



Access Science
to najpopularniejsza
multimedialna
baza wiedzy - encyklopedia
nauki i technologii dla:

- studentów
- kadry dydaktycznej
- Inżynierów
- naukowców

Wielokrotnie nagradzana w
kategorii **STEM** „teaching and
learning”

STEM education:

- Science
- Technology
- Engineering
- Mathematics

ACCESS Science
The Science Authority

Off-Campus Access
McGraw-Hill Education (organization)
Sign Out

Home Articles Briefings Biographies Media Projects For Faculty For Admins

Let AccessScience work harder for you!

my ACCESS Science

Your personal account

Off-Campus Access

Search AccessScience

Advanced Search ?

I'm looking for...

Search

Agriculture, Forestry & Soils
Anthropology & Archeology
Astronomy & Space Science
Biology & Biomedicine
Botany

Chemistry
Computing & Information Technology
Earth Science
Engineering & Materials
Environmental Science

Food Science & Technology
Health Sciences
Mathematics
Military Science
Navigation

Paleontology
Physics
Psychiatry & Psychology
Science Theory & Philosophy
Zoology

Browse Articles: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z #

Explore

Sargassum weed: This free-floating algae is unexpectedly piling up along Caribbean shorelines.
More Briefings

Neuromusicology: How does listening to music influence your brain's functioning?
More Articles in Neuroscience

Trending on AccessScience

- Heart regeneration
- Invasive species
- Robotic surgery
- Aorta
- Electromagnetism
- Problem solving (psychology)
- Collision (physics)
- How Anesthesia Works
- Plant-water relations
- Osmosis

Do You Know?

The screenshot displays the ACCESS Science website interface. At the top, there are navigation tabs for Home, About, Articles, and Biography. Below the tabs is the McGraw Hill Education logo and a search bar labeled 'Search AccessScience' with the placeholder text 'I'm looking for...'. To the right of the search bar is a list of subject categories: Agriculture, Forestry & Soils; Anthropology & Archeology; Astronomy & Space Science; Biology & Biomedicine; Botany; Chemistry; Computing; Technology; Earth Science; Engineering; and Environment. Below the search bar is a 'Browse Articles' section with buttons for A, B, C, D, E, and F. The main content area features a grid of article thumbnails. Each thumbnail includes an image, a title, a brief description, and a link to more content. The thumbnails shown are: 'Sargassum weed' (a beach with seaweed), 'Neuromusicology' (two glowing human heads), 'Susan Trumbore' (a scientist in a lab), 'Methane hydrate structure' (a 3D molecular model), and 'How strong are spider webs?' (a spider on a web). On the right side of the interface, there is a 'Trending on AccessScience' section with a list of topics: Heart regeneration, Invasive species, Robotic surgery, Aorta, Electromagnetism, Problem solving (psychology), Collision (physics), How Anesthesia Works, Plant-water relations, and Osmosis. Below this is a 'Do You Know?' section with a question about spider webs and a 'Reveal answer' button.

Głównym **źródłem**, z którego dostarczane są informacje to

McGraw-Hill Encyclopedia of Science and Technology (ed.10)

- tworzą ją i uzupełniają **nobliści** (42 osoby)

- na bieżąco **aktualizowana** i uzupełniana, rozszerzana o nowe pojęcia i zagadnienia

Główne dziedziny bazy:

- Inżynieria & Materiałoznawstwo (9 460)
- Fizyka (5 428)
- Biologia i biomedycyna (4 179)
- Nauki o Ziemi (3 263)
- Chemia (2 606)
- Zoologia (2 443)
- Nauki o zdrowiu (1 801)
- Astronomia & Nauki pokrewne (1 683)
- Botanika (1 676)
- Rolnictwo, leśnictwo i gleboznawstwo (1 298)
- Paleontologia (1 286)
- Informatyka i technologie komputerowe (1 233)
- Nauki o środowisku (907)
- Matematyka (686)
- Psychiatria i psychologia (629)
- Nauka i technologia żywności (467)
- Antropologia i archeologia (449)
- Nawigacja (233)
- Nauki o wojskowości (199)
- Teoria i filozofia nauki (108)

Search AccessScience Advanced Search ? [Browse Articles...](#)

I'm looking for... **Search** **By Topic**

AccessScience > Articles

Search Results

Save search

32 203 results

Refine this search

Content Type

- All Content (32 203)
- Image (19 330)
- Article (8 710)
- Biography (2 908)
- News (518)
- Video / Animation (415)
- Briefing (288)
- Project (21)
- Image Gallery (13)

Topic

- All Topics (32 203)
- Engineering & Materials (9 468)
- Physics (5 435)
- Biology & ...

