

BERCHLY

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ARTS



The queen of khayal and thumri Shubha Mudgal on the evolution of classical music: 'It is not the artists we need to motivate, but listeners' (October 9,2023)



Celebrating 27 years of its annual classical music and dance festival, Natya Tarangini is hosting the Parampara series from October 6 to 8. Founded by the senior Kuchipudi dancer-duo — Drs Raja Radha Reddy and Kaushalya Reddy — the illustrious festival is a significant platform for performing arts, which beckons dancers and musicians from diverse genres.

Read more at:

<https://indianexpress.com/article/lifestyle/art-and-culture/shubha-mudgal-parampara-series-classical-music-dance-festival-8972754/lite/>

Scientists Detect Rare Chemical Compound in 'Mona Lisa,' Illuminating Leonardo's Process (October 11,2023)

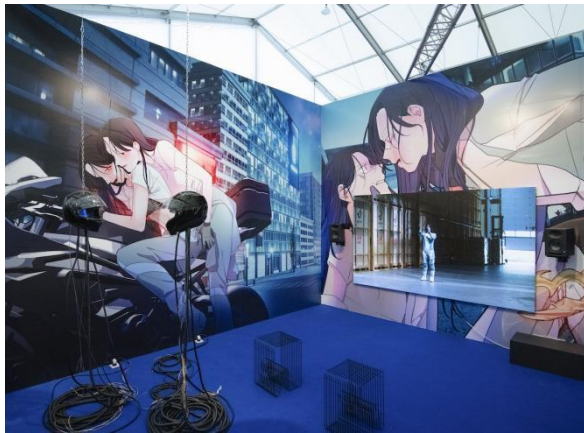
The Mona Lisa, one of the world's most famous and most studied paintings, still has secrets to tell. Per research published Wednesday in the Journal of the American Chemical Society, the oil paint used by the Italian Renaissance artist in the base layer of the Mona Lisa has a chemical composition distinct from his other works—and even those made by his famous contemporaries.



Read more at:

<https://www.artnews.com/art-news/news/scientists-detect-rare-chemical-compound-mona-lisa-leonardo-1234681965/>

Tate Acquires Poppers Sculpture, Feminist Painting, and More at Frieze London (October 11,2023)



Tate, the powerhouse museum network based in London, has named the works it has acquired from the Frieze London art fair, which runs through this Sunday. While the offerings at Frieze range from new pieces by younger artists to more

expensive works by blue-chip ones with cemented careers, Tate's acquisitions from the fair tend toward the cutting-edge and the lesser-known. The purchase of these nine works was made possible via a £150,000 fund facilitated by Endeavor, the Hollywood talent agency that owns Frieze.

Read more at :

<https://www.artnews.com/list/art-news/news/tate-acquisitions-frieze-london-1234682112/>

The first-ever India Biennale to be held at the British era barracks of Delhi's Red Fort (October 13,2023)



India's artistic and architectural past will be showcased in December at the Red Fort in Delhi. Everything from its intricate doors to historic beautiful temples and antique step wells or baoli to extravagant textile designs, will be presented.

Read more at:

<https://indianexpress.com/article/lifestyle/art-and-culture/india-biennale-red-fort-delhi-8974592/lite/>

Kolkata's Special Tram celebrates the essence of Durga Puja

(October 13,2023)

Get ready to embark on a unique journey through the heart of Kolkata, as a Puja Special Tram graces the city. This tram, designed in honour of Kolkata's rich history — the UNESCO Heritage Tag awarded to Durga Puja, and the 150-year legacy of Kolkata's tramways — promises to be a sight to behold.



