



Find Peer Reviewed Articles for Science


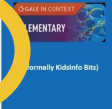



















using the Ebsco and Gale databases



Suggested databases:

- Explora
- Science in Context
- Academic One File

1:51 PM Mon Nov 9 apsva.instructure.com 92%

	General Encyclopedias	Encyclopedia en Español	Explora Primary
Databases	 Explora Secondary	 Science in Context Elementary (Formerly KidInfo Biz)	 Biographical profiles on influential people throughout history.
	 Includes Animals, Science, Biographies, Social Studies, Diseases, and Health. Also in Spanish!	 Includes States, Science, American Indian History, Social Studies, and Biographies!	 Includes Kids, Student, Advanced, Timelines, Discover, and Hallmarks!
	 Quick reference on a wide variety of topics.	 Books, images, and videos to support social studies and science.	
Science and Health Research	 Full text medical journals, magazines, reference works, multimedia, and more.	 Access to scientific articles, studies, images, videos, and reference materials.	 Real life + real answers Circular support for topics related to health and wellness.
Social Studies Research	 Information about countries around the world.	 Documents, essays, videos, and audio files exploring U.S. history topics.	 Documents, essays, videos, and audio files exploring world history topics.
Literature and Reading Resources	 Find your next great book and read-alike.	 Curated database of e-Books.	 Curated database of e-Books.
Contemporary Issues	 Provides journal, magazine, and magazine articles on various topics.	 Opinion, statistics, images, videos, articles, and magazine.	 Full text articles and resources on a variety of contemporary issues and topics.
Citation Tool	 Citation, note taking, and research tool.		

Explora Database

Type search terms into search field.

Example given is *friction*.

1:57 PM Mon Nov 9

Not Secure — web.a.ebscohost.com

explora

Friction

Search

- friction
- frictional unemployment
- friction reducing devices
- friction and shear
- frictional keratosis
- friction force
- friction coefficient
- friction massage
- friction stir welding
- friction welding

Learn More

Arts and Literature

Biography

Friction

Frictions

Frictional

Frída Káhlö

Edgar Allan Poe

Chief Crowfoot

Cormac McCarthy

Look at the results page

Results show 4,491
articles

Find the box that says
Peer Reviewed and tap it.



1:57 PM Mon Nov 9

AA Not Secure — web.aebcohost.com

Basic Search Advanced Search Search History

Search Results: 1 - 10 of 4,491 Relevance Page Options Share

TOPIC OVERVIEW
Friction.
Friction is the force that resists the sliding of one surface over another. The force of friction is responsible for the wear experienced by mechanical... [more](#)
Physics (Online Edition)

1. Understanding traction enhancers with Ueshima RTM friction tester.
By: Terrill, Edward R.; Hiroshi Yoshioka. *Rubber World*. Sep2020, Vol. 262 Issue 6, p36-43. 8p.
Periodical The article discusses the effects of three formulation variations on coefficient of friction in tire tread compounds were studied. Topics discussed include three formulation changes were examined...
Subjects: FRICTION; MATERIALS testing
[PDF Full Text](#) (3.1MB)

2. Friendly Friction.
By: DUENKEL, WES. *Muscle Mustangs & Fast Fords*. Jan2020, Vol. 33 Issue 1, p30-36. 6p. 22 Color Photographs. Reading Level (Lexile): 1510.
Periodical Engineers reduce belt slip by increasing belt surface area or friction between the belt and the pulley. With a fresh six-rib belt installed, our max boost remained 9.5 psi - meaning the Griptec p...
Subjects: FRICTION; METAL-spinning; HORSEPOWER
[PDF Full Text](#) (24.4MB)

Video Results (3 of 168) [View all results](#)

Now you have 236 results all of which are Peer Reviewed articles.

Special note regarding these results.

In the past, either the *HTML Full Text* or the *PDF Full Text* was not displaying on student iPads.

As a teacher, I cannot replicate this error.

