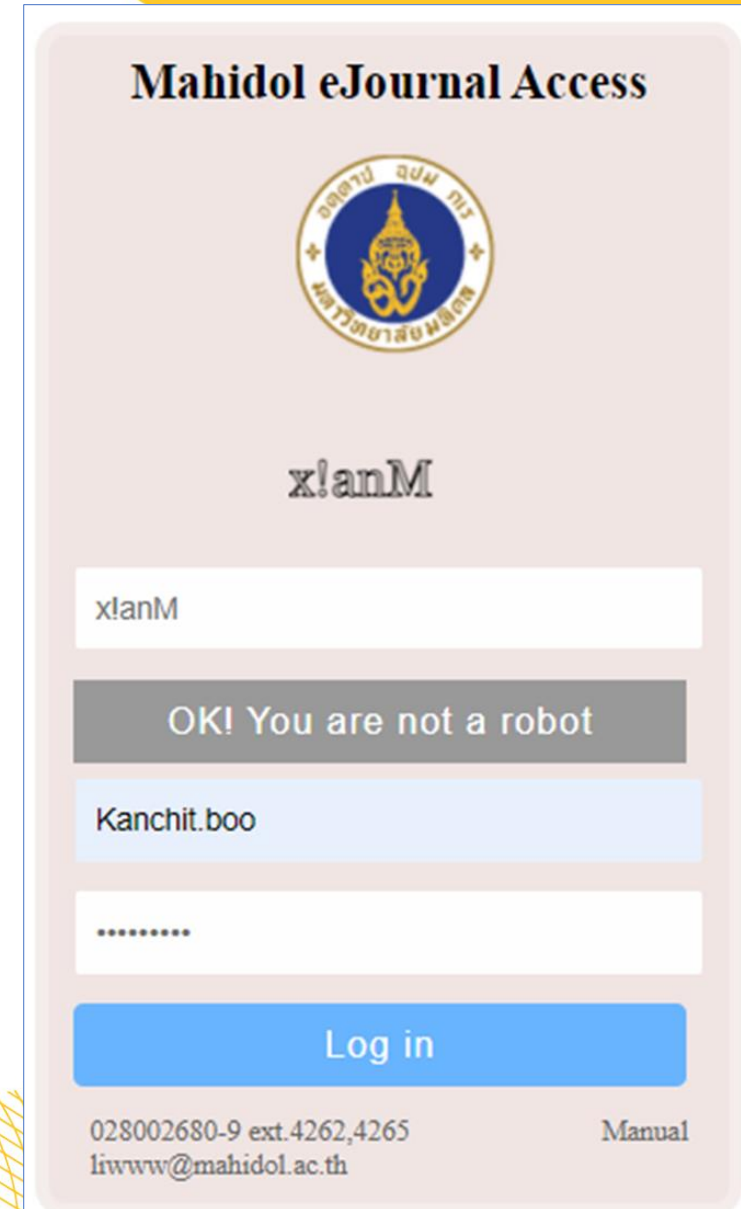


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COVID-19

ข้อมูลโคโรนาไวรัสสายพันธุ์ใหม่ 2019
(COVID-19)



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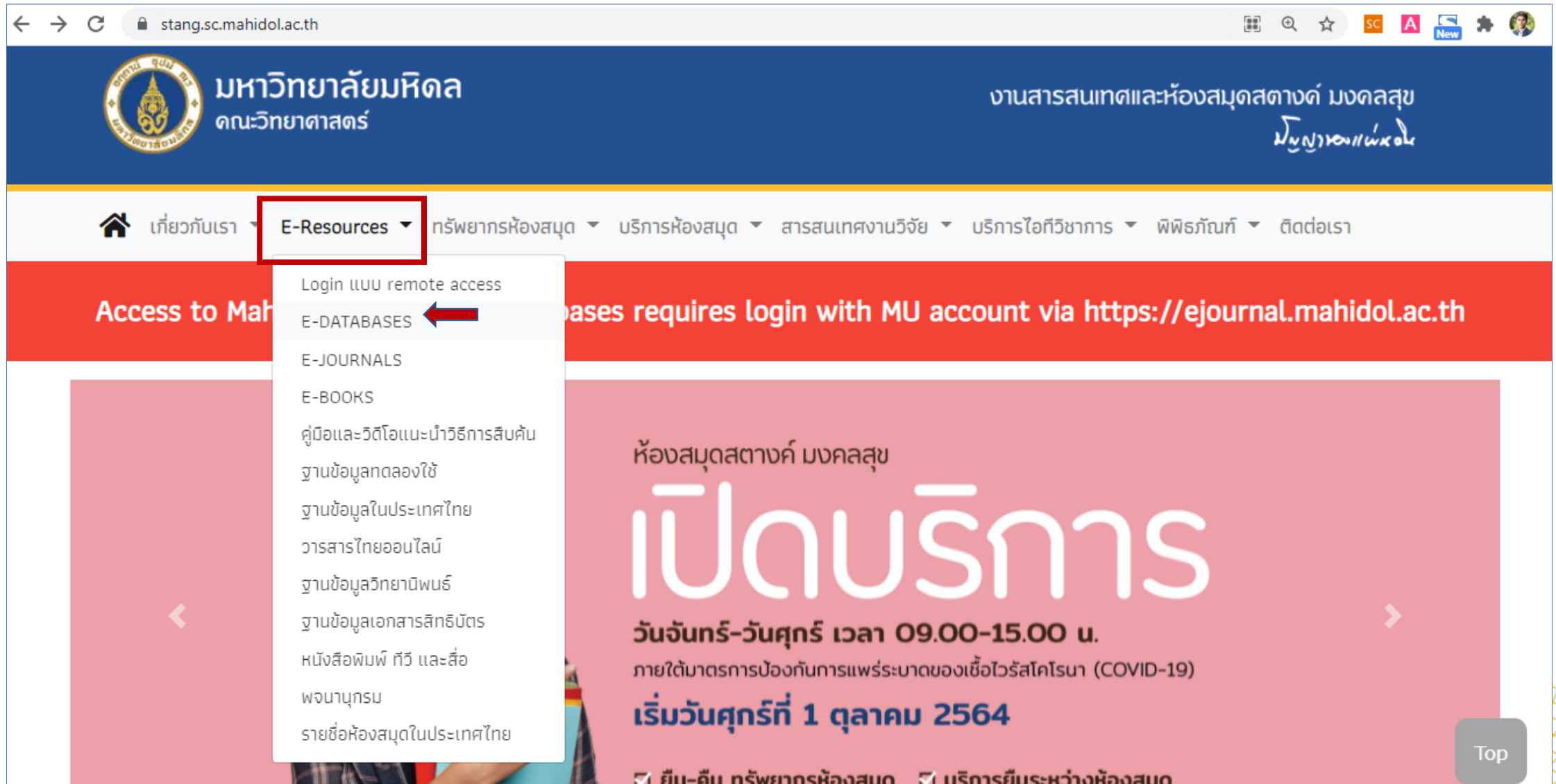


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The screenshot shows the Mahidol University STANG website. The header includes the university logo and name in Thai, and the text "งานสารสนเทศและห้องสมุดสตางค์ มงคลสุข" (Information and Library Services, Mahachulalongkornrajavidyalaya University). The main navigation bar has a red background with white text. The "E-Resources" menu is highlighted with a red box, and its dropdown list is visible. The dropdown list includes "Login แอู remote access", "E-DATABASES" (highlighted with a blue arrow), "E-JOURNALS", "E-BOOKS", and several Thai language options. The main content area features a large banner with the text "ห้องสมุดสตางค์ มงคลสุข" (STANG Library, Mahachulalongkornrajavidyalaya University) and "เปิดบริการ" (Open Service) from 09.00-15.00 on Thursdays and Fridays, starting from October 1, 2024. A "Top" button is located in the bottom right corner.