Read more at:

<https://indianexpress.com/article/lifestyle/art-and-culture/kolkata-special-tram-celebrates-durga-puja-8978245/lite/>

Lyricist Javed Akhtar opens up about latest book 'Talking Life', AI's impact on art, and much more

(October 14,2023)



Javed Akhtar, the renowned poet and lyricist, has left an indelible mark on Indian cinema with his unforgettable contributions. Beyond his illustrious career, Akhtar's own life story is nothing short of a Bollywood movie — filled with ups and downs. Born to a staunch Communist father, Akhtar, fondly known as 'Jadu', grew up believing that Joseph Stalin was his grandfather. Orphaned at an early age and abandoned by his father, he found himself in the care of various relatives — some loving and others less so.

Read more at :

<https://indianexpress.com/article/lifestyle/art-and-culture/javed-akhtar-latest-book-talking-life-ai-impac-art-career-films-bollywood-songs-8981406/>



SPORTS



How Chirag Shetty & Satwiksairaj Rankireddy became world No. 1 with the help of un-pushy parents and clever coaches

(October 10,2023)

For Chandrashekhhar Shetty, his son Chirag had made him absolutely proud, the day he won the Nationals. His friends in Mumbai often told him badminton was no sport to make a great career in, there was only cricket. But a young Chirag absolutely adored badminton, so the father decided he would support that hobby, without ever pressuring him on the ambition to be a world-beater. The National title brought contentment to the Shettys.



Read more at:

<https://indianexpress.com/article/sports/badminton/how-chirag-shetty-satwiksairaj-rankireddy-became-world-no-1-with-the-help-of-un-pushy-parents-and-clever-coaches-8974948/>

Arctic Open 2023: Ashwini Ponnappa / Tanisha Crasto, Kiran George enter second round after wins against higher-ranked opponents

(October 11,2023)



India's men's singles shuttler Kiran George and women's doubles pairing of Ashwini Ponnappa and Tanisha Crasto registered impressive wins against higher-ranked opponents in the opening round of the Arctic Open Super 500 event in Vantaa, Finland on Wednesday.

Read more at:

<https://indianexpress.com/article/sports/badminton/arctic-open-2023-ashwini-ponnappa-tanisha-crasto-kiran-george-enter-second-round-after-wins-against-higher-ranked-opponents-8978866/>

Arctic Open 2023: PV Sindhu prevails in straight games against former World Champion Nozomi Okuhara

(October 11,2023)

In what used to be once a storied rivalry at the top stages of world badminton, the latest chapter was not much home to write about. Both PV Sindhu and Nozomi Okuhara are former world champions, and are both struggling to bounce back from injuries. On Tuesday in Finland, however, it was Sindhu who dominated her Japanese rival in a round of 32 clash at the Arctic Open.



Read more at:

<https://indianexpress.com/article/sports/badminton/arctic-open-2023-pv-sindhu-prevails-in-straight-games-against-former-world-champion-nozomi-okuhara-8977123/>

Pakistan vs Sri Lanka, World Cup 2023 Highlights: Mohammad Rizwan and Abdullah Shafique score tons as Pakistan defeat Sri Lanka by 6 wickets.

(October 11,2023)



Pakistan vs Sri Lanka World Cup 2023 Highlights: Opener Abdullah Shafique and wicketkeeper-batter Mohammad Rizwan smashed fine centuries as Pakistan defeated Sri Lanka by six wickets in a high-scoring World Cup match on Tuesday.

Read more at:

<https://indianexpress.com/article/sports/cricket/pakistan-vs-sri-lanka-live-score-world-cup-2023-8th-match-pak-vs-sl-scorecard-updates-hyderabad-8975471/>

Olympic and world champion Neeraj Chopra in running for men's world athlete of the year award (October 13,2023)

Neeraj Chopra, who recently defended his Asian Games title in Hangzhou is in the fray for the men's world athlete of the year award. Chopra will be joined by USA's Ryan Crouser (shot put), Sweden's



Mondo Duplantis (pole vault), Morocco's Soufiane El Bakkali (3000m steeplechase), Norway's Jakob Ingebrigtsen (1500m/mile/5000m), Kenya's Kelvin Kiptum (marathon), Canada's Pierce LePage (decathlon), USA's Noah Lyles (100m/200m), Spain's Alvaro Martin (race walk), Greece's Miltiadis Tentoglou (long jump) and Norway's Karsten Warholm (400m hurdles/400m).

