

**PRINT ONLY: COSMOCHEMICAL ORIGINS:
PHOTOCHEMISTRY, TRANSPORT, AND DISK EVOLUTION**

Canup R. M.

[*Conditions in an Infall-Supplied Protoplanetary Disk*](#) [#1245]

Here concepts developed in *Canup and Ward* (2002, 2006) for protosatellite disks are extended to the circumstellar environment to explore an actively supplied protoplanetary disk as a possible alternative to the minimum mass solar nebula.

Moudens A. Mousis O. Petit J.-M. Wurm G. Cordier D. Charnoz S.

[*The Role of Photophoresis in the Radial Transport of Hot Minerals in the Solar Nebula*](#) [#1409]

We investigate the possibility that photophoresis provides a viable mechanism to transport high-temperature materials from the inner solar system to the regions in which the comets were forming.

Pahlevan K. Stevenson D. J.

[*Unstratified Mixing After the Moon-Forming Giant Impact*](#) [#2746]

We quantify the degree of isotopic fractionation that could exist between the silicate Earth and Moon in the context of the unstratified equilibration hypothesis.

Vattuone L. Rocca M. