



ARTIFICIAL INTELLIGENCE



Major research into 'hallucinating' generative models advances

Researchers from the University of Oxford have made a significant advance towards ensuring that information produced by generative artificial intelligence (AI) is robust and reliable. In a new study published today in Nature, they demonstrate a novel method to detect when a Large Language Model...

[ox.ac.uk](#)



Study reveals why AI models that analyze medical images can be biased

MIT researchers have found that artificial intelligence models that are most accurate at predicting race and gender from X-ray images also show the biggest "fairness gaps" - that is, discrepancies in their ability to accurately diagnose images of people of different races or genders.

[news.mit.edu](#)

Turns Out, I'm Not Real: Detecting AI-Generated Videos

Columbia Engineering researchers expand their work from detecting AI-generated texts to discovering deepfake videos

[engineering.colum...](#)



ROBOTICS



Edible batteries, sensors and actuators unlock robots designed to be eaten

Scientists have already made edible robotic components. The next challenge is integrating them together to create an entire robot snack that could be used in a wide range of applications, from delivering healthcare to monitoring the environment.

[newatlas.com](#)

This pink blob with beady eyes is a humanoid robot with "living skin"

A pink blob with beady eyes is gaining widespread attention online - because this newly-developed robot has what researchers at the University of Tokyo call "living skin."

[cbsnews.com](#)



LIFE SCIENCES



Beyond CRISPR: seekRNA delivers a new pathway for accurate gene editing

Developed in the Ataide Laboratory at the University of Sydney, seekRNA is a programmable tool can precisely target and relocate genetic sequences, picking up from the work started by CRISPR gene-editing.

[sydney.edu.au](#)

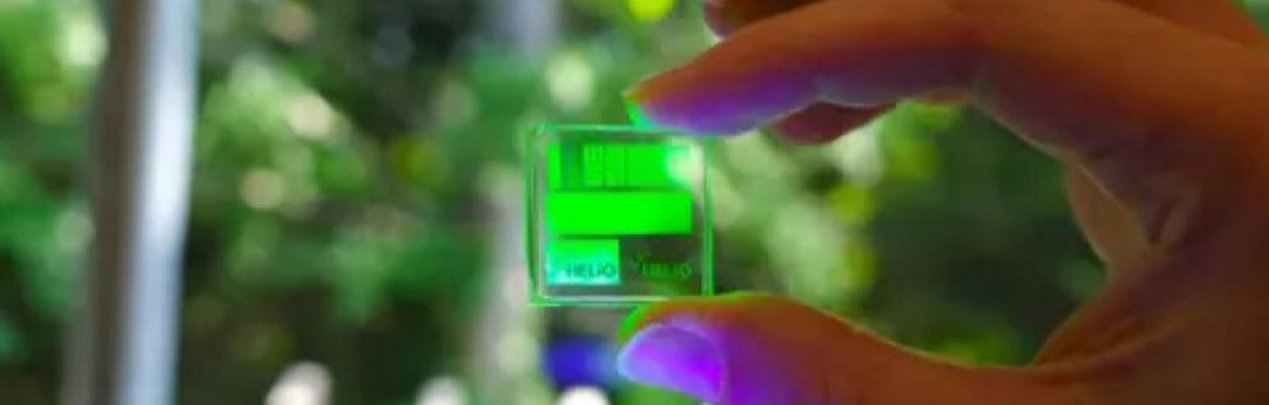
mRNA Cancer Vaccines Spark Renewed Hope as Clinical Trials Gain Momentum

Phase 3 clinical studies in people with melanoma and a type of lung cancer are underway, with earlier stage clinical trials for other cancers in the works.

[singularityhub.com](#)



INFRASTRUCTURE



The screen tech that can do almost anything

New technology promises TV and phone screens that use much less electricity than current models.

[bbc.com](#)



ENERGY



Tomorrow's super battery for electric cars is made of rock

It is the battery in your electric car that determines how far you can drive on one charge and how quickly you can re-charge. However, the lithium-ion battery, the most widely used electric car battery today, has its limitations-in terms of capacity, safety and also availability.

