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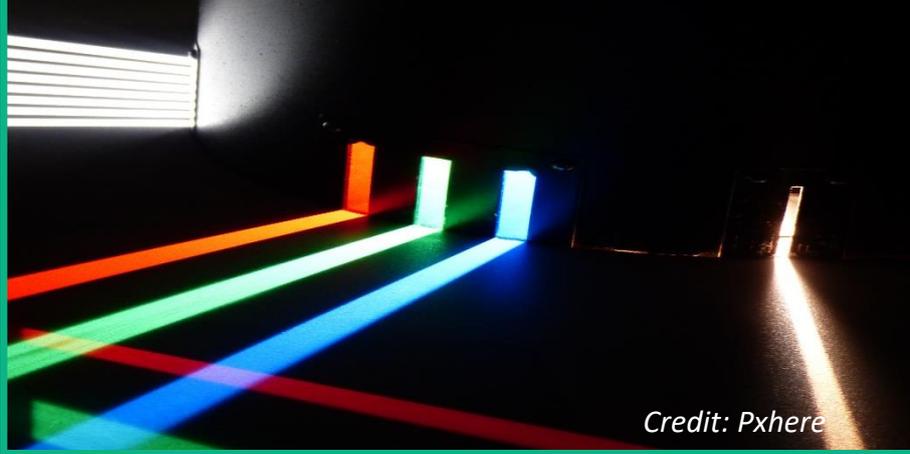


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"Kick Chess Piece Standing" by George Becker is licensed under CC.*

SCIENCE



Credit: Pxhere

Hubble captures incredible snapshot of a massive galaxy cluster.

(June 19, 2022)

The massive galaxy cluster Abell 1351 is captured by the NASA/ESA Hubble Space Telescope's Wide Field Camera 3 and Advanced Camera for Surveys. The observation is part of an astronomical album comprising snapshots of some of the most massive galaxy clusters. This menagerie of massive clusters demonstrates interesting astrophysical phenomena such as strong gravitational lensing, as well as showcasing spectacular examples of violent galaxy evolution.



Abell 1351

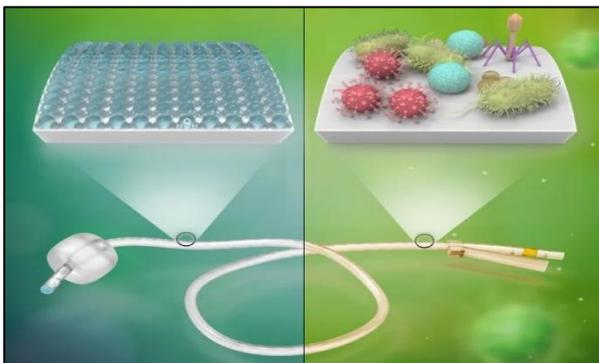
Credit: ESA/Hubble & NASA, H. Ebeling

Read more at:

<https://scitechdaily.com/hubble-captures-incredible-snapshot-of-a-massive-galaxy-cluster/>

Scientists have created a method to prevent deadly infections without antibiotics.

(June 20, 2022)



Representative Image

Credit: Amir Sheikhi/Penn State

A unique surface treatment developed by a team led by the University of California, Los Angeles (UCLA) scientists could help improve the safety of medical devices such as catheters and stents while also reducing the financial strain on the healthcare system. The new technique, involves depositing a thin coating of zwitterionic material on the surface of a device and permanently bonding that layer to the underlying substrate using ultraviolet light irradiation.

Read more at:

<https://scitechdaily.com/scientists-have-created-a-method-to-prevent-deadly-infections-without-antibiotics/>

MIT's new nanoparticle sensor can distinguish between viral and bacterial pneumonia.

(June 20, 2022)

MIT researchers have designed a sensor that can distinguish between viral and bacterial pneumonia infections, which they hope will help doctors to choose the appropriate treatment. In a study of mice, the researchers showed that their sensors could accurately distinguish bacterial and viral pneumonia within two hours, using a simple urine test to read the results.