1 2 3 4 Next »

An article from Science News Sep 2018 **+ SAVE**
A new hydrogen-rich compound may be a record-breaking superconductor

An article from Science News Sep 2018 **+ SAVE**
Wildfires make their own weather, and that matters for fire management

An article from Science News Aug 2018 **+ SAVE**
Artificial intelligence could improve predictions for where quake aftershocks will hit

An article from Science News Aug 2018 **+ SAVE**
An elusive Higgs boson decay has finally been spotted

my ACCESS Science
Your personal account

- Ponad **8700** artykułów online z *Encyclopedia of Science & Technology* (ed. 10);
- Aktualizacje naukowe z *Yearbooks of Science & Technology*;
- Ponad 115 000 + definicji z *Dictionary of Scientific and Technical Terms*;
- **18 000** ilustracji, grafik oraz bibliografii zawierających ponad 28 000 cytowań;
- Kontent dostarczany przez ponad 5000 naukowców w tym 42 noblistów;
- Ponad **3 000** biografii najbardziej znanych naukowców zaczerpniętych z *Hutchinson Dictionary of Scientific Biography*;

The screenshot displays the AccessScience website. At the top, the logo 'ACCESS Science' is visible, along with 'The Science Authority' and 'McGraw-Hill Education' branding. A navigation menu includes 'Home', 'Articles', 'Briefings', 'Biographies', 'Media', 'Projects', 'For Faculty', and 'For Admins'. A search bar is present with the text 'I'm looking for...' and a 'Search' button. Below the search bar, the 'Briefings' section is highlighted, with a sub-menu for 'Briefings A-Z' and 'Briefings by Topic'. A list of article titles is shown, including 'Active traffic management: adaptive traffic signal control', 'Adaptations of the Joshua tree (Yucca brevifolia)', 'Air pollution and exercise', 'Aluminum-air battery technology for electric vehicles', 'Amphibians face extinction crisis', 'Antarctic ozone hole recovery observed', 'Antibiotic polymers kill drug-resistant bacteria', 'Antibiotic resistance in soil bacteria', 'Antimicrobial resistance', 'Antisense drugs target amyotrophic lateral sclerosis', 'April 2016 Ecuador earthquake', 'Artificial leaf', 'Astrocytes', 'August 2018 Indonesia earthquake', 'Aztecs', 'Babylonians', 'Ban of coal-tar-based pavement sealants reduces PAHs in Austin, Texas', 'Bee dance language', 'Bioassay', and 'Biocontrol of pests by species importation'. A sidebar on the right contains the 'my ACCESS Science' logo and a link to 'Your personal account'.

Wyszukiwanie podstawowe

Przeglądanie bazy w/g

- wyszukiwanych haseł

- dziedzin nauki

- artykuły
- streszczenia
- biografie
- newsy z mediów
- gotowe projekty

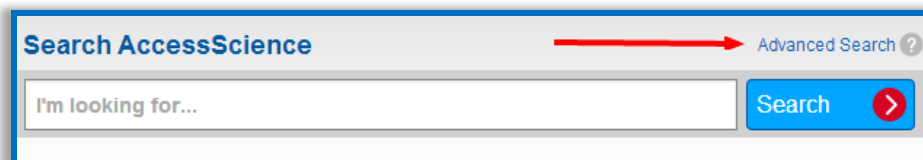
Search AccessScience Advanced Search ?

Agriculture, Forestry & Soils	Chemistry	Food Science & Technology	Paleontology
Anthropology & Archeology	Computing & Information Technology	Health Sciences	Physics
Astronomy & Space Science	Earth Science	Mathematics	Psychiatry & Psychology
Biology & Biomedicine	Engineering & Materials	Military Science	Science Theory & Philosophy
Botany	Environmental Science	Navigation	Zoology

Browse Articles: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) <#>

Wyszukiwanie zaawansowane

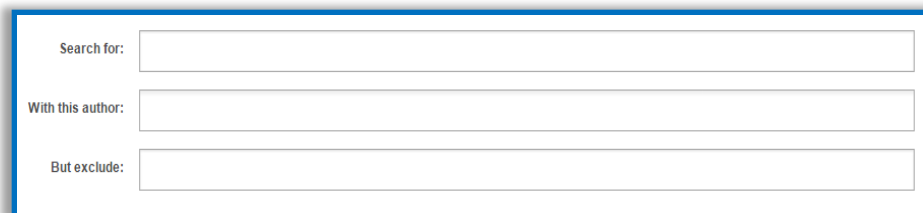
1. Kliknij **ADVANCED SEARCH** powyżej przycisku wyszukiwania



Search AccessScience [Advanced Search ?](#)

I'm looking for...