[techxplore.com](#)



AEROSPACE



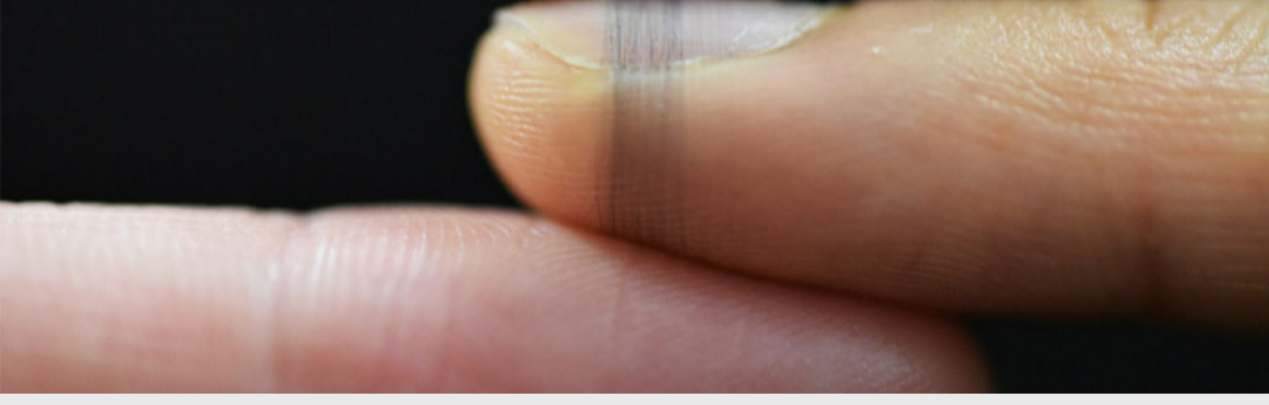
NASA Is Using Powerful Satellites to Watch Over Endangered Species

By shifting a little focus from space to Earth, NASA is helping ecologists protect endangered species like tigers and elephants with its powerful satellites.

[sciencealert.com](#)



ARTIFICIAL SENSING



Imperceptible sensors made from 'electronic spider silk' can be printed directly on human skin

The method, developed by researchers from the University of Cambridge, takes its inspiration from spider silk, which can conform and stick to a range of surfaces. These 'spider silks' also

[cam.ac.uk](#)



VIRTUAL AND AUGMENTED REALITY



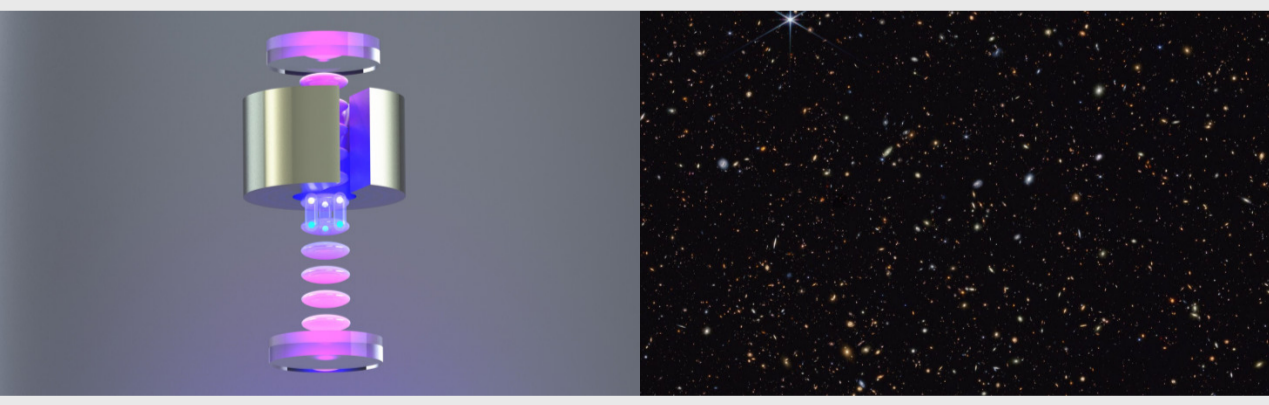
Empowering navigation for the visually impaired through Augmented Reality

Vision loss and visual impairment have long been a significant concern for human well-being amid an increasingly aging population. In a collaborative effort by researchers from The Hong Kong Polytechnic University (PolyU) and The University of Waterloo, they have invented a groundbreaking device...

[techxplore.com](#)



IN THE LAB



With a new, incredibly precise instrument, Berkeley researchers narrow search for dark energy

Experiment captures atoms in free fall to look for gravitational anomalies caused by universe's missing energy

[news.berkeley.edu](#)

JWST's 'Little Red Dots' Offer Astronomers the Universe's Weirdest Puzzle

The James Webb Space Telescope's search for the earliest stars and black holes has yielded a very weird, very red, puzzle

[scientificamerica...](#)



AFTER HOURS



Magnetic tape shipments reached a record 152.9 exabytes in 2023

The three companies behind the LTO Consortium recently released the latest annual report on magnetic tape technology shipments, which set a new storage capacity record in 2023....

[techspot.com](#)

30 years later, FreeDOS is still keeping the dream of the command prompt alive

FreeDOS's creator talks to Ars about where ProjectDOS has been, where it's going.

[arstechnica.com](#)



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