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Testing Models for the Formation of the Equatorial Ridge on Iapetus via Crater Counting

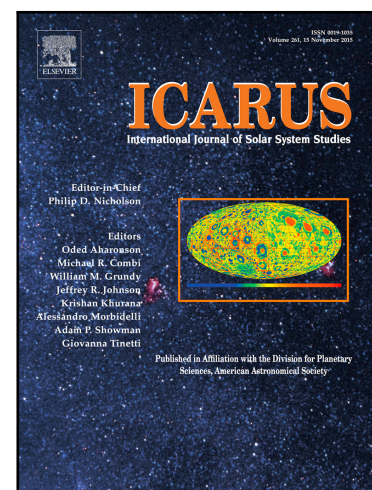
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Highlights

- We develop a database of craters on and around Iapetus's ridge.
- We assess the relative age of the ridge from differences in cratering.
- We use the crater database to analyze various ridge formation hypotheses.
- The relative age of the ridge is younger with an enhanced small impactor population.
- Ridge growth via a disrupted sub-satellite is most consistent with these results.

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