2. Wprowadź słowa kluczowe lub hasła pola tekstowe

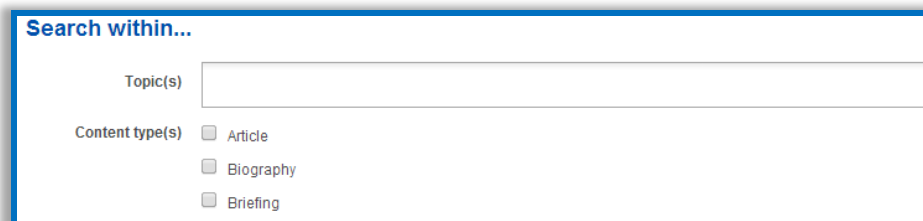


Search for:

With this author:

But exclude:

3. Ulepsz wyniki według tematu lub typu zawartości



Search within...

Topic(s)

Content type(s) Article
 Biography
 Briefing

Zawężanie wyszukiwania filtrami

Przeglądanie wyników wyszukiwania w/g

- Rodzaju zawartości
 - artykuły
 - streszczenia
 - biografie
 - newsy z mediów
 - gotowe projekty
- Dziedzin nauki

Refine this search ▾

Content Type ▲

- All Content
- Article
- Research Review
- Image
- News
- Briefing
- Video / Animation
- Image Gallery

Topic ▲

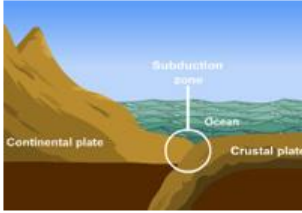
- All Topics
- Astronomy & Space Science
- Biology & Biomedicine
- Earth Science
- Engineering & Materials
- Environmental Science
- Health Sciences
- Navigation
- Paleontology

tsunami
54 results

Definition
Tsunami
A set of ocean waves caused by any large, abrupt disturbance of the sea surface.

Article [+ SAVE](#)
Tsunami
A set of ocean waves caused by any large, abrupt disturbance of the sea surface. If the disturbance is close to the coastline, a local tsunami can demolish coastal communities within minutes. A very large disturbance can cause local devastation and d...

Video / Animation [+ SAVE](#)
Tsunami



The diagram illustrates a subduction zone where a continental plate is being pushed under a crustal plate. Labels include 'Subduction zone', 'Continental plate', 'Ocean', and 'Crustal plate'.

Przeglądanie ze strony głównej

Home About Articles Biographies Media For Faculty For Admins

Search AccessScience Advanced Search ?

I'm looking for... Search

Agriculture, Forestry & Soils	Chemistry	Food Science & Technology	Paleontology
Anthropology & Archeology	Computing & Information Technology	Health Sciences	Physics
Astronomy & Space Science	Earth Science	Mathematics	Psychiatry & Psychology
Biology & Biomedicine	Engineering & Materials	Military Science	Science Theory & Philosophy
Botany	Environmental Science	Navigation	Zoology

Browse Articles: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z #

- Przeglądaj poprzez zdefiniowane tematy

- Przeglądaj poprzez alfabetyczną listę artykułów

Przeglądanie artykułów tematycznie lub alfabetycznie

The screenshot displays the ACCESS Science website interface. At the top, a navigation menu includes 'Home', 'About', 'Articles' (highlighted with a red box), 'Biographies', 'Media', 'For Faculty', and 'For Admins'. Below the menu is a search bar with the text 'I'm looking for...' and a 'Search' button. To the right of the search bar is a 'Browse Articles' section with a 'Select Topic' dropdown menu. The main content area features a banner with the word 'Articles' and a background image of a dinosaur and a mouse. Below the banner, there are two tabs: 'Articles A-Z' (highlighted with a red box) and 'Articles by Topic'. Under the 'Articles A-Z' tab, an alphabetical navigation bar is visible, with the letter 'A' highlighted in red. Below the navigation bar, a list of articles is displayed, starting with 'A15 phases' and 'Aardvark'. On the right side of the page, there is a 'my ACCESS Science' logo and a text box that says 'Save articles, images, searches and more!'.

