

The World's Most Innovative Companies of 2024

Fast Company's annual ranking of the world's most innovative companies covers 58 industries and sectors, from advertising to video

FC fastcompany.com



ARTIFICIAL INTELLIGENCE





8 Google Employees Invented Modern Al. Here's the Inside Story

They met by chance, got hooked on an idea, and wrote the "Transformers" paper-the most consequential tech breakthrough in recent history.

wired.com

Talking about Large Language Models Interacting with a contemporary LLM-based conversational agent can create an illusion of being in the presence of a thinking creature. Yet, in their very nature, such systems are fundamentally not like us. The advent of large language models (LLMs) such as Bert12 and GPT-228 was a game-changer for...

cacm.acm.org



ROBOTICS





Understanding humanoid robots Robots made their stage debut the day after New Year's 1921. More than half-a-century before the world caught its first glimpse of George Lucas' droids, a

techcrunch.com

Robot Bodies. What Could Possibly Go Wrong? The effort to give robots AI brains is revealing big

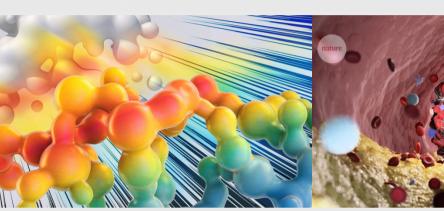
Scientists Are Putting Al Brains Inside

practical challenges-and bigger ethical concerns SA scientificamerica...



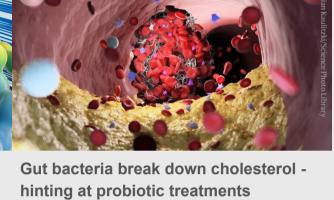
LIFE SCIENCES





A new computational technique could make it easier to engineer useful proteins

A new computational approach developed at MIT makes it easier to predict mutations that will lead to optimized proteins, based on a relatively small amount of data. news.mit.edu



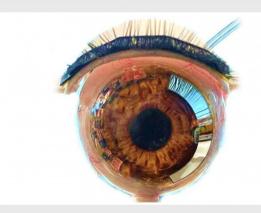
Species in the human microbiome have enzymes that can metabolize a potentially dangerous lipid. Species in the human microbiome have enzymes that can metabolize a potentially dangerous lipid.

nature.com



ENERGY

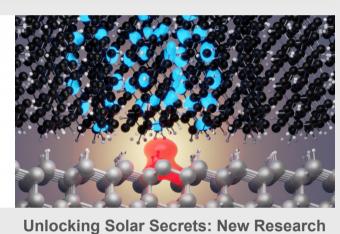




Blink to Generate Power For Smart Contact Lenses

A dual-mode power pack harvests energy from light and from tears

spectrum.ieee.org



Researchers at the University of Paderborn are enhancing the efficiency of solar cells through the strategic incorporation of imperfections in the system's design. Since the beginning of the 21st century, Germany has seen significant progress in the realm of solar energy. In 2000, solar power contr

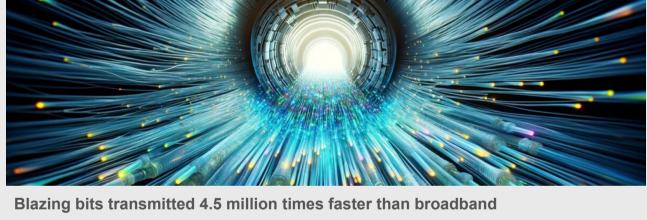
Paves the Way for Efficiency Gains

scitechdaily.com



INFRASTRUCTURE





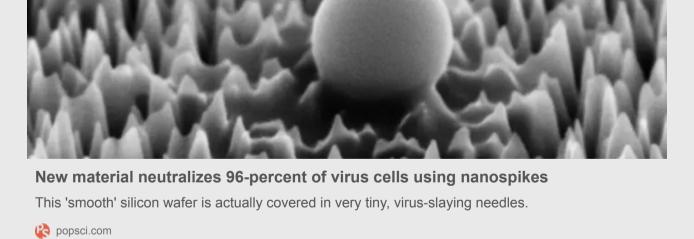
An international research team has sent an astounding amount of data at a nearly incomprehensible speed. It's the fastest data transmission ever using a single optical fiber and shows just how speedy

the process can get using current materials. newatlas.com



ADVANCED MATERIALS















atechradar.com

AFTER HOURS





They broke their previous record of 100 trillion digits

Used to create Toy Story, the tools revolutionized animation

spectrum.ieee.org





G gizmodo.com











