

#### Nature – June 6, 2024

- How NASA astronauts are training to do science on the moon
  - https://www.nature.com/articles/d41586-024-01533-3
- Star formation shut down by multiphase gas outflow in a galaxy at a redshift of 2.45
  - https://www.nature.com/articles/s41586-024-07412-1

# Science – June 7, 2024

- A carbon-rich protoplanetary disk around a very-low-mass star
  - https://www.science.org/doi/10.1126/science.adq8596
  - https://www.science.org/doi/10.1126/science.adi8147
- Ultra-high-energy cosmic ray sources are invisible in gamma ray surveys
  - https://iopscience.iop.org/article/10.3847/2041-8213/ad4359

## Nature – June 13, 2024

- Chinese spacecraft collects first rocks from moon's far side
  - https://www.nature.com/articles/d41586-024-01625-0
- Lense-Thirring precession after a supermassive black hole disrupts a star
  - https://www.nature.com/articles/s41586-024-07433-w

## Science – June 14, 2024

- Hubble telescope down to last gyroscopes, limiting science
  - https://www.science.org/content/article/aging-hubble-telescope-moves-one-gyro-operations-reducing-productivity-and-limiting

## Nature – June 20, 2024

- A Broad Line-width, Compact, Millimeter-bright Molecular Emission Line Source near the Galactic Center
  - https://iopscience.iop.org/article/10.3847/2041-8213/ad47fa
- A secondary atmosphere on the rocky exoplanet 55
  Cancri e
  - https://www.nature.com/articles/s41586-024-07432-x

## Science – June 21, 2024

- Galaxy's central black hole ignites
  - https://www.science.org/content/article/astronomers-witness-ravenous-black-hole-lighting-center-galaxy
- No place like home
  - https://www.science.org/content/article/could-super-earths-mini-neptunes-host-life-among-stars

# Nature – June 27, 2024

- How huge black holes sprouted just after the Big Bang
  - https://www.nature.com/articles/d41586-024-01703-3
- A warm Neptune's methane reveals core mass and vigorous atmospheric mixing
  - https://www.nature.com/articles/s41586-024-07395-z
- A high internal heat flux and large core in a warm Neptune exoplanet
  - https://www.nature.com/articles/s41586-024-07514-w

# Science – June 28, 2024

- Simulations predict intermediate-mass black hole formation in globular clusters
  - https://arxiv.org/pdf/2406.06772

#### Miscellaneous

- I will post this monthly news possibly with zero or more videos and links to watch, as for example, these:
  - https://www.youtube.com/watch?v=3Q5cl6oUoQE
  - https://www.youtube.com/watch?v=26ZmKqLNSZ8
  - https://www.youtube.com/watch?v=hZoxLVx OE8
  - https://www.youtube.com/watch?v=6EHI0GRBSbs