Przeglądanie artykułów tematycznie

The screenshot displays the ACCESS Science website interface. At the top, a navigation menu includes 'Home', 'About', 'Articles' (highlighted with a red box), 'Biographies', 'Media', 'For Faculty', and 'For Admins'. Below the menu is a search bar with the text 'I'm looking for...' and a 'Search' button. To the right of the search bar is a 'Browse Articles' section with a 'Select Topic' dropdown menu. The main content area features a breadcrumb trail: 'AccessScience > Articles > Earth Science > Earth science - general'. The 'Articles' section is highlighted with a blue banner. Below this, there are two tabs: 'Articles A-Z' and 'Articles by Topic' (highlighted with a red box). The 'Articles by Topic' section shows a 'Topic: Earth Science' header. On the left, a 'Select Topic' dropdown is set to 'Earth science - general' (highlighted with a red box). Below this, a list of subtopics is shown, including 'Geochemistry', 'Geology and geodesy', 'Geophysics', and 'Hydrology and glaciology'. The main content area lists several subtopics under 'Earth science - general', such as 'Earth - [Article]', 'Earth sciences - [Article]', 'Environmental geology - [Article]', 'Geology - [Article]', 'Geomorphology - [Article]', 'Hyperspectral remote sensing (mapping) - [Research Review]', 'Landslide detection and modeling - [Briefing]', 'Remote sensing - [Article]', 'Supercontinent - [Article]', and 'Topographic surveying and mapping - [Article]'. On the right side, there is a 'my ACCESS Science' logo and a 'Trending in this Topic' section listing 'Argillaceous rocks', 'Contact aureole', 'Topographic surveying and mapping', 'Seamount and guyot', and 'Blueschist'. A 'Back to Top' button is located at the bottom right of the main content area.

Przeglądanie biografii imiennie

Home About Articles **Biographies** Media For Faculty For Admins

Search AccessScience Advanced Search ? Browse Articles

I'm looking for...

AccessScience > Biographies > A

Biographies

Biographies A-Z Biographies by Topic

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

- Aalto, Alvar (Hugo Alvar Henrik) (1898–1976)
- Abbe, Ernst (1840–1905)
- Abel, Neils Henrik (1802–1829)
- Abercrombie, (Leslie) Patrick (1879–1957)
- Abetti, Giorgio (1882–1982)
- Abrikosov, Alexei Alexeyevich (1928–)
- Ackerman, James S(loss) (1919–)
- Ackerman, Nathan W(ard) (1909–1971)
- Adam (architects) (Adam)
- Adams, John Couch (1819–1892)
- Adams, Robert McC(ormick) (1926–)
- Adams, Walter Sydney (1876–1956)
- Addams, Jane (1860–1935)
- Addison, Thomas (1793–1860)
- Adleman, Leonard (1945–)
- Adler, Alfred (1870–1937)
- Adler, Dankmar (1844–1900)
- Adrian, Edgar Douglas (1889–1977)
- Agassiz, (Jean) Louis Rodolphe (1807–1873)
- Agnesi, Maria Gaetana (1718–1799)
- Agnon, Shmuel Yosef (1888–1970)
- Agre, Peter (1949–)

Nobel Prize Winners

This world-renowned prize recognizes outstanding contributions.

View winners in:

- Physics
- Chemistry
- Physiology or Medicine
- Economic Sciences
- Literature
- Peace

Fields Medal Winners

Awarded to young mathematicians, the Fields Medal is the world's most prestigious mathematics prize.

View Fields Medal Winners

Przeglądanie biografii tematycznie

The screenshot displays the ACCESS Science website interface. At the top, there is a navigation menu with tabs for Home, About, Articles, Biographies, Media, For Faculty, and For Admins. Below the navigation is a search bar with the text "I'm looking for..." and a "Search" button. To the right of the search bar is a "Browse Articles" section with a "Select Topic" dropdown menu. The main content area is titled "Biographies" and features a sub-section "Biographies by Topic" which is highlighted with a red box. A red arrow points from the "Przeglądanie biografii tematycznie" title to this section. Below "Biographies by Topic" is a red banner with the text "Topic: Agriculture, Forestry & Soils". A dropdown menu is open, showing a list of topics with "Agriculture, Forestry & Soils" selected. The list includes various scientific fields such as Agriculture, Forestry & Soils, Anthropology & Archeology, Astronomy & Space Science, Biology & Biomedicine, Botany, Chemistry, Computing & Information Technology, Earth Science, Engineering & Materials, Environmental Science, Food Science & Technology, Health Sciences, and Mathematics. To the right of the dropdown menu, there is a list of biographies with names and their respective topics, such as "Bell, Patrick - [Biography]", "Bosch, Carl - [Biography]", "Emma Lucy - [Biography]", "George Washington - [Biography]", "Mary Agnes - [Biography]", "Nicolas-Joseph - [Biography]", "Alice Catherine - [Biography]", "on, Harry George - [Biography]", "Obed - [Biography]", "nick, Cyrus Hall - [Biography]", "Paul Hermann - [Biography]", "Arthur George - [Biography]", "thro - [Biography]", and "y, Eli - [Biography]". At the bottom right of the dropdown menu is a "Back to Top" button. On the right side of the page, there is a sidebar with the "my ACCESS Science" logo and the text "Save articles, images, searches and more!".