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ห้องสมุดสตางค์ มงคลสุข

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วันจันทร์-วันศุกร์ เวลา 09.00-15.00 น.

ภายใต้มาตรการป้องกันการแพร่ระบาดของเชื้อไวรัสโคโรนา (COVID-19)

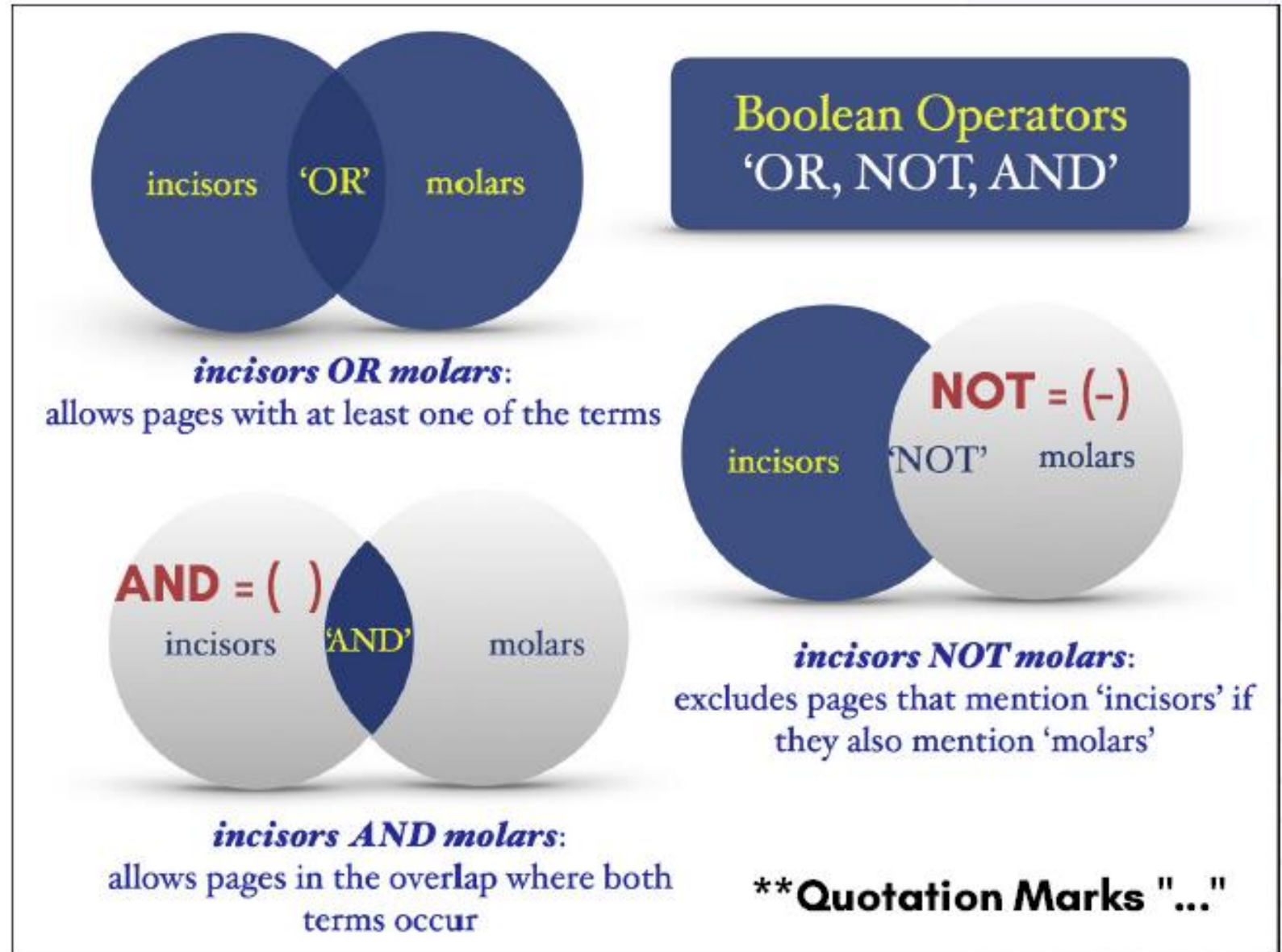
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Top

2. แนะนำวิธีการสืบค้น


Boolean Operators เป็น
 การสร้างความเชื่อมโยงของ
 keywords ตั้งแต่ 2 คำขึ้นไป



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Search results

Items: 1 to 20 of 396 << First < Prev Page 1 of 20 Next > Last >>

- ☐ [Neoplasms](#)
 1. New abnormal growth of tissue. Malignant **neoplasms** show a greater degree of anaplasia and have the properties of invasion and metastasis, compared to benign **neoplasms**.
Year introduced: /diagnosis was NEOPLASM DIAGNOSIS 1964-1965
- ☐ [Hereditary Breast and Ovarian Cancer Syndrome](#)
 2. Autosomal dominant HEREDITARY **CANCER** SYNDROME in which a mutation most often in either BRCA1 or BRCA2 is associated with a significantly increased risk for breast and ovarian cancers.
Year introduced: 2012
- ☐ [Early Detection of Cancer](#)
 3. Methods to identify and characterize **cancer** in the early stages of disease and predict tumor behavior.
Year introduced: 2009

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MeSH MeSH Limits Advanced

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Neoplasms

New abnormal growth of tissue. Malignant neoplasms show a greater degree of anaplasia and have the properties of invasion and metastasis, compared to benign neoplasms.
Year introduced: /diagnosis was NEOPLASM DIAGNOSIS 1964-1965

PubMed search builder options

Subheadings:

