

Portions of the moon-forming impactor Theia survived throughout Earth's history in the deep mantle, according to a new theory proposed in a study published in the journal Nature on November 1,...

Theia is hypothesized to have orbited in the L 4 or L 5 configuration presented by the Earth-Sun system, where it would tend to remain. If this were the case it might have grown to a size comparable to Mars.

In more modern times, a small telescope can resolve Theia as a crescent- as seen from Earth, 33% illuminated at all times. It serves as a natural jumping-off point for the great expansion of humankind, ...

If Theia doesn't hit Earth, capture is extremely unlikely to happen unless something significantly massive already in orbit of Earth, or in orbit of Theia, carries off all the momentum needed to slow Theia ...

What if Theia & Earth never collided? Dive into the hypothetical scenario, uncovering changes in the Moon, Earth's core, and the course of evolution.

Imagine a world where life as we know it might not have been possible at all. It's a startling thought, but if Earth had not experienced a colossal impact from a celestial object named Theia ...

If Theia never struck, the proto-Earth would have retained its original, much faster rotation rate. Simulations suggest that without the impact's braking effect, a day on Earth might have lasted only five to ...

The most common theory for how the moon formed states that when the earth was young a Mars-sized planet collided with it, the cores of the two planets merged and the rest of Theia was destroyed ...

That single realization opens a door to something far stranger: if any such organisms exist, they might be older than Earth itself. They might be survivors from Theia, the Mars-sized world that collided with ...

Direct evidence of its existence has remained elusive. No leftover fragments from the planet have been found in the solar system. And many scientists assumed any debris Theia left behind on...

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