Przeglądanie multimedialnych : filmy wideo i animacje

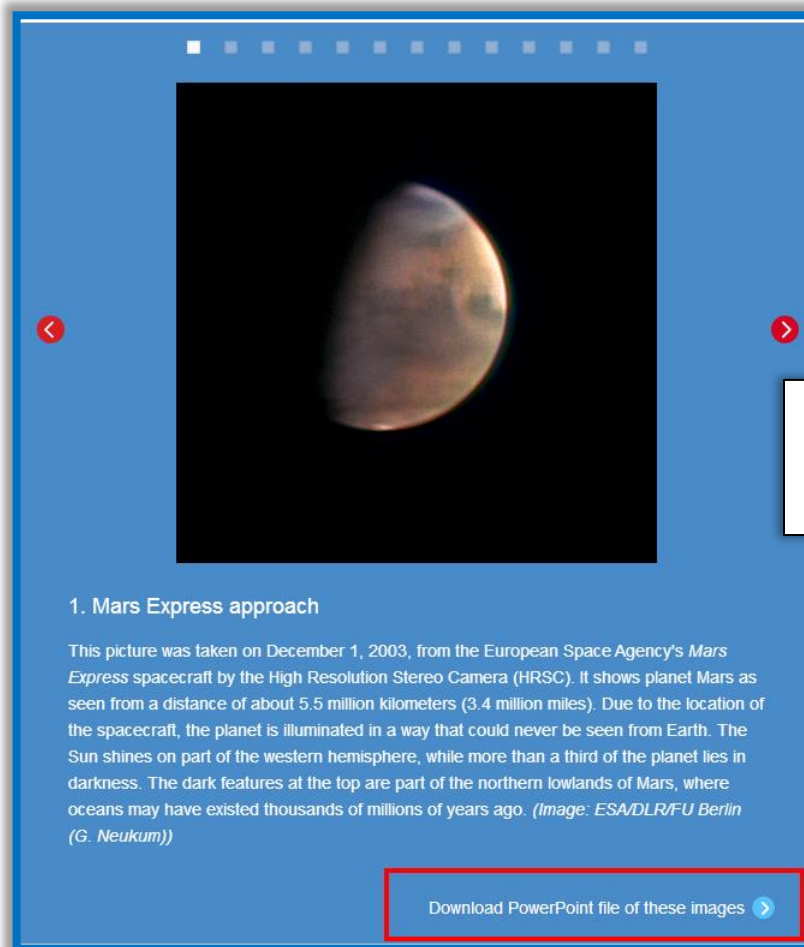
The screenshot displays the ACCESS Science website interface. At the top, a navigation menu includes 'Home', 'About', 'Articles', 'Biographies', 'Media' (highlighted with a red box), 'For Faculty', and 'For Admins'. Below the menu is a search bar with the text 'Search AccessScience' and a 'Search' button. A 'Browse Articles' section is also visible. The main content area is titled 'Media' and features a breadcrumb trail: 'AccessScience > Media > Video / Animation > Astronomy & Space Science'. A red box highlights the 'Videos & Animations' tab. Below this, a red banner indicates the current topic: 'Topic: Astronomy & Space Science'. A 'my ACCESS Science' logo is present with the text 'Save articles, images, searches and more!'. A 'Select Topic' dropdown menu is open, showing a list of categories including 'Astronomy & Space Science', 'Biology & Biomedicine', 'Botany', 'Chemistry', 'Computing & Information Technology', 'Earth Science', 'Engineering & Materials', and 'Environmental Science'. The dropdown menu is also highlighted with a red box. The list of topics includes 'Comets - [Video / Animation]', 'Earth's Orbit and Seasons - [Video / Animation]', 'Evolution of the Solar System - [Video / Animation]', 'Kepler's First Law - [Video / Animation]', 'Kepler's Second Law - [Video / Animation]', 'Kepler's Third Law - [Video / Animation]', 'Phases of the Moon - [Video / Animation]', and 'Solar Eclipses - [Video / Animation]'.

Przeglądanie multimedialnych: galerie zdjęć

The screenshot displays the AccessScience website interface. At the top, a navigation menu includes links for Home, About, Articles, Biographies, Media (highlighted with a red box), For Faculty, and For Admins. Below the navigation is a search bar with the placeholder text "I'm looking for..." and a "Search" button with a red arrow. To the right of the search bar is a "Browse Articles" section with a "Select Topic" dropdown menu. The main content area features a blue header with the text "Image Galleries" and a breadcrumb trail "AccessScience > Media > Image Gallery". Below this, there are two tabs: "Videos & Animations" and "Image Galleries" (highlighted with a red box). The main content area is titled "A Collection of Topics That Might Interest You" and displays three image thumbnails with captions and right-pointing arrows:

- The 1903 Wright Flyer and Beyond**: A black and white photograph of the Wright Flyer aircraft on a runway.
- Cellular Mitosis**: A colorful fluorescence micrograph showing a cell in the process of mitosis.
- Developing the Flyer**: A black and white photograph of a model of the Wright Flyer on a runway.