<input type="checkbox"/> abnormalities	<input type="checkbox"/> education	<input type="checkbox"/> pathology
<input type="checkbox"/> administration and dosage	<input type="checkbox"/> embryology	<input type="checkbox"/> pharmacology
<input type="checkbox"/> analysis	<input type="checkbox"/> enzymology	<input type="checkbox"/> physiology
<input type="checkbox"/> anatomy and histology	<input type="checkbox"/> epidemiology	<input type="checkbox"/> physiopathology
<input type="checkbox"/> antagonists and inhibitors	<input type="checkbox"/> ethnology	<input type="checkbox"/> prevention and control
<input type="checkbox"/> biosynthesis	<input type="checkbox"/> etiology	<input type="checkbox"/> psychology
<input type="checkbox"/> blood	<input type="checkbox"/> genetics	<input type="checkbox"/> radiation effects
<input type="checkbox"/> blood supply	<input type="checkbox"/> growth and development	<input type="checkbox"/> radiotherapy
<input type="checkbox"/> cerebrospinal fluid	<input type="checkbox"/> history	<input type="checkbox"/> rehabilitation
<input type="checkbox"/> chemical synthesis	<input type="checkbox"/> immunology	<input type="checkbox"/> secondary
<input type="checkbox"/> chemically induced	<input type="checkbox"/> injuries	<input type="checkbox"/> statistics and numerical data



Tree Number(s): C04

MeSH Unique ID: D009369

Entry Terms:

- Neoplasia
- Neoplasias
- Neoplasm
- Tumors
- Tumor
- Cancer
- Cancers
- Malignancy
- Malignancies
- Malignant Neoplasms
- Malignant Neoplasm
- Neoplasm, Malignant
- Neoplasms, Malignant
- Benign Neoplasms
- Neoplasms, Benign
- Benign Neoplasm
- Neoplasm, Benign

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MeSH

Full

Mutation

Any detectable and heritable change in the genetic material that causes a change in the GENOTYPE and which is transmitted to daughter cells and to succeeding generations.

Year introduced: 1964

PubMed search builder options

Subheadings:

<input type="checkbox"/> adverse effects	<input type="checkbox"/> economics	<input type="checkbox"/> pathology
<input type="checkbox"/> analysis	<input type="checkbox"/> embryology	<input type="checkbox"/> pharmacology
<input type="checkbox"/> anatomy and histology	<input type="checkbox"/> enzymology	<input type="checkbox"/> physiology
<input type="checkbox"/> antagonists and inhibitors	<input type="checkbox"/> epidemiology	<input type="checkbox"/> physiopathology
<input type="checkbox"/> biosynthesis	<input type="checkbox"/> ethics	<input type="checkbox"/> prevention and control
<input type="checkbox"/> blood	<input type="checkbox"/> ethnology	<input type="checkbox"/> psychology
<input type="checkbox"/> cerebrospinal fluid	<input type="checkbox"/> etiology	<input type="checkbox"/> radiation effects
<input type="checkbox"/> chemical synthesis	<input type="checkbox"/> genetics	<input type="checkbox"/> rehabilitation
<input type="checkbox"/> chemically induced	<input type="checkbox"/> history	<input type="checkbox"/> standards
<input type="checkbox"/> chemistry	<input type="checkbox"/> immunology	<input type="checkbox"/> statistics and numerical data
<input type="checkbox"/> classification	<input type="checkbox"/> instrumentation	<input type="checkbox"/> surgery

Tree Number(s): G05.365.590

MeSH Unique ID: D009154

Entry Terms:

- Mutations

See Also:

- [DNA Damage](#)
- [Mutagens](#)
- [Polymorphism, Restriction Fragment Length](#)
- [Suppression, Genetic](#)
- [Mutagenesis](#)
- [Antimutagenic Agents](#)

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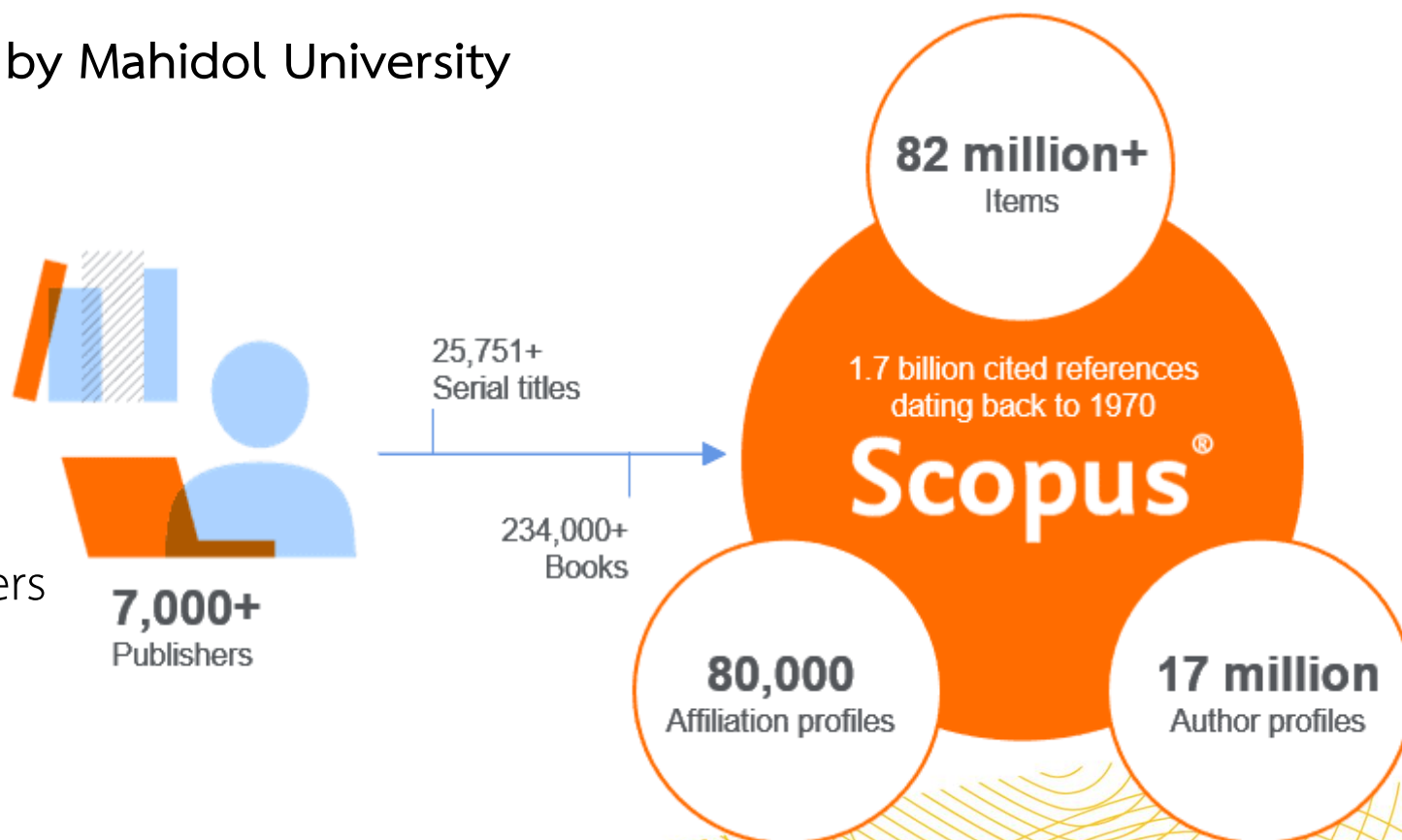