Representative Image

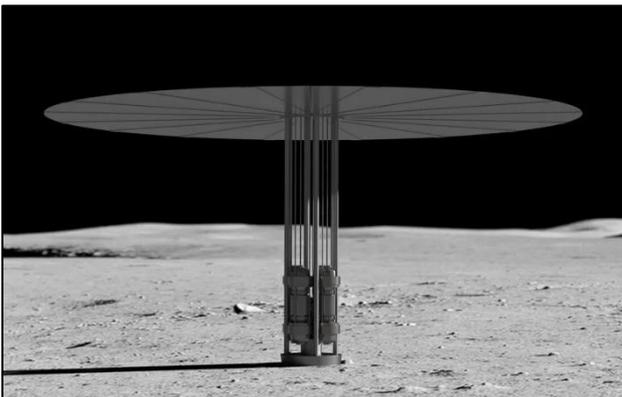
Credit: Jose-Luis Olivares, MIT, and iStockphoto

Read more at:

<https://scitechdaily.com/mits-new-nanoparticle-sensor-can-distinguish-between-viral-and-bacterial-pneumonia/>

Nuclear power on moon: NASA selects design concept for fission surface power system.

(June 21, 2022)



Credit: NASA

NASA and the U.S. Department of Energy (DOE) are working together to advance space nuclear technologies. The agencies have selected three design concept proposals for a fission surface power system design that could be ready to launch by the end of the decade for a demonstration on the Moon. A demonstration of such systems on the Moon would pave the way for long-duration missions on the Moon and Mars.

Read more at:

<https://scitechdaily.com/nuclear-power-on-moon-nasa-selects-design-concept-for-fission-surface-power-system/>

Reducing air pollution can support healthy brain development.

(June 22, 2022)

A new study finds that having a portable air cleaner in the home can reduce the negative impacts of air pollution on brain development in children. Scientists are studying the benefits of using air filters to reduce exposure to air pollution during pregnancy, and assessed the impact on children's intelligence. The researchers note that their randomized controlled trial is the first study of its kind to document the impacts of air pollution reduction on cognition in children.



Representative Image

Read more at:

<https://www.sciencedaily.com/releases/2022/06/220622100735.htm>

Experimental discovery of a Tetraneutron – An exotic state of matter.

(June 24, 2022)



The just-announced experimental discovery of a tetraneutron by an international group led by scientists from Germany's Technical University of Darmstadt opens doors for new research and could lead to a better understanding of how the universe is put together. This new and exotic state of matter could also have properties that are useful in existing or emerging technologies.

Tetraneutron, a new and exotic state of matter

Read more at:

<https://scitechdaily.com/experimental-discovery-of-a-tetraneutron-an-exotic-state-of-matter/>

ARTS



Credit: Pxhere

Education Ministry's Initiative of using ICT in school education in India wins UNESCO Award.

(June 20, 2022)

The Ministry of Education initiative to use ICT under the "PM eVidya" scheme during the Covid pandemic has won UNESCO's recognition. "The Central Institute of Educational Technology (CIET), a constituent unit of the NCERT has been awarded with the UNESCO's King Hamad Bin Isa Al-Khalifa Prize for the use of ICT (Information And Communication Technology) in Education for the year 2021," a senior education ministry official said.



Representative Image

Read more at:

<https://www.timesnownews.com/education/education-ministrys-initiative-of-using-ict-in-school-education-in-india-wins-unesco-award-article-92329213>

Pragati Maidan tunnel: Soak in work of art.

(June 20, 2022)



Pragati Maidan tunnel

Credit: Anindya Chattopadhyay

The one-of-its-kind Pragati Maidan tunnel is a feast for the eyes. While driving through it, you will be able to see the finest expressions of India's culture based on the theme "Celebration of life through six seasons of India" through decorative murals on the side walls and the central columns. The artwork inside the main 1.36km tunnel was deeply appreciated by Prime Minister Narendra Modi.

Read more at:

<https://timesofindia.indiatimes.com/city/delhi/pragati-maidan-tunnel-soak-in-work-of-art-from-today/articleshow/92324967.cms>

Russian journalist sells Nobel peace medal for \$103.5 million to help Ukrainian refugees.