Przeglądanie multimediiów : Galerie zdjęć



The screenshot shows a gallery interface with a central image of Mars. The image is a crescent-shaped planet with reddish-brown tones and some darker features. The gallery has a blue background and includes navigation arrows (left and right) and a series of small squares at the top indicating the current position in the gallery. Below the image, there is a caption and a 'Download PowerPoint file of these images' button.

1. Mars Express approach

This picture was taken on December 1, 2003, from the European Space Agency's *Mars Express* spacecraft by the High Resolution Stereo Camera (HRSC). It shows planet Mars as seen from a distance of about 5.5 million kilometers (3.4 million miles). Due to the location of the spacecraft, the planet is illuminated in a way that could never be seen from Earth. The Sun shines on part of the western hemisphere, while more than a third of the planet lies in darkness. The dark features at the top are part of the northern lowlands of Mars, where oceans may have existed thousands of millions of years ago. (Image: ESA/DLR/FU Berlin (G. Neukum))

Download PowerPoint file of these images >

- Wybrane kolekcje zdjęć mogą być pobrane jako prezentacja w PowerPoint

Funkcje Konta użytkownika



- Konto osobiste pozwala na zapisywanie artykułów i wyszukiwanie , dzięki czemu można się do nich później łatwo odwoływać. Możesz również zapisywać zdjęcia lub kolekcje zdjęć na swoje konto osobiste. Konto osobiste jest bezpłatne dla wszystkich użytkowników w instytucji subskrybującej, a jego utworzenie zajmuje tylko kilka sekund.

Funkcje Konta użytkownika

The screenshot shows the AccessScience website interface. At the top, there is a navigation bar with links: Home, Articles, Briefings, Biographies, Media, Projects, For Faculty, and For A. Below this is a search bar with the text "Search AccessScience" and a search button. A red box highlights the "my ACCESS Science" logo and the "Your personal account" link, which has a right-pointing arrow. A red arrow points from this link to a text box at the bottom of the page. Below the search bar, there is a grid of science categories including Agriculture, Forestry & Soils; Chemistry; Food Science & Technology; Paleontology; Anthropology & Archeology; Computing & Information; Health Sciences; Physics; Astronomy & Space Science; Technology; Mathematics; Psychiatry & Psychology; Biology & Biomedicine; Earth Science; Military Science; Science Theory & Philosophy; Botany; Engineering & Materials; Navigation; Zoology; and Environmental Science. At the bottom of the page, there is an "Explore" section with images of a manatee and a globe, and a "Trending on AccessScience" section with a "Turnip" article.

Let AccessScience work harder for you!

my ACCESS Science

Your personal account ▶

Off-Campus Access ▶

Search AccessScience

I'm looking for...

Search

Agriculture, Forestry & Soils
Anthropology & Archeology
Astronomy & Space Science
Biology & Biomedicine
Botany

Chemistry
Computing & Information
Technology
Earth Science
Engineering & Materials
Environmental Science

Food Science & Technology
Health Sciences
Mathematics
Military Science
Navigation

Paleontology
Physics
Psychiatry & Psychology
Science Theory & Philosophy
Zoology

Browse Articles: A B C D E F G H I J K L M N O P Q R S T U V W X

Explore

Trending on AccessScience

Turnip

- Aby utworzyć nowe konto, kliknij na link AccessScience po lewej stronie strony głównej

Możliwość zapisywania artykułów

Wszystkie własne
zaznaczenia
są dostępne dla
użytkownika z poziomu
Konta Użytkownika.
W prosty sposób czytelnik
może wejść do już
zaznaczonego rozdziału

The screenshot shows the ACCESS Science website interface. At the top, there is a navigation bar with links for Home, Articles, Briefings, Biographies, Media, Projects, For Faculty, and For Admins. Below this is a search bar with the text "I'm looking for..." and a "Search" button. To the right of the search bar is a "By Topic" dropdown menu. The main content area displays an article titled "Graphene" by Walter de Heer. The article is categorized under "Physics", "Solid state physics", "Graphene", "Engineering & Materials", and "Physical electronics". A red arrow points to a "SAVE" button in the top right corner of the article content area. Below the "SAVE" button are other options: "EMAIL", "PRINT", "SHARE", and "LNK". The article content includes a "Content" section with links to "Growth and production", "Electronic structure", "Some important electronic properties", "Graphene types", "Epitaxial graphene-based electronics", "Links to Primary Literature", and "Additional Readings". There is also a "Key Concepts" section and a "Related Articles" section on the right side of the page.