Read more at:

<https://indianexpress.com/article/sports/sport-others/neeraj-chopra-in-running-for-mens-world-athlete-of-the-year-award-8980379/>

From India in 1983 to Afghanistan in 2023: When underdogs stunned defending champions at the Cricket World Cup

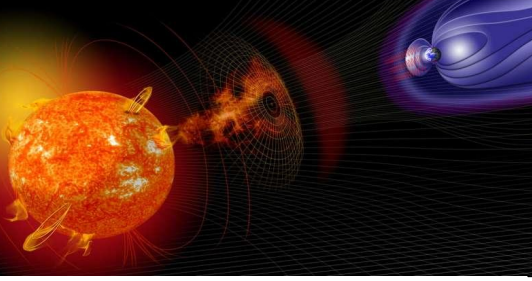
(October 15,2023)



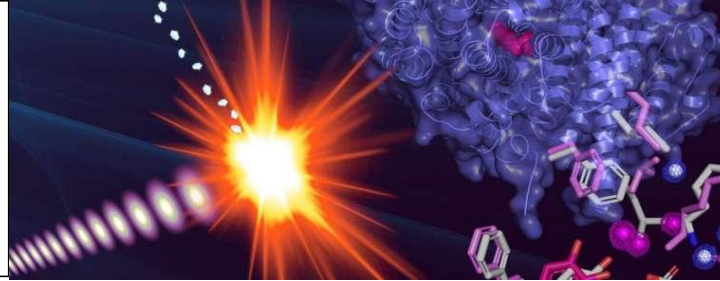
In a World Cup that has so far been crying out for either a thriller or an upset, New Delhi on Sunday witnessed a result that will be spoken about for ages as Afghanistan stunned defending champions England by 69 runs. Batting first, Afghanistan had a brilliant start and finish to their innings, scoring 284 in 49.5 overs.

Read more at :

<https://indianexpress.com/article/sports/cricket-world-cup/from-india-in-1983-to-afghanistan-in-2023-when-underdogs-stunned-defending-champions-8984606/>

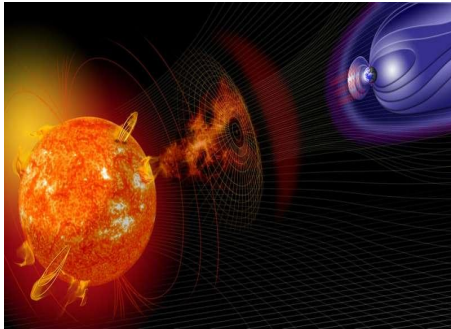


SCIENCE



Researchers identify largest ever solar storm in ancient 14,300-year-old tree rings

(October 9,2023)



An international team of scientists has discovered a huge spike in radiocarbon levels 14,300 years ago by analyzing ancient tree-rings found in the French Alps.

Read more at:

<https://phys.org/news/2023-10-largest-solar-storm-ancient-year-old.html>

Researchers find pre-Columbian agave plants persisting in Arizona landscapes

(October 10,2023)

A new paper in the Annals of Botany reveals that researchers have found unaltered agave plant species cultivated by several early cultures including the Hohokam people, a large Native American group in the Southwest that existed between 300 and 1500 CE.



Read more at:

<https://phys.org/news/2023-10-pre-columbian-agave-persisting-arizona-landscapes.html>

Researchers develop new class of catalysts for green production of fine chemicals and pharmaceuticals

(October 11,2023)



A research team has developed a new class of catalysts—known as heterogeneous geminal atom catalysts (GACs)—that promotes greener and more sustainable manufacturing processes for fine chemicals and pharmaceuticals.