If you try one way to view, and it doesn't work, try the other if it is available.

Please send me a message through inbox if you have a problem - Diane Tan.

1:57 PM Mon Nov 9
Not Secure — web.a.ebscohost.com

Basic Search Advanced Search Search History

Refine Results

Current Search

Boolean/Phrase: Friction

Limiters

Full Text

Peer Reviewed

Limit To

Full Text

Peer Reviewed

1934 Publication Date 2020

Show More Options set

Source Types

All Results

Academic Journals (216)

Magazines (6)

Lexile Range

1301-1500+ (49)

1101-1300 (13)

901-1100 (4)

401-700 (1)

701-900 (1)

Show More

Search Results: 1 - 10 of 236

Relevance Page Options Share

TOPIC OVERVIEW
Friction.
Friction is the force that resists the sliding of one surface over another. The force of friction is responsible for the wear experienced by mechanical... [more](#)
Physics (Online Edition)

1. Bodies in Tension: Movement and Friction in Rebecca Tansley's The Heart Dances — The Journey of The Piano: the ballet.

By: Crittenden, Jasmine. *Metro*. Aug2020, Issue 205, p50-53. 4p. 4 Color Photographs. Reading Level (Lexile): 1180.

Academic Journal

Subjects: HEART Dances - the journey of The Piano: the ballet, The (Film); TANSLEY, Rebecca; KELLY, Shaun James; DOCUMENTARY films

[HTML Full Text](#) [PDF Full Text](#) (5.6MB)

2. Frictional ageing from interfacial bonding and the origins of rate and state friction.

By: LI, Qunyang; Tullis, Terry E.; Goldsby, David; Carpick, Robert W. *Nature*. 12/8/2011, Vol. 480 Issue 7376, p233-236. 4p. 1 Diagram, 3 Graphs. DOI: 10.1038/nature10589.

Academic Journal

Earthquakes have long been recognized as being the result of stick-slip frictional instabilities. Over the past few decades, laboratory studies of rock friction have elucidated many aspects of te...

Subjects: FRICTION; EARTHQUAKES; EXTRAPOLATION; ROCK creep; CHEMICAL bonds; ATOMIC force microscopy

[PDF Full Text](#) (386KB)

3. Student Ideas & Inquiries: Investigating Friction in the Physics Classroom.

By: Campbell, Todd; Neilson, Drew. *Science Activities*. Spring2009, Vol. 46 Issue 1, p13-16. 4p. 1 Black and White Photograph, 2 Graphs. DOI: 10.3200/SATS.46.1.13-16.

Academic Journal

Encouraging students to share their ideas, design mechanisms for testing ideas, and make conclusions about the validity of their ideas on the basis of evidence.

Science in Context

Type search terms into search field.

Example given is *friction*.

The screenshot shows a mobile browser interface for the Gale In Context Science database. The browser's address bar displays "go.gale.com". The page header includes the Gale logo and the text "GALE IN CONTEXT Science". A search bar contains the text "friction". Below the search bar, a dropdown menu lists two suggestions: "Friction" and "frictionless". At the bottom of the screen, a virtual keyboard is visible, with the "go" button highlighted in blue. The background of the page features a DNA double helix structure.

The results page has a spotlighted overview article before listing different categories of results in the *On This Page* section.

Student 1:42 PM Mon Nov 9

go.gale.com

Family Store, Destiny Disc..., Regular Sch..., movie prosp..., Middle Scho..., Gale In Cont...

Library Menu: ARLINGTON PUBLIC SCHOOLS English Sign in with Google Sign in with Microsoft

GALE IN CONTEXT Science


Search... Advanced Search

Browse Topics Search History Get Link Highlights and Notes

Home > Friction

Friction

OVERVIEW



NASCAR Race Car Tire

Friction is the force that resists motion when the surface of one object slides over the surface of another object. Frictional forces are always parallel to the surfaces in contact and they oppose any motion or attempted motion—no movement will occur unless a force equal to or greater than the frictional force is applied to the body or bodies that can move. The equation of friction (F_f) is stated as $F_f = \mu R$, where F_f is the frictional force, μ is the coefficient of friction, and R is the resultant force perpendicular to the contact surface. The frictional force is sometimes called Coulomb friction or Coulomb force, named after French physicist and military engineer Charles-Augustin de Coulomb (1736–1806),...

[Read more](#)

ON THIS PAGE

Student 1:42 PM Mon Nov 9

go.gale.com

Search... Advanced Search

Browse Topics Search History Get Link Highlights and Notes

NASCAR Race Car Tire

Friction is the force that resists motion when the surface of one object slides over the surface of another object. Frictional forces are always parallel to the surfaces in contact and they oppose any motion or attempted motion—no movement will occur unless a force equal to or greater than the frictional force is applied to the body or bodies that can move. The equation of friction (F_f) is stated as $F_f = \mu R$, where F_f is the frictional force, μ is the coefficient of friction, and R is the resultant force perpendicular to the contact surface. The frictional force is sometimes called Coulomb friction or Coulomb force, named after French physicist and military engineer Charles-Augustin de Coulomb (1736–1806),...

[Read more](#)

ON THIS PAGE

- ☆ Featured Content (3)
- 📖 Reference (13)
- 🧪 Experiments (1)
- 🔍 Simulations (7)
- 🖼️ Images (4)
- 📺 Videos (1)
- 📰 News (29)
- 📄 Academic Journals (164)
- 📖 Magazines (37)

Related Topics

SEARCH WITHIN RESULTS

Search within results

☆ FEATURED CONTENT (3)

Newton's laws of motion

Author: Billy W. Sloope
From: *The Gale Encyclopedia of Science* (5th ed.)

Aug. 30, 2017 2,220 words Topic overview 1010L

Earthly and heavenly motions were of great interest to English scientist Isaac Newton (1643–1727). He formulated three mathematical laws, which

Click on **Academic Journals** to only see those results.

Then click the box next to **Peer-Reviewed Journals**.

Student 1:42 PM Mon Nov 9
go.gale.com
Library Menu: ARLINGTON PUBLIC SCHOOLS English Sign in with Google Sign in with Microsoft

GALE IN CONTEXT Science

Search... Advanced Search
Browse Topics Search History Get Link Highlights and Notes

Home > Friction > Academic Journals

SHOWING RESULTS FOR

- All Content Types
- Featured Content (3)
- Reference (13)
- Experiments (1)
- Simulations (7)
- Images (4)
- Academic Journals (164)**
- Magazines (37)

164 ACADEMIC JOURNALS Sort by: Relevance

Search Terms: Topic Search: Friction

Effects of friction models on simulation of pneumatic cylinder.
Authors: Xuan Bo Tran, Van Lai Nguyen, and Khanh Duong Tran
From: Mechanical Sciences Peer-Reviewed
Oct. 30, 2019 212 words Report, Author abstr...

This study examines effects of three friction models: a steady-state friction model (SS model), the LuGre model (LuGre model), and a...

Frictional Heating in Double Curved Surface Sliders and Its Effects on the Hysteretic Behavior: An Experimental Study.
Authors: Dario De Domenico, Giuseppe Ricciardi, Samuele Infanti, and Gianmario Benzoni
From: Frontiers in Built Environment Peer-Reviewed

FILTER YOUR RESULTS

- Publication Date
- Subjects
- Document Type
- Publication Title
- Lexile Measure
- Content Level
- Peer-Reviewed Journals

TOPIC FINDER
Discover topics and results related to your search.
Start the Topic Finder

Now you are looking at articles from Peer Reviewed Journals.

Most, if not all, articles in Academic Journals will be Peer Reviewed.

Student 1:43 PM Mon Nov 9

go.gale.com

Family Store. Destiny Disc... Regular Sch... movie prosp... Middle Scho... Gale In Cont...