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Keywords: “Bacterial Proteins” AND Mutation AND DNA Damage

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AND 


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Search documents
DNA Damage



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<input type="checkbox"/> 1	Rec(F/O/R) proteins of the nitrogen-fixing cyanobacterium Nostoc PCC7120: In silico and expression analysis	Pandey, S., Kumar, A., Kirti, A., Gupta, G.D., Rajaram, H.	2021

Date (newest)

- Date (newest)
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<div>A large network of bacterial proteins promotes endogenous DNA damage and mutations when upregulated, acting like protein carcinogens, and has human homologs that form a cancer predictive network.</div>					
<input type="checkbox"/> 2	The bacterial protein CNF1 as a potential therapeutic strategy against mitochondrial diseases: A pilot study <i>Open Access</i>	Fabbri, A., Travaglione, S., Maroccia, Z., (...), Loizzo, S., Fiorentini, C.	2018	International Journal of Molecular Sciences 19(7),1825	8
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<input type="checkbox"/> 3	Transcriptional coupling (Mfd) and DNA damage scanning (DisA) coordinate excision repair events for efficient Bacillus subtilis spore outgrowth <i>Open Access</i>	Valenzuela-García, L.I., Ayala-García, V.M., Regalado-García, A.G., Setlow, P., Pedraza-Reyes, M.	2018	MicrobiologyOpen 7(5),e00593	6

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<input type="checkbox"/> 3	Transcriptional coupling (Mfd) and DNA damage scanning (DisA) coordinate excision repair events for efficient Bacillus subtilis spore outgrowth <i>Open Access</i>	Valenzuela-García, L.I., Ayala-García, V.M., Regalado-García, A.G., Setlow, P., Pedraza-Reyes, M.	2018	Microbiology 176(5),e00593	

Abstract

A large network of bacterial proteins promotes endogenous DNA damage and mutations when upregulated, acting like protein carcinogens, and has human homologs that form a cancer predictive network. © 2018 Elsevier Inc.

DNA damage provokes mutations and cancer and results from external carcinogens or endogenous cellular processes. However, the intrinsic instigators of endogenous DNA damage are poorly understood. Here, we identify proteins that promote endogenous DNA damage when overproduced: the DNA "damage-up" proteins (DDPs). We discover a large network of DDPs in Escherichia coli and deconvolute them into six function clusters, demonstrating DDP mechanisms in three: reactive oxygen increase by transmembrane transporters, chromosome loss by replisome binding, and replication stalling by transcription factors. Their 284 human homologs are over-represented among known cancer drivers, and their RNAs in tumors predict heavy mutagenesis and a poor prognosis. Half of the tested human homologs promote DNA damage and mutation when overproduced in human cells, with DNA damage-elevating mechanisms like those in E. coli. Our work identifies networks of DDPs that provoke endogenous DNA damage and may reveal DNA damage-associated functions of many human known and newly implicated cancer-promoting proteins. © 2018 Elsevier Inc.

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<input type="checkbox"/> 1	Mechanism and DNA-based detection of field-evolved resistance to transgenic Bt corn in fall armyworm (<i>Spodoptera frugiperda</i>) Open Access	Banerjee, R., Hasler, J., Meagher, R., (...), Narva, K., Jurat-Fuentes, J.L.	2017	Scientific Reports 7(1),10877	60
	View abstract View at Publisher Related documents				
<input type="checkbox"/> 2	Genome-wide transcription-coupled repair in <i>Escherichia coli</i> is mediated by the Mfd translocase Open Access	Adebali, O., Chiou, Y.-Y., Hu, J., Sancar, A., Selby, C.P.			
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<input type="checkbox"/> 1	Rec(F/O/R) proteins of the nitrogen-fixing cyanobacterium Nostoc PCC7120: In silico and expression analysis	Pandey, S., Kumar, A., Kirti, A., Gupta, G.D., Rajaram, H.	2021

Date (newest) 

Date (newest)

Date (oldest)

Cited by (highest)

Cited by (lowest)


Relevance


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113 document results

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Source ↓

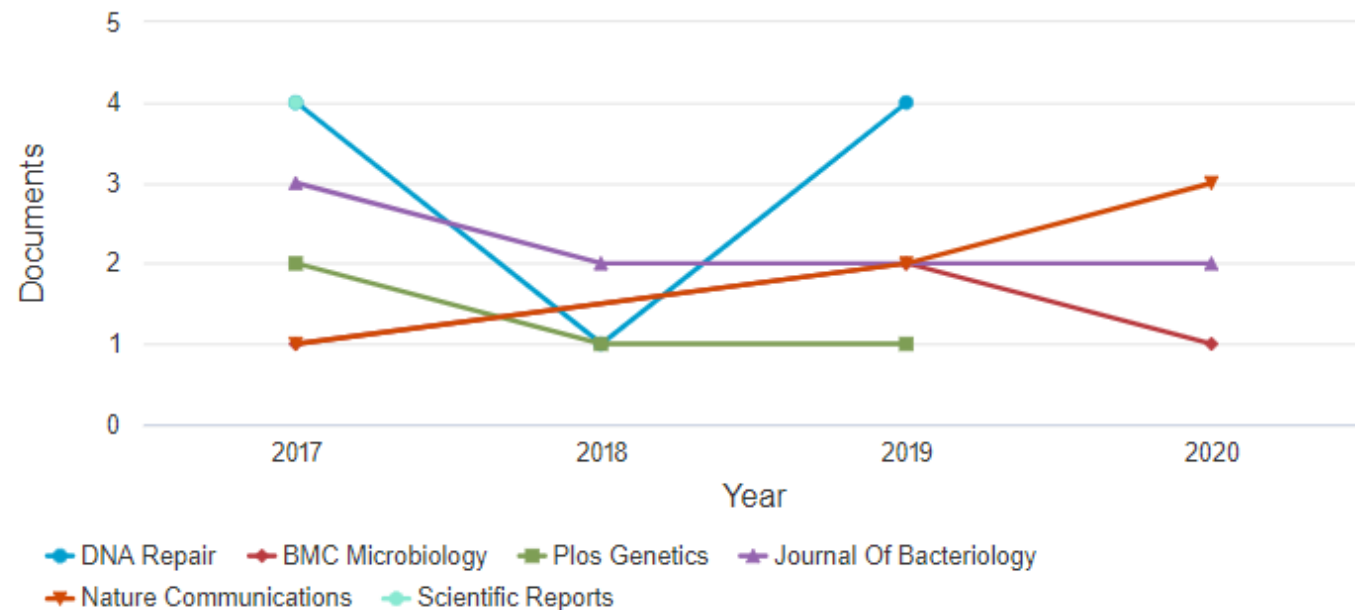
Documents ↑

<input checked="" type="checkbox"/> DNA Repair	9
<input checked="" type="checkbox"/> Journal Of Bacteriology	7
<input checked="" type="checkbox"/> Nature Communications	6
<input checked="" type="checkbox"/> BMC Microbiology	4
<input checked="" type="checkbox"/> Plos Genetics	4
<input checked="" type="checkbox"/> Scientific Reports	4
<input type="checkbox"/> Frontiers In Cellular And Infection Microbiology	3
<input type="checkbox"/> Frontiers In Microbiology	3