(June 21, 2022)

Russian journalist Dmitry Muratov, who won the Nobel Peace Prize last year, auctioned off his medal for \$103.5 million on Monday, with proceeds donated to help Ukrainian child refugees. Heritage Auctions tweeted that Muratov "auctioned his 2021 #NobelPeacePrize to benefit UNICEF's child refugee fund. It sold for \$103,500,000." All the proceeds from the auction, which concluded on World Refugee Day, will go to UNICEF's humanitarian response for Ukrainian children displaced by war.



Dmitry Muratov

Credit: Creative Commons

Read more at:

<https://edition.cnn.com/style/article/dmitry-muratov-nobel-auction-ukraine-intl-scli/index.html>

Michael J. Fox, Peter Weir, Diane Warren set for honorary Oscars.

(June 21, 2022)



Michael J. Fox

Credit: Richard Shotwell/Invision/AP

The Academy of Motion Picture Arts and Sciences will present multiple film luminaries with honorary Oscars this November: director Peter Weir, composer Diane Warren and filmmaker Euzhan Palcy. Actor Michael J. Fox will receive the Jean Hersholt Humanitarian Award (also an Oscar statuette). Academy President David Rubin said these Oscars would celebrate the recipients' "indelible contributions to cinema and the world at large." The awards will be conferred at the academy's 13th Governors Awards on Nov. 19 in Los Angeles.

Read more at:

<https://www.latimes.com/entertainment-arts/awards/story/2022-06-21/michael-j-fox-peter-weir-diane-warren-set-for-honorary-oscars>

Ntsika Kota wins Commonwealth Short Story Prize 2022, becomes first writer from Eswatini, Africa to win the award.

(June 22, 2022)

Ntsika Kota won the Commonwealth Short Story Prize 2022 for his story 'and the earth drank deep' on June 21, 2022. Kota, who is a chemist by training and a self-taught writer, created history by winning the award-- as he is the first writer from Eswatini, Africa to win the prize. The Commonwealth Short Story Prize is an annual awarded which is given to "the best piece of unpublished short fiction (2,000–5,000 words).



Credit: Commonwealth Writers/ Twitter

Read more at:

<https://timesofindia.indiatimes.com/life-style/books/features/ntsika-kota-wins-commonwealth-short-story-prize-2022-becomes-first-writer-from-eswatini-africa-to-win-the-award/articleshow/92392340.cms>

Marimayam fame VP Khalid dies of cardiac arrest.

(June 24, 2022)



V P Khalid

Marimayam's Sumeshettan, actor VP Khalid passed away. Reportedly, on Friday morning, the actor suffered a cardiac arrest and was found unconscious in the washroom of a movie location in Vaikkom. The industry is shocked by the demise of the skilled actor and many celebrities have shared condolences on social media too. The actor became a household name with his character Sumesh in the popular sitcom 'Marimayam'. Khalid was much loved for his realistic acting and sense of humor.

Read more at:

<https://timesofindia.indiatimes.com/tv/news/malayalam/marimayam-fame-vp-khalid-dies-of-cardiac-arrest/articleshow/92429235.cms>

TECHNOLOGY



Credit: Pxhere

New method can stop cyberattacks in less than a second.

(June 20, 2022)

Cardiff University researchers have developed a new approach for automatically detecting and killing cyberattacks on our laptops, computers, and smart devices in less than a second. Using artificial intelligence in a completely new way, the technology has been found to effectively prevent up to 92% of data on a computer from being corrupted, with a piece of malware being wiped out in only 0.3 seconds on average. This is the first demonstration of a method that can both detect and kill malicious software in real-time.