Library Menu: ARLINGTON PUBLIC SCHOOLS English Sign in with Google Sign in with Microsoft

GALE IN CONTEXT Science

Search... Advanced Search

Browse Topics Search History Get Link Highlights and Notes

Home > Friction > Academic Journals

SHOWING RESULTS FOR

All Content Types Academic Journals (164)

164 ACADEMIC JOURNALS Sort by: Relevance

Search Terms: Topic Search: Friction

Applied Filters: Peer-Reviewed

Effects of motion models on simulation of pneumatic cylinder.

Authors: Xuan Bo Tran, Van Lai Nguyen, and Khanh Duong Tran
From: Mechanical Sciences Peer-Reviewed

Oct. 30, 2019 212 words Report, Author abstr...

This study examines effects of three friction models: a steady-state friction model (SS model), the LuGre model (LG model), and the revised LuGre model (RLG model) on the motion simulation accuracy of a pneumatic...

Frictional Heating in Double Curved Surface Sliders and Its Effects on the Hysteretic Behavior: An Experimental Study.

Authors: Dario De Domenico, Giuseppe Ricciardi, Samuele Infanti, and Gianmario Benzoni
From: Frontiers in Built Environment Peer-Reviewed

June 4, 2019 232 words Report, Author abstr... 1530L

Author(s): Dario De Domenico, Giuseppe Ricciardi, Samuele Infanti, Gianmario Benzoni. The hysteretic behavior of friction

FILTER YOUR RESULTS

- Publication Date
- Subjects
- Document Type
- Publication Title
- Lexile Measure
- Content Level
- Search Within

Peer-Reviewed Journals

TOPIC FINDER

Discover topics and results related to your search.

Start the Topic Finder

Gale Academic OneFile

This database is by the same company as *Science in Context*.

This time the search was for *soil*.

The screenshot shows the Gale Academic OneFile website interface. At the top, there is a navigation bar with the Gale logo and the text "GALE ACADEMIC ONEFILE". Below this, there is a search bar containing the text "friction". A dropdown menu is open below the search bar, displaying a list of search suggestions: "frictional", "friction between", "frictions", "frictionless", "friction coefficient", "friction material", "friction clutch", "friction force", "frictionally", "friction stir welding", and "friction surface". To the right of the search bar, there is a magnifying glass icon. Below the search bar, there are several filter buttons: "Biology", "Chemistry", "Criminal Justice", "Economics", "Environmental Science", and "History". At the bottom of the screen, there is a keyboard overlay with a "go" button highlighted in blue. The keyboard also shows the text "friction" and "frictions" in the search bar area.

The search results default to Academic Journals and Full Text articles make up the results.

You need to click the box next to *Peer-Reviewed Journals*.

Student 1:45 PM Mon Nov 9
go.gale.com

Library Menu: ARLINGTON PUBLIC SCHOOLS English Sign in with Google Sign in with Microsoft

GALE ACADEMIC ONEFILE

Soil Advanced Search

SHOWING RESULTS FOR

- Academic Journals (209,476)
- Magazines (79,905)
- Books (3,020)
- News (627,619)
- Images (125)
- Videos (391)

209,476 ACADEMIC JOURNALS Sort by: Relevance

Search Terms: Basic Search: Soil [Revise Search](#)

Applied Filters: **Full Text**

Transparent soil microcosms for live-cell imaging and non-destructive stable isotope probing of soil microorganisms.

Authors: Kriti Sharma, Márton Palatinszky, Georgi Nikolov, David Berry, and Elizabeth A. Sheehy

Microscale processes are critically important to soil ecology and biogeochemistry yet are difficult to study due to soil's opacity and complexity. To advance the study of soil processes, we constructed transparent soil...

Investigating the Influence of Biochar Amendment on the Physicochemical Properties of Podzolic Soil.