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Analyze Search Results

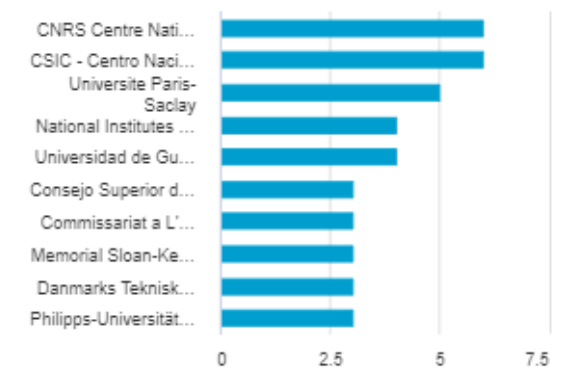
Documents by year



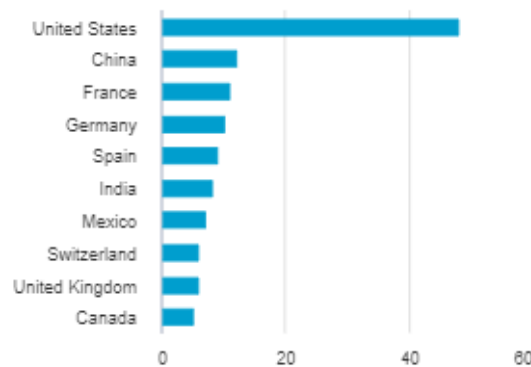
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Document title

Authors

Year Source

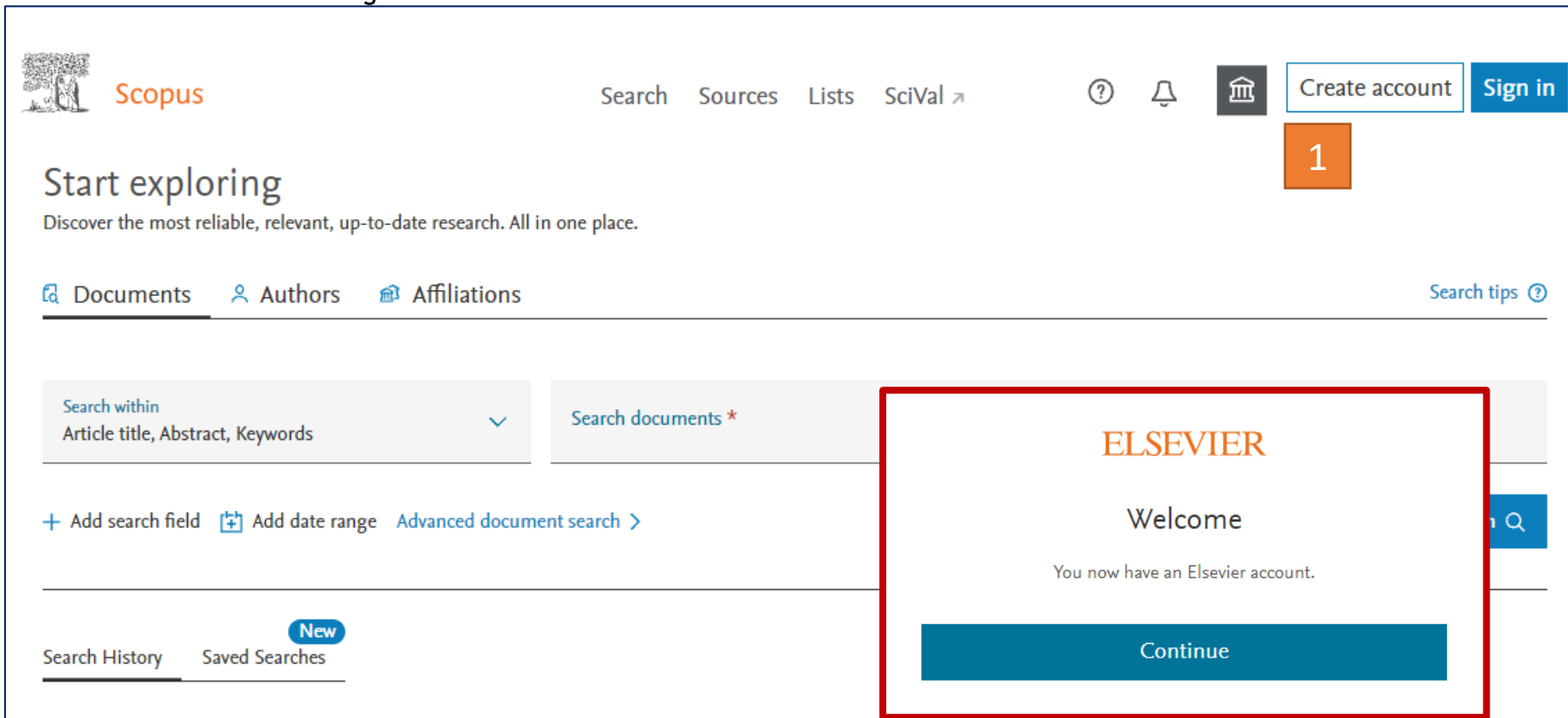
Cited by

- | | Document title | Authors | Year | Source | Cited by |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------|-------------------------------|----------|
| <input type="checkbox"/> 1 | Mechanism and DNA-based detection of field-evolved resistance to transgenic Bt corn in fall armyworm (<i>Spodoptera frugiperda</i>)
Open Access | Banerjee, R., Hasler, J., Meagher, R., (...), Narva, K., Jurat-Fuentes, J.L. | 2017 | Scientific Reports 7(1),10877 | 63 |

