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SCIENCE

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COORDINATOR: SHEHITHA SALIM (ASSISTANT PROFESSOR, DLISc)

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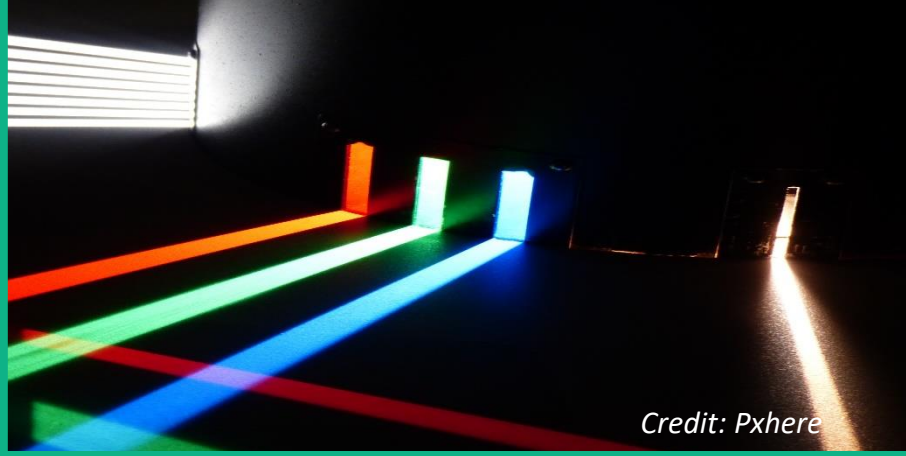


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*"Person Holding Laboratory Flask" by Chokniti Khongchum is licensed under CC.
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SCIENCE



Credit: Pxhere

New Way Invented to Produce Oxygen on Mars for Future Explorers.

(August 17, 2022)



Credit: American institute of Physics

A plasma-based way to produce and separate oxygen within the Martian environment has been devised by an international team of researchers. It's a complementary approach to NASA's Mars Oxygen In-Situ Resource Utilization Experiment (MOXIE), and it may deliver high rates of molecule production per kilogram of instrumentation sent to space.

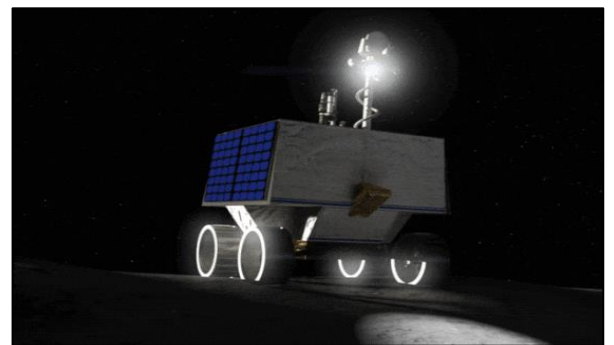
Read more at:

<https://scitechdaily.com/new-way-invented-to-produce-oxygen-on-mars-for-future-explorers/>

NASA Identifies Lunar Landing Sites for Next Americans on Moon.

(August 20, 2022)

NASA has identified 13 candidate landing regions near the lunar South Pole as it prepares to send astronauts back to the Moon under the Artemis program. Each region contains multiple potential landing sites for Artemis III. This will be the first of the Artemis missions to bring astronauts to the lunar surface and will include the first woman to set foot on the Moon.



Credit: NASA Ames/Daniel Rutter

Read more at:

<https://scitechdaily.com/nasa-identifies-lunar-landing-sites-for-next-americans-on-moon/>

ARTS



Harvard Researchers Have Linked Spirituality to Healthier Lives and Longer Lifespans.

(August 16, 2022)



*Credit: HARVARD T.H. CHAN
SCHOOL OF PUBLIC HEALTH*

According to a study conducted by experts from Harvard School Of Public Health and Brigham and Women's Hospital, spirituality should be incorporated into care for both severe disease and general health. "This study represents the most rigorous and comprehensive systematic analysis of the modern-day literature regarding health and spirituality to date," said Tracy Balboni.

Read more at:

<https://scitechdaily.com/harvard-researchers-have-linked-spirituality-to-healthier-lives-and-longer-lifespans/>

A "Mortality Gap" – Republicans Are Dying at a Higher Rate Than Democrats

(August 17, 2022)

A recent study shows how politics and health outcomes have become more intertwined over time. From 2001 to 2019, researchers from Brigham and Women's Hospital looked at death rates and information on federal and state elections for all counties in the United States. The researchers discovered a "mortality gap," or an increasing divergence in age-adjusted death rates in counties that had supported Democrats or Republicans in prior presidential and governor elections.

Read more at: <https://scitechdaily.com/a-mortality-gap-republicans-are-dying-at-a-higher-rate-than-democrats/>

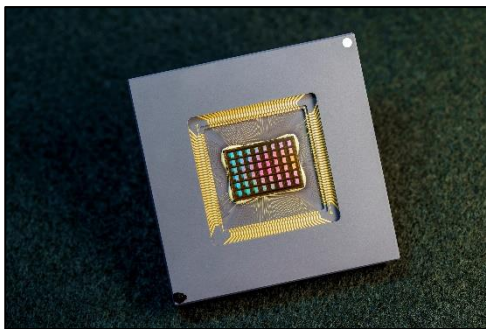
TECHNOLOGY



Credit: Unsplash

Highly-efficient new neuromorphic chip for AI on the edge.

(August 20, 2022)



NeuRRAM, a new chip that runs computations directly in memory and can run a wide variety of AI applications has been designed and built by an international team of researchers. What sets it apart is that it does this all at a fraction of the energy consumed by computing platforms for general-purpose AI computing.

Read more at:

<https://scitechdaily.com/highly-efficient-new-neuromorphic-chip-for-ai-on-the-edge/>

For the First Time – A robot has learned to imagine itself.

(August 20, 2022)



The researchers placed a robotic arm within a circle of five streaming video cameras. The robot watched itself through the cameras as it undulated freely. Like an infant exploring itself for the first time in a hall of mirrors, the robot wiggled and contorted to learn how exactly its body moved in response to various motor commands. After about three hours, the robot stopped. Its internal deep neural network had finished learning the relationship between the robot's motor actions and the volume it occupied in its environment.

Read more at:

<https://scitechdaily.com/for-the-first-time-a-robot-has-learned-to-imagine-itself/>

SPORTS



Praggnanandhaa loses to Duda in FTX Crypto Cup.

(August 21, 2022)

Teenaged Indian Grandmaster R Praggnanandhaa went down to Poland's Jan-Krzysztof Duda via the tie-break in the sixth round of the FTX Crypto Cup, the American finale of Champions Chess Tour. It was the second loss for the 17-year old GM after he went down to Quang Liem Le in the previous round. He, however, remained in second spot with 13 match points behind world No.1 Magnus Carlsen.



Read more at:

<https://indianexpress.com/article/sports/chess/praggnanandhaa-loses-to-duda-in-ftx-crypto-cup-8102607/>

Serie A: Romelu Lukaku stars in Inter Milan's 3-0 win over Spezia.

(August 21, 2022)



Romelu Lukaku starred in his first home game for Inter Milan since returning from Chelsea, helping his team beat Spezia 3-0 on Saturday for two wins from two games in Serie A. The Belgium forward was involved in two goals – scored in each half by Lautaro Martínez and Hakan Çalhanoğlu – and home fans applauded him enthusiastically when he made way for Edin Dzeko in the 68th minute.

Read more at:

<https://indianexpress.com/article/sports/football/serie-a-romelu-lukaku-stars-inter-milans-3-0-win-over-spezia-8102478/>

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