Możliwość zapisywania wyników wyszukiwania

Konto użytkownika w AccessScience umożliwia przechowywanie:

- wyników wyszukiwania
- wyszukanych zdjęć lub kolekcji zdjęć

The screenshot displays the AccessScience website interface. At the top, the logo 'ACCESS Science' and 'The Science Authority' are visible. A navigation bar includes links for Home, Articles, Briefings, Biographies, Media, Projects, For Faculty, and For Admins. A search bar contains the text 'Graphene', which is circled in red. To the right of the search bar is a 'Search' button and a 'By Topic' dropdown menu. Below the search bar, the page title 'Search Results' is shown. A 'Save search' button is circled in red. The search results section shows 'Graphene' with 60 results. A 'Refine this search' sidebar on the left lists 'Content Type' (All Content (60), Article (23), Image (22), News (7), Biography (6), Briefing (1), Video / Animation (1)) and 'Topic' (All Topics (60), Engineering & Materials (29), Physics (34)). The main content area displays a definition of Graphene: 'The basic building block of graphite, a two-dimensional sheet of carbon atoms arranged in a honeycomb structure (Fig. 1a)'. Below this, an article snippet is visible, with the word 'graphene' highlighted in yellow. On the right side, a 'my ACCESS Science' sidebar offers options to 'Save articles and searches' and 'Get new content alerts'. It also shows the user's name 'Krzysztof Rudzinski' and 'McGraw-Hill Education (Organization)', along with 'Saved items 4' and 'Saved searches 1'.

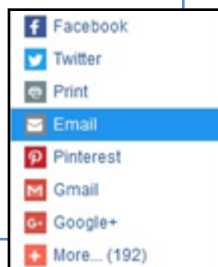
Właściwości konta użytkownika:

konto użytkownika w Access Science umożliwia:
przechowywanie

- zaznaczyć - cytatów
- zaznaczonych artykułów

Możliwość współdzielenia z innymi użytkownikami zaznaczonych-zapisanych materiałów poprzez

- email
- media społecznościowe



The screenshot shows the 'my ACCESS Science' user interface. At the top, it says 'Save articles and searches. Get new content alerts'. Below this are three tabs: 'Saved items', 'Saved searches', and 'My Account'. The 'My Account' tab is active, showing the user's name 'Krzysztof Rudzinski' and affiliation 'McGraw-Hill Education (organization)'. There is a 'Sign out of MyAccessScience' link. Below the user info is a 'FILTER ITEMS' section with checkboxes for 'All' (checked), 'Article', 'Biography', and 'Image'. The main content area displays a list of saved items. The first item is an 'Article' titled 'Laser marking' with a checkbox and a '6 days ago' timestamp. To its right, a red box highlights three buttons: 'CITE', 'EMAIL', and 'DELETE', with a red arrow pointing to them. The second item is an 'Image' titled 'Components of the galvanometric marking head.' with a checkbox and a '6 days ago' timestamp. To its right, there are buttons for 'CITE', 'DOWNLOAD', 'EMAIL', and 'DELETE'. The third item is a 'Biography' for 'Trumbore, Susan' with a checkbox and a '6 days ago' timestamp. To its right, there are buttons for 'CITE', 'EMAIL', and 'DELETE'. At the top of the list, there are controls for 'Select ALL | NONE' and 'Selected: Delete Cite'.

Inne dodatkowe funkcjonalności

- zapisywanie artykułów
- zapisywanie cytatów
- wysyłanie artykułów mailem
- drukowanie artykułów
- wysyłanie artykułów mailem
- współdzielenie linku do artykułu

Article

[Physics](#) » [Fluid mechanics](#) » [Aerodynamic force](#)
[Engineering & Materials](#) » [Aeronautical engineering](#) » [Aerodynamic force](#)

Aerodynamic force

Article by:
Anderson, John D., Jr. National Air and Space Museum, Smithsonian Institution, Washington, DC;
 Department of Aerospace Engineering, University of Maryland, College Park, Maryland.
 Last reviewed: 2014
 DOI: <https://doi.org/10.1036/1097-8542.012600>