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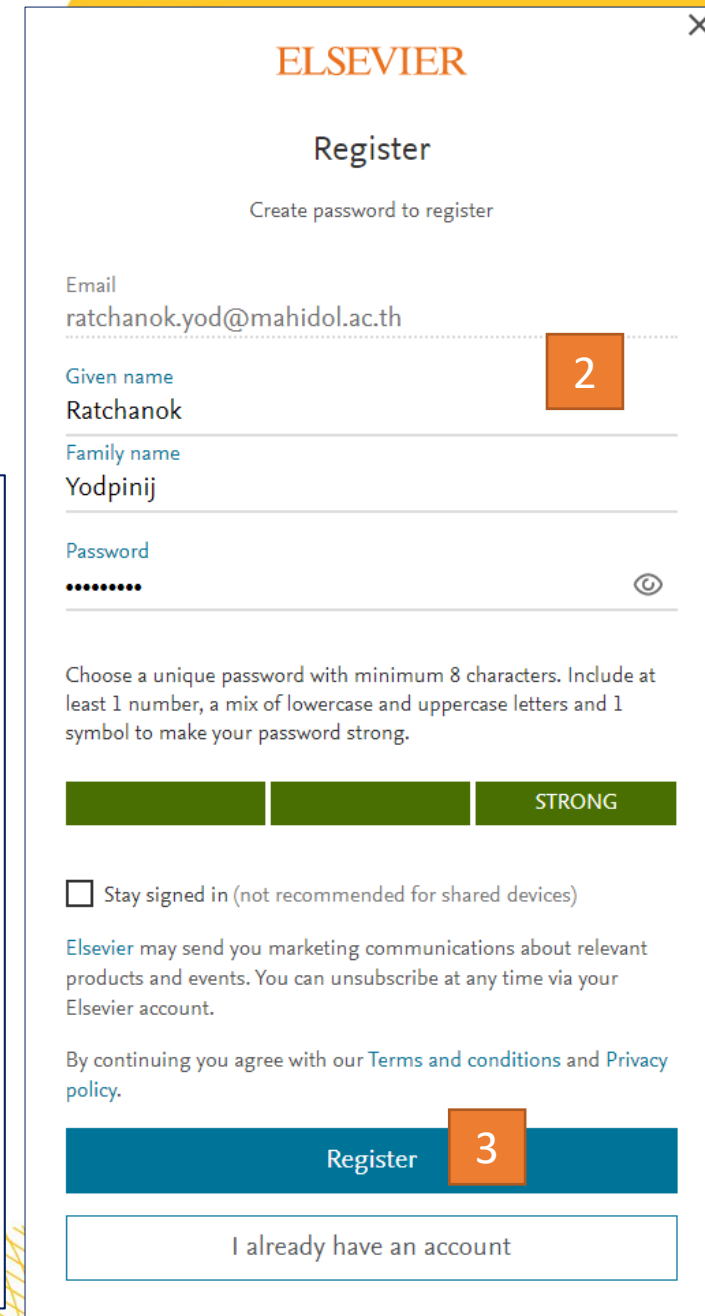
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ELSEVIER

Register

Create password to register

Email
ratchanok.yod@mahidol.ac.th

Given name
Ratchanok

Family name
Yodpinij

Password
.....

Choose a unique password with minimum 8 characters. Include at least 1 number, a mix of lowercase and uppercase letters and 1 symbol to make your password strong.

STRONG

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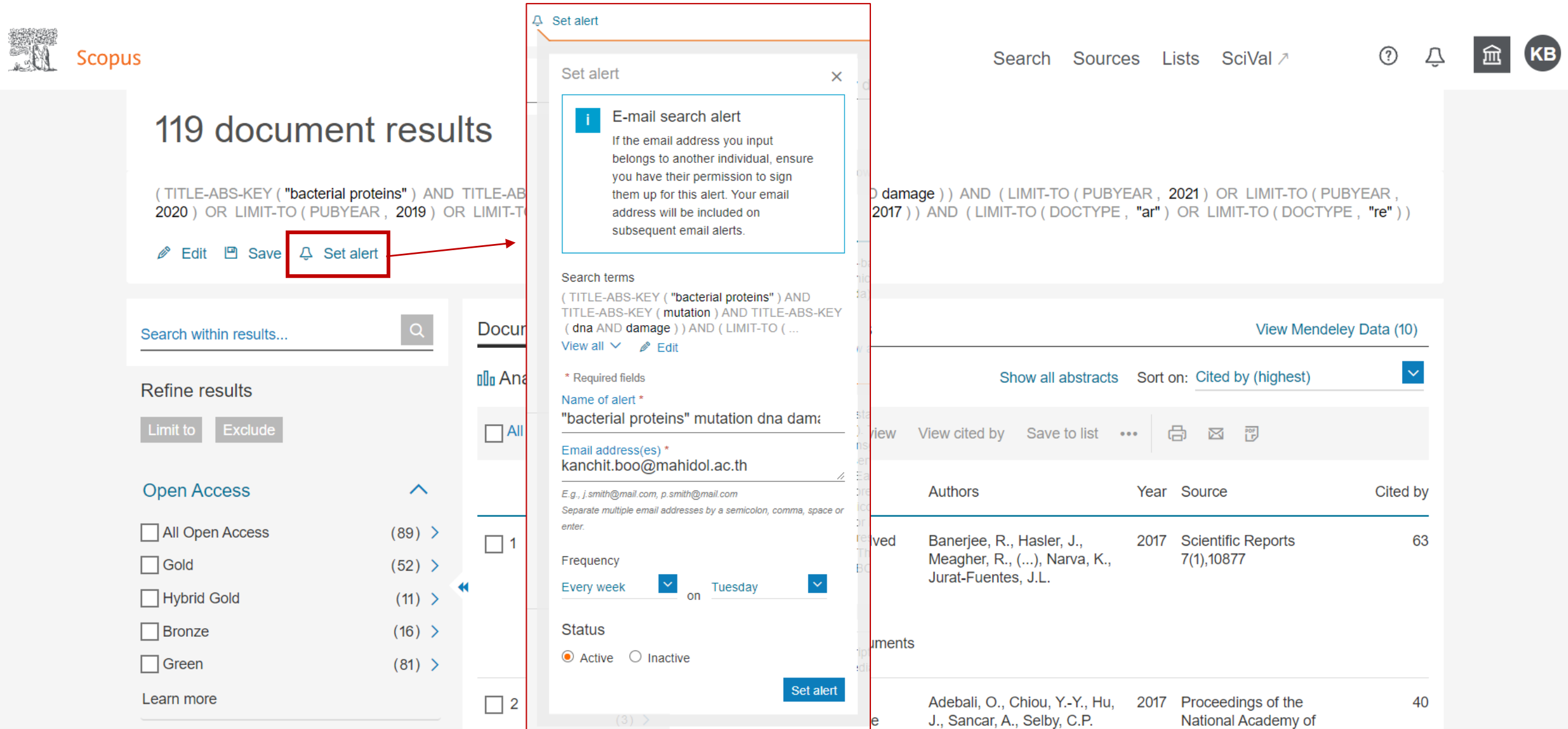
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The screenshot shows the Scopus search results page for the query: (TITLE-ABS-KEY ("bacterial proteins") AND TITLE-ABS-KEY (mutation) AND TITLE-ABS-KEY (dna AND damage)) AND (LIMIT-TO (PUBYEAR , 2021) OR LIMIT-TO (PUBYEAR , 2017)) AND (LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "re")). The results show 119 document results. A red box highlights the 'Set alert' button in the top right of the results area. A red arrow points from this button to a 'Set alert' modal window. The modal window contains an 'E-mail search alert' information box, a 'Search terms' section with the query, a 'Name of alert' field with the value "bacterial proteins" mutation dna dam:, an 'Email address(es)' field with the value kanchit.boon@mahidol.ac.th, a 'Frequency' dropdown set to 'Every week' on 'Tuesday', and a 'Status' section with 'Active' selected. A 'Set alert' button is at the bottom right of the modal. The background shows the Scopus interface with a search bar, navigation links (Search, Sources, Lists, SciVal), and a list of search results.

