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Cover story:

FAST, the Five-hundred-meter Aperture Spherical radio Telescope of China, is illustrated capturing the pulses from a repeating fast radio burst (FRB) known as FRB121102, against a backdrop of green and blue-colored landscape ink painting of ancient Chinese style. A team working with FAST reported October 2021 in *Nature* their discoveries about the emission mechanism of FRBs, based on their statistical analysis of a sample of bursts obtained in a monitoring campaign. This marks the biggest sample of FRB bursts recorded so far and the research ranked 6th in the newly released "Annual Top 10 Science Advances" of 2021 China (page 5).

(Image: NAOC)

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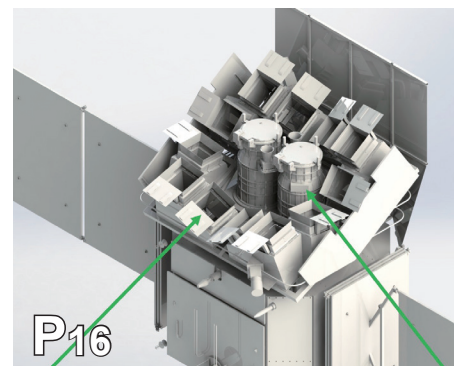
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A smart X-ray focusing imager inspired by lobster-eye is under calibration to secure excellent performance in orbit.

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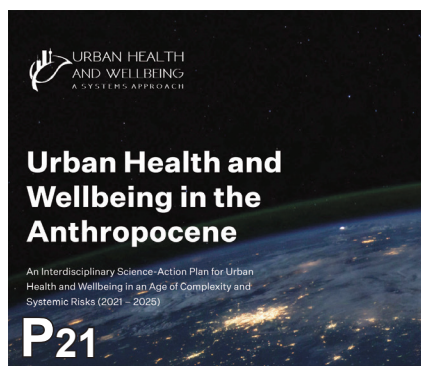
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Standing abreast to uphold the value of science as a public good – the mission and responsibility of the scientific enterprise in the service for society and humanity.



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