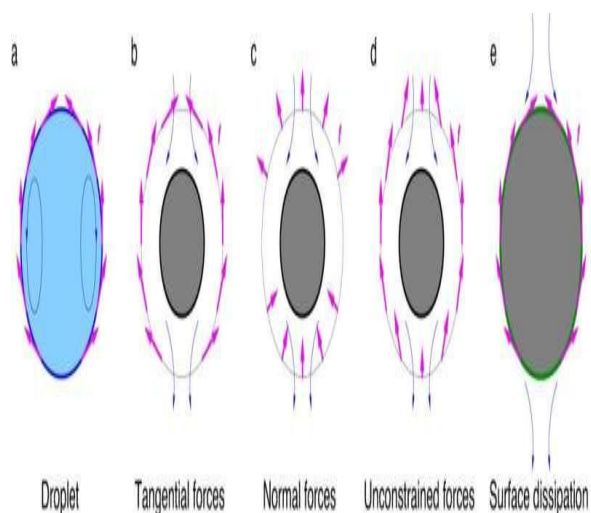
Read more at:

<https://phys.org/news/2023-10-class-catalysts-green-production-fine.html>

Scientists develop theorem to calculate fuel economy of a microswimmer

(October 12,2023)

The amount of power a microswimmer needs to move can now be determined more easily. Scientists from the department Living Matter Physics at the Max Planck Institute for Dynamics and Self-Organization (MPI-DS) developed a general theorem to calculate the minimal energy required for propulsion

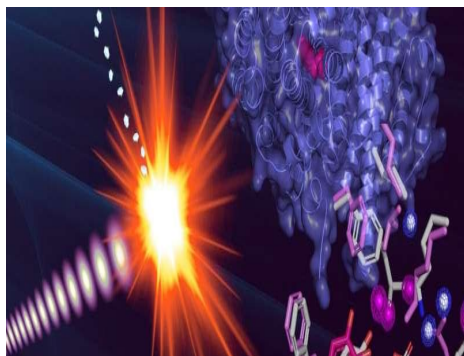


Read more at:

<https://phys.org/news/2023-10-scientists-theorem-fuel-economy-microswimmer.html>

Shining light on the radical production of DNA building blocks

(October 12,2023)



Despite its fundamental role in biology and extensive studies over half a century, many aspects of how DNA's building blocks are formed remain unclear. Now, an international team of scientists has revealed valuable details about this intricate process.

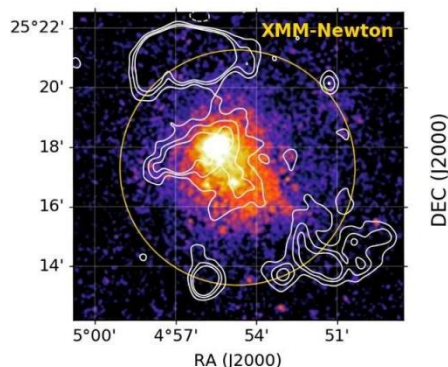
Read more at:

<https://phys.org/news/2023-10-radical-production-dna-blocks.html>

European astronomers explore galaxy cluster G113

(October 12,2023)

Using ESA's XMM-Newton satellite and the Low-Frequency Array (LOFAR), a team of European astronomers has explored a galaxy cluster known as PSZ2G113.91-37.01 (or G113 for short). Results of the observational campaign, presented in a paper published October 5 on the pre-print server arXiv, shed more light on the properties and nature of this cluster.



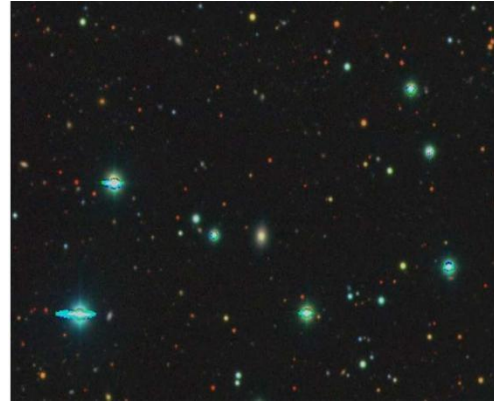
Read more at:

<https://phys.org/news/2023-10-european-astronomers-explore-galaxy-cluster.html>

First supernova detected, confirmed, classified and shared by AI

(October 13,2023)

A fully automated process, including a brand-new artificial intelligence (AI) tool, has successfully detected, identified and classified its first supernova. Developed by an international collaboration led by Northwestern University, the new system automates the entire search for new supernovae across the night sky—effectively removing humans from the process.