Scopus

119 document results

(TITLE-ABS-KEY ("bacterial proteins") AND TITLE-ABS-KEY (mutation) AND TITLE-ABS-KEY (dna AND damage)) AND (LIMIT-TO (PUBYEAR , 2021) OR LIMIT-TO (PUBYEAR , 2017)) AND (LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "re"))

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Search terms
(TITLE-ABS-KEY ("bacterial proteins") AND TITLE-ABS-KEY (mutation) AND TITLE-ABS-KEY (dna AND damage)) AND (LIMIT-TO (...))
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Name of alert *
"bacterial proteins" mutation dna dam:

Email address(es) *
kanchit.boon@mahidol.ac.th

Frequency
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Status
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Authors	Year	Source	Cited by
Banerjee, R., Hasler, J., Meagher, R., (...), Narva, K., Jurat-Fuentes, J.L.	2017	Scientific Reports 7(1),10877	63
Adebali, O., Chiou, Y.-Y., Hu, J., Sancar, A., Selby, C.P.	2017	Proceedings of the National Academy of Sciences	40

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	Document title	Authors
<input type="checkbox"/> 1	Mechanism and DNA-based detection of field-evolved resistance to transgenic Bt corn in fall armyworm (Spodoptera frugiperda) <i>Open Access</i>	Banerjee, R., Hasle... Meagher, R., (...), N... Jurat-Fuentes, J.L.
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<input type="checkbox"/> 2	Genome-wide transcription-coupled repair in Escherichia coli is mediated by the Mfd translocase	Adebali, O., Chiou, Y.-Y., Hu, J., Sancar, A., Selby, C.P.

KB

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Saved on	Alert name	Search query	Frequency	Date last run	Actions	Status
1. 19 Oct 2021	"bacterial proteins" mutation dna damage	(TITLE-ABS-KEY("bacterial proteins") AND TITLE-ABS-KEY(mutation) AND TITLE-ABS-KEY(dna damage)) AND (LIMIT-TO (PUBYEAR,2021) OR LIMIT-TO (PUBYEAR,2020) OR LIMIT-TO (PUBYEAR,2019) OR LIMIT-TO (PUBYEAR,2018) OR LIMIT-TO (... View all ↕	Every week	19 Oct 2021 Check for new results	 Edit alert  Delete alert	<input checked="" type="radio"/> Active <input type="radio"/> Inactive

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And ▾

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Example: liver disease india singh

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+ Add date range

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✕ Clear

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All Databases

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Search

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on Higher Education

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All Fields ^

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Author
Publication Titles
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Topic
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author keywords, and Keywords Plus.
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Example: liver disease india singh

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+ Add date range

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Add a date range

Click Add date range
to narrow your results
by index date.

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Index Date ▾

YYYY-MM-DD

to

YYYY-MM-DD

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Keyword: "Bacterial Protein"

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of 51

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1 Bacterial protein grown on natural gas in diets for Atlantic salmon, *Salmo salar*, in freshwater

Storebakken, T; Baeverfjord, G; (...); Berge, GM

Nov 26 2004 | AQUACULTURE 241 (1-4) , pp.413-425

Bacterial protein meal (BPM) produced on natural gas was evaluated with respect to growth, survival, body composition and histopathological indices in Atlantic salmon during the freshwater stage. In the diets, experimentally produced bacterial protein accounted for 0%, 6.25%, 12.5%, 25% and 50% of total dietary amino acids gradually replacing high- α ... [Show more](#)

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- ☐ 2020
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Keyword: “Bacterial Protein” AND DNA Damage

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1 Eukaryotic endonuclease VIII-Like proteins: New components of the base excision DNA repair system
Grin, JR and Zharkov, DO
Jan 2011 | BIOCHEMISTRY-MOSCOW 76 (1), pp.80-93
Base excision DNA repair is necessary for removal of damaged nucleobases from the genome and their replacement with normal nucleobases. Base excision repair is initiated by DNA glycosylases, the enzymes that cleave the N-glycosidic bonds of damaged deoxynucleotides. Until recently, only eight DNA glycosylases with different substrate speci ... [Show more](#)
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2 Gut Microbiota and Colon Cancer: A Role for Bacterial Protein Toxins?
Fiorentini, C; Carlini, F; (...); Fabbri, A
Sep 2020 | INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 21 (17)
Accumulating evidence indicates that the human intestinal microbiota can contribute to the etiology of colorectal cancer. Triggering factors, including inflammation and bacterial infections, may favor the shift of the gut microbiota from a mutualistic to a pro-carcinogenic configuration. In this context, certain bacterial pathogens can exert a pro-tumor ... [Show more](#)
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- ☐ 1 Eukaryotic endonuclease VIII-Like proteins: New components of the base excision **DNA** repair system
-  [Grin, IR and Zharkov, DO](#)
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- Base excision **DNA** repair is necessary for removal of damaged nucleobases from the genome and their replacement with normal nucleobases. Base excision repair is initiated by **DNA** glycosylases, the enzymes that cleave the N-glycosidic bonds of damaged deoxynucleotides. Until recently, only eight **DNA** glycosylases with different substrate speci ... [Show more](#)
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- ☐ 2 Gut Microbiota and Colon Cancer: A Role for **Bacterial Protein** Toxins?
-  [Fiorentini, C; Carlini, F; \(...\); Fabbri, A](#)
Sep 2020 | [INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES](#) 21 (17)
- Accumulating evidence indicates that the human intestinal microbiota can contribute to the etiology of colorectal cancer. Triggering factors, including inflammation and bacterial infections, may favor the shift of the gut microbiota from a mutualistic to a pro-carcinogenic configuration. In this context, certain bacterial pathogens can exert a pro-tumor ... [Show more](#)
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- ☐ 3 **Bacterial protein** toxins in human cancers
-  [Rosadi, F; Fiorentini, C and Fabbri, A](#)
Feb 2016 | [PATHOGENS AND DISEASE](#) 74 (1)
- Many bacteria causing persistent infections produce toxins whose mechanisms of action indicate that they could have a role in carcinogenesis. Some toxins, like CDT and colibactin, directly attack the genome by damaging **DNA** whereas others, as for example CNF1, CagA and BFT, impinge on key eukaryotic processes, such as cellular signalling and ce ... [Show more](#)
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- ☐ 1 Eukaryotic endonuclease VIII-Like proteins: New components of the base excision **DNA** repair system
-  [Grin, IR and Zharkov, DO](#)
Jan 2011 | [BIOCHEMISTRY-MOSCOW](#) 76 (1) , pp.80-93
- Base excision **DNA** repair is necessary for removal of damaged nucleobases from the genome and their replacement with normal nucleobases. Base excision repair is initiated by **DNA** glycosylases, the enzymes that cleave the N-glycosidic bonds of damaged deoxynucleotides. Until recently, only eight **DNA** glycosylases with different substrate specificity were known in human cells. In 2002, three new human **DNA** glycosylases (NEIL1, NEIL2, and NEIL3) were discovered, all homologous to endonuclease VIII, a **bacterial protein**, which also participates in **DNA** repair. The role of these enzymes remains mostly unknown. In this review we discuss recent data on the substrate specificity of the NEIL enzymes, their catalytic mechanism, structure, interactions with other components of **DNA** repair system, and possible biological role in preventing diseases associated with **DNA** damage.
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Eukaryotic endonuclease VIII-Like proteins: New components of the base excision DNA repair system

