

### **AI systems to ensure cyber security in space**

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### **Anharmonic vibrational spectrum and experimental matrix isolation study of thioformic acid conformers-potential candidates for molecular cloud and solar system observations?**

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### **A bayesian estimation of the Milky Way's circular velocity curve using Gaia DR3**

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### **Cartography of the Apollo 12 landing site from photogrammetric analysis of surface imagery**

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### **Consistency of JWST black hole observations with NANOGrav gravitational wave measurements**

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### **Cyber range and digital twin technologies for space resiliency and security**

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### **Effect of glacial drainage water on the CO2 system and ocean acidification state in an Arctic tidewater-glacier fjord during two contrasting years**

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#### **Monograin layer solar cell for future lunar outpost**

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**Pyrite as prospective monograin layer solar cell absorber material for in-situ solar cell fabrication on the Moon**

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**Towards a resilient cyber architecture for space infrastructures : mitigating the new attack vectors**

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**The (un)predictable challenges and opportunities in a changing world**

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