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Tidal dissipation in the lunar magma ocean and its effect on the early evolution of the Earth-Moon system

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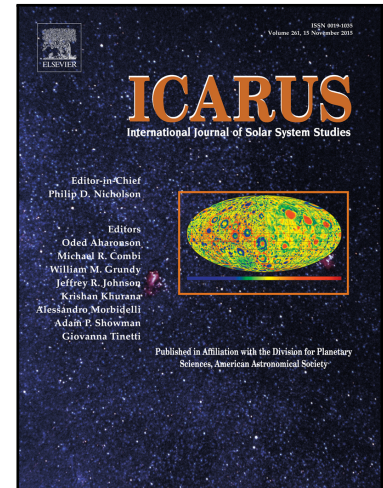
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1 **Highlights**

- 2 • We consider the effects of obliquity tidal dissipation in the lunar magma
3 ocean.
- 4 • Dissipation in the lunar magma ocean can rapidly damp the orbital
5 inclination.
- 6 • The lunar magma ocean must solidify prior to the Cassini state tran-
7 sition.
- 8 • The Earth's tidal Q is > 300 for models consistent with the present
9 inclination.

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