Grin, I.R. and Zharkov, D.O.
 Jan 2011 | BIOCHEMISTRY-MOSCOW 76 (1) , pp.80-93

Base excision DNA repair is necessary for removal of damaged normal nucleobases. Base excision repair is initiated by DNA damaged deoxynucleotides. Until recently, only eight DNA human cells. In 2002, three new human DNA glycosylases (N endonuclease VIII, a bacterial protein, which also participate unknown. In this review we discuss recent data on the sub structure, interactions with other components of DNA repair associated with DNA damage.

☐ 2
 ☐

Gut Microbiota and Colon Cancer: A Role for B

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Review | Published: 16 February 2011

Eukaryotic endonuclease VIII-Like proteins: New components of the base excision DNA repair system

I. R. Grin & D. O. Zharkov

Biochemistry (Moscow) 76, 80–93 (2011) | Cite this article

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Abstract

Base excision DNA repair is necessary for removal of damaged nucleobases from the genome and their replacement with normal nucleobases. Base excision repair is initiated by DNA glycosylases, the enzymes that cleave the N-glycosidic bonds of damaged deoxynucleotides. Until recently, only eight DNA glycosylases with different substrate specificity were known in human cells. In 2002, three new human DNA glycosylases (NEIL1, NEIL2, and NEIL3) were discovered, all homologous to endonuclease VIII, a bacterial protein, which also participates in DNA repair. The role of these enzymes remains mostly unknown. In this review we discuss

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Accumulating evidence indicates that the human intestinal microbiota can contribute to the etiology of colorectal cancer. Triggering factors, including inflammation and bacterial infections, may favor the shift of the gut microbiota from a mutualistic to a pro-carcinogenic configuration. In this context, certain bacterial pathogens can exert a pro-tumoral activity by producing enzymatically-active protein toxins that either directly induce host cell DNA damage or interfere with essential host cell signaling pathways involved in cell proliferation, apoptosis, and inflammation. This review is focused on those toxins that, by mimicking carcinogens and cancer promoters, could represent a paradigm for bacterially induced carcinogenesis.

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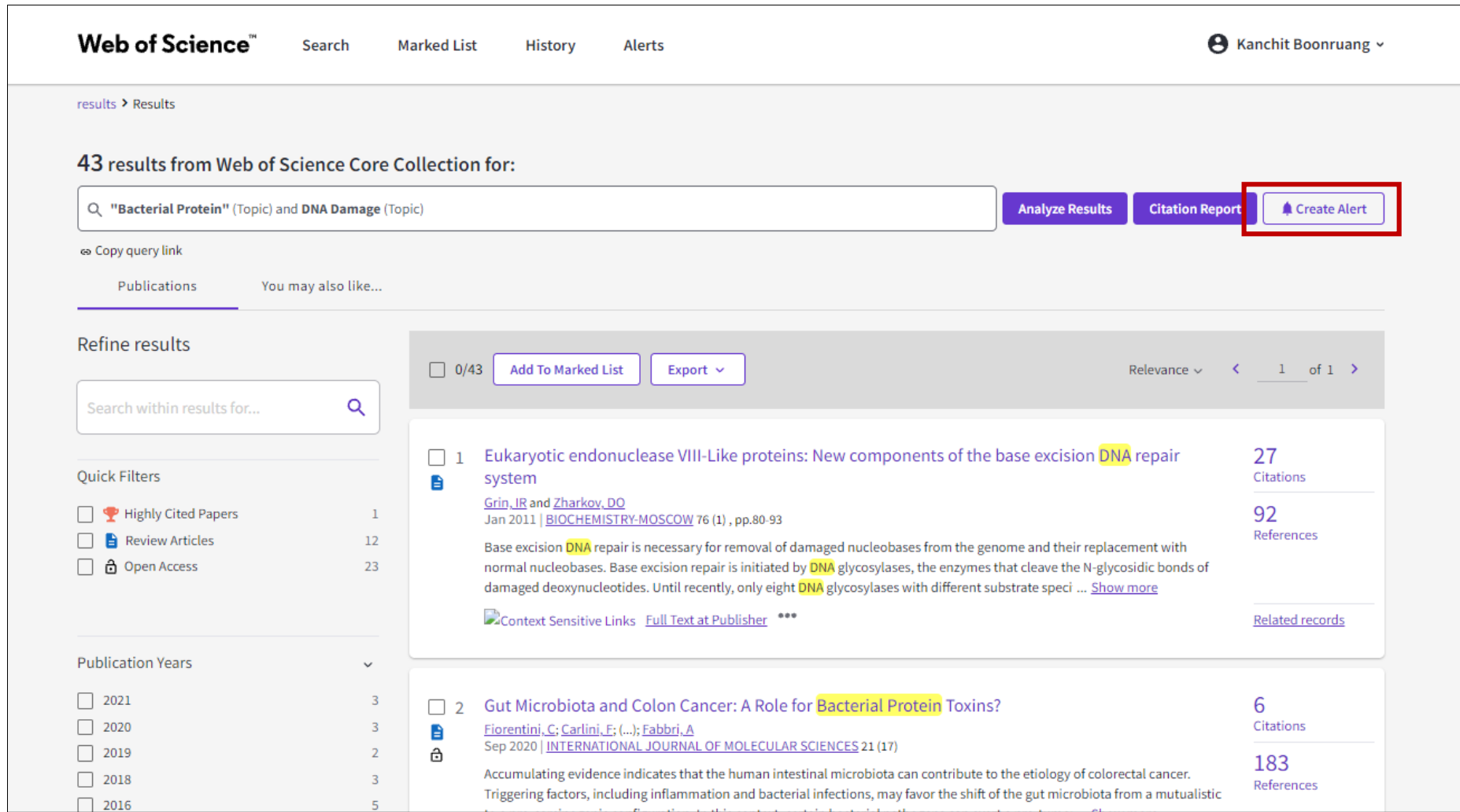
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