Representative Image

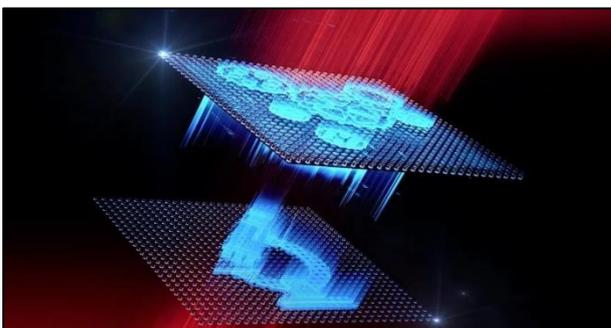
Credit: Creative Commons

Read more at:

<https://scitechdaily.com/new-method-can-stop-cyberattacks-in-less-than-a-second/>

Enabling technologies of tomorrow: Nanoparticles control flow of light like road signs direct traffic.

(June 20, 2022)



Representative Image

Credit: Ella Maru Studio

Physicists at the Australian National University (ANU) have developed tiny translucent slides capable of producing two very different images by manipulating the direction in which light travels through them. The pair of images created is just one example of an untapped number of possibilities. The development could pave the way for new light-based devices that could lead to faster, cheaper, and more reliable

Internet. It could also serve as the foundation for many of the technologies of tomorrow. The new technology uses nanoparticles.

Read more at:

<https://scitechdaily.com/enabling-technologies-of-tomorrow-nanoparticles-control-flow-of-light-like-road-signs-direct-traffic/>

New technique dramatically accelerates computer programs without fear of errors.

(June 21, 2022)

Researchers have pioneered a technique that can dramatically accelerate certain types of computer programs automatically, while ensuring program results remain accurate. Their system boosts the speeds of programs that run in the Unix shell. Their method splits the program components into pieces that can be run simultaneously on multiple computer processors. This enables programs to execute tasks like web indexing, natural language processing, or analyzing data in a fraction of their original runtime.



Representative Image
Credit: Christine Daniloff, MIT

Read more at:

<https://scitechdaily.com/new-technique-dramatically-accelerates-computer-programs-without-fear-of-errors/>

The Michael Jordan of solar cells: New technology proves its lasting power.

(June 23, 2022)



Credit: Bumper DeJesus

An emerging class of solar energy technology, made with perovskite semiconductors, has passed the long-sought milestone of a 30-year lifetime. The Princeton Engineering researchers who designed the new device also revealed a new method for testing long-term performance, a key hurdle on the road to commercialization. The device is the first of its kind to rival the performance of silicon-based cells, which have dominated the market since their introduction in 1954.

Read more at:

<https://scitechdaily.com/the-michael-jordan-of-solar-cells-new-technology-proves-its-lasting-power/>

Electronic tattoo offers highly accurate, continuous blood pressure monitoring.

(June 23, 2022)

The researchers at The University of Texas at Austin and Texas A&M University have developed an electronic tattoo that can be worn comfortably on the wrist for hours and deliver continuous blood pressure measurements at an accuracy level exceeding nearly all available options on the market today. E-tattoos are a good choice for mobile blood pressure monitoring because they reside in a sticky, stretchy material encasing the sensors that is comfortable to wear for long periods and does not slide around.



E-tattoo

Credit:University of Texas at Austin

Read more at:

<https://scitechdaily.com/electronic-tattoo-offers-highly-accurate-continuous-blood-pressure-monitoring/>

Private 5G networks will enable 'hero' uses of the technology, says Intel India head.

(June 25, 2022)

Private 5G networks will help India realize maximum use cases of the technology, Intel India's country head Nivruti Rai said. The global chipmaker is collaborating with enterprises to deploy 5G networks at their factories, Rai added. The remarks have come at a time when telecom operators and technology companies are at loggerheads over the government's approval for a policy that enables non-telecom companies to purchase non-public captive or private 5G networks.

Read more at:

<https://economictimes.indiatimes.com/tech/technology/private-5g-networks-will-enable-hero-uses-of-the-technology-says-intel-india-head/articleshow/92442423.cms>

SPORTS



Credit: Pxhere

Halle Open: Hubert Hurkacz beats top-ranked Daniil Medvedev to win title.

