

Cosmology/Astrophysics News



Perseverance rover's first view of
Mars after landing February 18, 2021
with protective cover still on lens

February 2021 for Rose City Astronomers SIG

<http://101iq.com/RCA>

Nature – February 4, 2021

- “Life on Venus” claim faces strongest challenge yet
 - <https://www.nature.com/articles/d41586-021-00249-y>

Science – February 5, 2021

- The origins of Oumuamua – book review of “Extraterrestrial: The First Sign of Intelligent Life Beyond Earth”
 - <https://science.sciencemag.org/content/371/6529/579.summary>

Nature – February 11, 2021

- Squeezed light to be used to look for axions constituting dark matter
 - <https://www.nature.com/articles/d41586-021-00295-6>
 - <https://www.nature.com/articles/s41586-021-03226-7>

Science – February 12, 2021

- Speedy Galaxy Evolution
 - <https://science.sciencemag.org/content/371/6530/674.abstract>
 - <https://science.sciencemag.org/content/371/6530/713.abstract>

Nature – February 18, 2021

- Gamma ray bursts from thunderstorms
 - <https://media.nature.com/original/magazine-assets/d41586-021-00395-3/d41586-021-00395-3.pdf>

Science – February 19, 2021

- Voyager 2 is now 35 light-hours away – communication resumes using a refurbished antenna in Canberra Australia – Deep Space Station 43
- A six planet system with resonant orbits
 - <https://www.aanda.org/component/article?access=doi&doi=10.1051/0004-6361/202039767>

Nature – February 25, 2021

- Square Kilometer Array news
 - <https://www.nature.com/articles/d41586-021-00468-3>
- Flash of a meteor on Jupiter
 - <https://www.nature.com/articles/d41586-021-00417-0>
- Search for planet 9
 - <https://www.nature.com/articles/d41586-021-00459-4>
 - <https://arxiv.org/abs/2102.05601>
- Perseverance landing
 - <https://www.nature.com/articles/d41586-021-00432-1>
- Antimatter in the proton is more down than up
 - <https://www.nature.com/articles/d41586-021-00430-3>
 - <https://www.nature.com/articles/s41586-021-03282-z>

Science – February 26, 2021

- Perseverance will explore history of ancient lake
 - <https://science.sciencemag.org/content/371/6532/870>

Miscellaneous

- Next in-person meeting will be when pandemic is over. Please stay safe!
- In the meantime, I will post this monthly news possibly with a video to watch, as for example, these:
 - https://youtu.be/L9L_gNogNes
 - <https://youtu.be/8VWLjhJBCp0>