Authors: Ratnajit Saha, Lakshman Galagedara, Raymond Thomas, Muhammad Nadeem, and Kelly Hawboldt
From: *Agriculture* (Vol. 10, Issue 10) Peer-Reviewed

Oct. 2020 12,688 words Article

Research into biochar, as an amendment to soil, has increased over the last decade. However, there is still much to understand regarding the effects of biochar type and rates on

FILTER YOUR RESULTS

- Publication Date
- Subjects
- Document Type
- Publication Title
- Search Within

Full Text Documents
 Peer-Reviewed Journals
 Document Contains Images

TOPIC FINDER
Discover topics and results related to your search.
[Start the Topic Finder](#)

Results are sorted by **Relevance**.

You can change that setting by pressing the dropdown menu.

You can also see subjects related to your topic by pressing **Subjects**.

The screenshot shows the Gale Academic OneFile search results page. The browser address bar displays 'go.gale.com'. The page header includes 'Library Menu: ARLINGTON PUBLIC SCHOOLS' and 'English'. The search bar contains the text 'Search...'. Below the search bar, the results are sorted by 'Relevance', which is highlighted with a yellow circle. A blue arrow points to the 'Sort by: Relevance' dropdown menu. Another blue arrow points to the 'Subjects' button in the 'FILTER YOUR RESULTS' section, which is also circled in yellow. The search results list includes an article titled 'Transparent soil microcosms for live-cell imaging using non-destructive stable isotopes and microorganisms' by Georgi Nikolov, David Berry, and others. The article is peer-reviewed and published in 'Agriculture' (Vol. 10, Issue 10) in October 2020. The article text discusses microscale processes in soil ecology and biogeochemistry. Below the article, there is a 'TOPIC FINDER' section with a 'Start the Topic Finder' button.

Now you can further narrow your initial *soil* search by choosing *Biodiversity*, or *Climate Change*, or whatever subject fits your specific research needs.

This is a great way to develop other keywords to use in your searches.

BTW, refining by *Subject* and re-sorting the results are also possible in *Science in Context*.

Student 1:46 PM Mon Nov 9 92%
go.gale.com
Library Menu: ARLINGTON PUBLIC SCHOOLS English Sign in with Google Sign in with Microsoft
GALE ACADEMIC ONEFILE
Search... Advanced Search Browse Topics Search Alert Search History Get Link Highlights and Notes
SHOWING RESULTS FOR
Academic Journals (194,905) Books (83) News (4) Images (1)
194,905 ACADEMIC JOURNALS Sort by: Relevance
Search Terms: Basic Search: Soil Revise Search
Applied Filters: Full Text Peer-Reviewed
Transparent soil microcosms for live-cell imaging and non-destructive stable isotope probing of soil microorganisms.
Authors: Kirti Sharma, Márton Palatinszky, Georgii Nikolov, David E. and
Nov. 3, 2020 21,632 words Article
Microscale processes are critically important to soil ecology and biogeochemistry yet are difficult to study due to soil's opacity and complexity. To advance the study of soil processes, we constructed transparent soil...
Investigating the Influence of Biochar Amendment on the Physicochemical Properties of Podzolic Soil.
Authors: Ratnajit Saha, Lakshman Galagedara, Raymond Thomas, Muhammad Nadeem, and Kelly Hawboldt
From: Agriculture (Vol. 10, Issue 10) Peer-Reviewed
Oct. 2020 12,688 words Article
Research into biochar, as an amendment to soil, has increased over the last decade. However, there is still much to understand regarding the effects of biochar type and rates on the physicochemical properties of...
FILTER YOUR RESULTS
Publication Date
Subjects
Search Subject...
Biodiversity (3,335)
Ecosystems (3,061)
Genes (2,723)
Gene expression (2,661)
Genomics (2,378)
Climate change (2,232)
United States (2,204)
Soil microbiology (2,150)
Soil moisture (2,113)
Bacteria (2,104)
Document Type
Search Within
Full Text Documents
Peer-Reviewed Journals
Document Contains Images