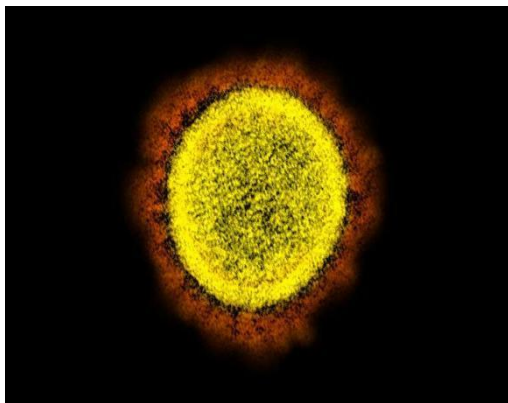


Read more at:

<https://phys.org/news/2023-10-supernova-ai.html>

Targeting a coronavirus ion channel could yield new COVID-19 drugs

(October 13,2023)



The genome of the SARS-CoV-2 virus encodes 29 proteins, one of which is an ion channel called E. This channel, which transports protons and calcium ions, induces infected cells to launch an inflammatory response that damages tissues and contributes to the symptoms of COVID-19.

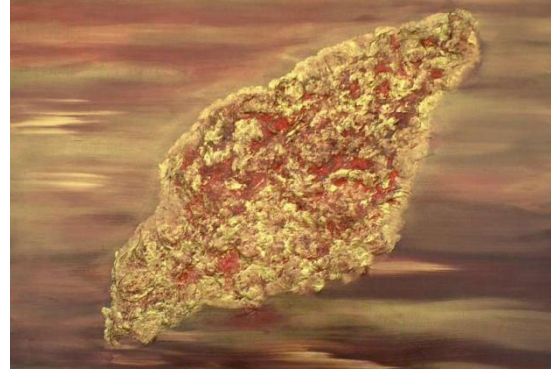
Read more at:

<https://phys.org/news/2023-10-coronavirus-ion-channel-yield-covid-.html>

Thousands of programmable DNA-cutters found in algae, snails, and other organisms

(October 13,2023)

A diverse set of species, from snails to algae to amoebas, make programmable DNA-cutting enzymes called Fanzors—and a new study from scientists at MIT's McGovern Institute for Brain Research has identified thousands of them.



Fanzors are RNA-guided enzymes that can be programmed to cut DNA at specific sites, much like the bacterial enzymes that power the widely used gene-editing system known as CRISPR.

Read more at:

<https://phys.org/news/2023-10-thousands-programmable-dna-cutters-algae-snails.html>

'Ring of fire' eclipse moves across the Americas, bringing with it cheers and shouts of joy

(October15,2023)



First came the darkening skies, then the crescent-shaped shadows on the ground, and finally an eruption of cheers by crowds that gathered Saturday along the narrow path of a rare "ring of fire" eclipse of the sun.

Read more at:

<https://phys.org/news/2023-10-eclipse-americas-shouts-joy.html>

TECHNOLOGY

Google Chrome may soon get new AI powered Organize Tabs feature (October 9, 2023)

Google Chrome recently introduced a new functionality on its Canary build that will let users group tabs, similar to Microsoft 'Group Similar Tabs' feature on Edge.