(June 20, 2022)

Hubert Hurkacz upset top-ranked Daniil Medvedev to win the Halle Open and underline his credentials as a contender for Wimbledon two years running. The big-serving Polish player needed just 64 minutes to beat Medvedev 6-1, 6-4 and win his first grass-court title. He's one of just seven men's players in the Open era to win all of their first five singles finals.



Credit: Reuters

Read more at:

<https://indianexpress.com/article/sports/tennis/halle-open-hubert-hurkacz-beats-top-ranked-daniil-medvedev-to-win-title-7979425/>

CoA forms advisory committee to assist it in running AIFF.

(June 21, 2022)



Logo of AIFF

Credit: <https://www.the-aiff.com/>

Entrepreneur Ranjit Bajaj, has been named chairman of advisory committee to assist the Supreme Court-appointed Committee of Administrators (CoA) which is running the day-to-day affairs of All India Football Federation (AIFF). The 12-member advisory committee was appointed by the CoA to oversee the day-to-day matters of various departments of the AIFF. The advisory committee will send regular reports to all the members of the CoA for their information and approvals, if required.

Read more at:

<https://indianexpress.com/article/sports/football/coa-forms-advisory-committee-to-assist-it-in-running-aiff-7982254/>

Cyclist Ronaldo scripts history, becomes first Indian to win silver in Asian championships.

(June 22, 2022)

Ronaldo Singh scripted history as he became the first Indian cyclist to win a silver in a continental tournament in the senior category by finishing second in the sprint event on the concluding day of the Asian Track Championship here. Ronaldo's feat was the best performance by any Indian cyclist in a continental championship. He gave a tough fight to Japan's experienced rider Kento Yamasaki but finished with a silver.



Ronaldo Singh
Credit: SAI Twitter

Read more at:

<https://timesofindia.indiatimes.com/sports/more-sports/cycling/ronaldo-singh-clinches-silver-in-sprint-event-for-his-3rd-medal-india-finish-fifth-in-medals-tally/articleshow/92392756.cms>

ICC T20I rankings: Dinesh Karthik jumps 108 places, Ishan Kishan breaks into top 10.

(June 22, 2022)



Dinesh Karthik
Credit: BCCI

Thanks to his finishing finesse against South Africa in the recently concluded T20I series, Dinesh Karthik made a massive leap of 108 spots to the 87th spot on the latest ICC T20 batting rankings. Karthik walked into the Indian team on the back of a brilliant IPL season with the Royal Challengers Bangalore where he scored 330 runs in 16 games at a strike rate of 183.33. The 37-year-old was a prime reason for India's comeback into the five-match T20I series having lost the first two matches.

Read more at:

<https://indianexpress.com/article/sports/cricket/karthik-jumps-108-places-ishan-kishan-breaks-into-top-10-icc-t20i-rankings-7984478/>

India jump two spots to 104 in FIFA rankings.

(June 23, 2022)

The Indian football team reaped a good harvest of its impressive Asian Cup qualification campaign as it gained two places to jump to 104th in the latest FIFA world rankings. The Blue Tigers are placed just below New Zealand (103), who missed out on a 2022 FIFA World Cup spot after losing 0-1 to Costa Rica in the intercontinental play-off earlier this month. India's ranking among Asian Football Confederation members, however, still remained static at 19th place.



Indian football team
Credit: Twitter

Read more at:

<https://indianexpress.com/article/sports/football/india-jump-two-places-to-104-in-fifa-ranking-indian-football-team-fifa-sunil-chhetri-manvir-singh-afc-asian-cup-aiff-7986819/>

Russia says 'happy to help' India bid for 2036 Olympics.

(June 24, 2022)



Representative Image

Russia has offered to help India in hosting the 2036 Olympics if the bid receives backing from the International Olympic Committee (IOC). Russia's Sports Minister Oleg Matytsin said his country's "specialists will be happy to help in organising the Olympic Games in India". Although no concrete official move has been made, India has repeatedly expressed interest to host the 2036 Games with Ahmedabad as the central city.

Read more at:

<https://indianexpress.com/article/sports/sport-others/russia-says-happy-to-help-india-bid-for-2036-olympics-7987474/>

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