Content

Hide ▲

- Lift and drag definitions
- Force coefficients

- Separation and stall
- Drag components

- Links to Primary Literature
- Additional Readings

The force exerted on a body whenever there is a relative velocity between the body and the air. There are only two basic sources of aerodynamic force: the pressure distribution and the frictional shear stress distribution exerted by the airflow on the body surface. The pressure exerted by the air at a point on the surface acts perpendicular to the surface at that point; and the shear stress, which is due to the frictional action of the air rubbing against the surface, acts tangentially to the surface at that point. The pressure and shear stress act at each point on the body surface, and hence the distribution of pressure and shear stress represent a distributed load over the surface. The net aerodynamic force on the body is due to the net imbalance between these distributed loads as they are summed (integrated) over the entire surface. See also: **Boundary-layer flow; Wind stress**

+ SAVE

CITE

EMAIL

PRINT

SHARE

LINK

my ACCESS Science

Save articles and searches. Get new content alerts.

My Account Sign Out

Krzysztof Rudzinski

McGraw-Hill Education (Organization)

Saved items 3

Saved searches 0

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Curriculum Maps – Programy nauczania

Curriculum Maps – zebrany i uszeregowany tematycznie materiał szkoleniowy (gotowe programy nauczania)

Przeglądanie bazy w/g gotowych materiałów dydaktycznych - programy nauczania do użycia w prowadzeniu wykładów / kursów

The screenshot shows the ACCESS Science website interface. At the top, there is a navigation menu with items: Home, Articles, Briefings, Biographies, Media, Projects, For Faculty, and For Admins. The 'For Faculty' item is highlighted with a red box and a red arrow. Below the navigation is a search bar with the text 'I'm looking for...' and a 'Search' button. To the right of the search bar is a 'Browse Articles...' dropdown menu set to 'By Topic'. The main content area is titled 'For Faculty' and contains a paragraph of introductory text. Below this text is a 'Jump to:' section with a list of links: 'Curriculum Maps', 'Next Generation Science Standards', 'AccessScience Search Widget', and 'Answers to "Test Your Understanding" Questions'. The 'Curriculum Maps' link is highlighted with a red box and a red arrow. On the right side of the page, there is a 'my ACCESS Science' sidebar with a user profile for 'Krzysztof Rudzinski' and information about saved items and searches.

Curriculum Maps – Programy nauczania

- Nazwa kursu →
- Autor kursu →
- Tematy kursu →
- Indywidualne tematy →
- Istotne treści →

AccessScience > For Faculty > Curriculum Maps

Curriculum Map

Introductory Physics

Author:
Martin Hackworth, Senior Lecturer, Idaho State University, Pocatello, Idaho

This Curriculum Map provides a list of highly relevant and engaging content from throughout AccessScience for use in enriching your teaching. Site assets such as graphs, diagrams, and animations have been mapped to standard topics taught in an introductory Physics course. Use the "Copy Link" functionality to paste a direct link from each asset into your school's learning management system for easy incorporation into your curriculum.

Course Topics

- ▶ Mechanics
- ▶ Conservation of Energy and Momentum
- ▶ Gravity
- ▶ Harmonic Motion and Sound Waves
- ▶ Thermodynamics
- ▶ Electricity and Magnetism
- ▶ Light
- ▶ Modern Physics

Mechanics

Asset	Description
Biography	This biography presents the contributions of Sir Isaac Newton—regarded as one of the greatest scientists ever to have lived—to the field of physics.
Article	This brief article summarizes Newton's laws—the three basic principles that govern all motion.

Rozbudowane i szczegółowe statystyki wykorzystania platformy przez użytkowników dostępne poprzez portal SAMS Sigma

Statystyki:

- ilości wyszukiwania
- wejść
- zapisanych danych

This screenshot shows the 'Reports for Camford University' page. The left sidebar has a 'Reports' menu item highlighted with a red box. Below it, a 'COUNTER 4' report type is selected. A dropdown menu is open, listing report types: 'Book Report 1', 'Book Report 2', 'Book Report 3', 'Database Report 1', and 'Journal Report 1'. The 'Book Report 1' option is highlighted with a blue bar. Below the dropdown is a 'Download report' button.

This screenshot shows the 'Dashboard for Camford University'. The top navigation bar includes 'SAMS Sigma', 'Hello, individual full administering', 'Camford University', and 'Log out'. A search bar is present. A green notification banner at the top right says 'You are now administering Camford University' with a red arrow pointing to it. The left sidebar has a 'Reports' menu item highlighted with a red box. The main content area features a grid of tiles: 'Organization profile', 'Licenses', 'Agreements', and 'Vouchers'. At the bottom of the grid, a 'Reports' tile is highlighted with a red box, showing a bar chart icon.



URZĄDZENIA MOBILNE



ANDROID

- LAPTOPY
- SMARTFONY
- TABLETY



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Dziękuję za uwagę !