Read more at :

<https://indianexpress.com/article/technology/tech-news-technology/google-chrome-ai-organize-tabs-8974920/>



Zoho pushes AI-powered Cliq Rooms as smart conference solution to take on Slack, Teams

(October 10,2023)



Zoho has introduced Rooms, a collaborative solution for its Cliq communication platform on the sidelines of Zoholics annual user conference held on Monday in Bengaluru. The new feature further enhances the collaborative capability of Cliq, Zoho's all-in-one collaborative platform to take on the likes of Slack and Microsoft Teams.

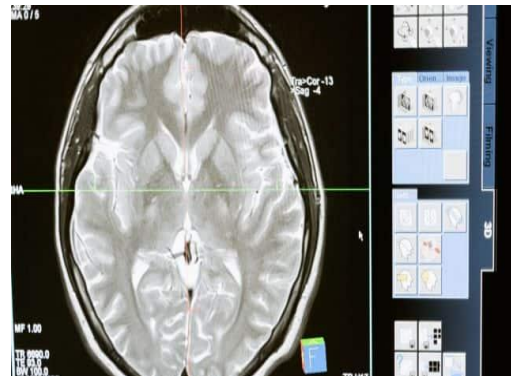
Read more at :

<https://indianexpress.com/article/technology/tech-news-technology/zoho-cliq-rooms-conferencing-solution-launch-features-price-8974807/>

New AI tool diagnoses brain tumors on the operating table

(October 12,2023)

Once their scalpels reach the edge of a brain tumor, surgeons are faced with an agonizing decision: cut away some healthy brain tissue to ensure the entire tumor is removed, or give the healthy tissue a wide berth and risk leaving some of the menacing cells behind.



Read more at :

<https://indianexpress.com/article/technology/science/ai-tool-diagnose-brain-tumour-during-operation-8980004/>

Google Pixel 8 Pro, Pixel 8 first look: Rounded corners to match rounded software

(October 12,2023)



At the Made by Google on October 4, Google made it clear that the USP of the latest Pixel phones isn't their standout design with the full-width camera bar or their super-clean Android experience or even their

reputedly excellent cameras – it's AI. Billing the Pixel 8 Pro and Pixel 8 as "AI in your hand," the company showed off a bunch of artificial intelligence-powered features you won't find on any other phone.

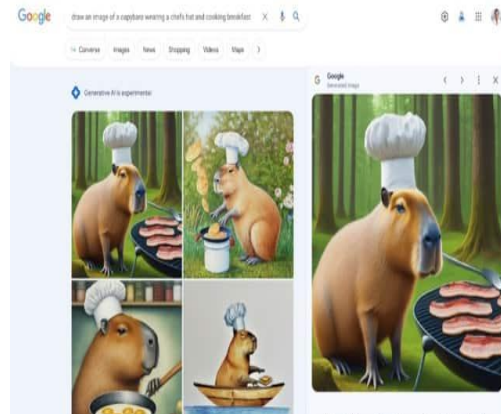
Read more at :

<https://indianexpress.com/article/technology/tech-news-technology/google-pixel-8-pro-pixel-8-first-look-8978503/>

How to use Google Search's new Dall-E-like AI image generator

(October 14,2023)

Google has unveiled a new feature that lets you create images from text prompts using its Search Generative Experience (SGE) tool. The feature, which is available to users who are part of Google's Search Labs program, uses the Imagen family of AI models to generate images based on your query.



Read more at :

<https://indianexpress.com/article/technology/artificial-intelligence/how-to-use-google-search-dall-e-like-ai-image-generator-sge-8982291/>

This Google Pixel 8 Pro review is all about its smart camera, the phone too is all about the camera

(October 15,2023)

Will smartphone technology evolve so much that the hardware itself would become secondary and the software good enough to fix the flaws of the device as well as its users? This seems to be the question Google is trying to answer now with its Pixel series phones. The Pixel 8 Pro is a signal that Google seems to be moving in the right direction especially given its prowess in the world of AI.

Read more at :

<https://indianexpress.com/article/technology/tech-reviews/google-pixel-8-pro-review-8984010/>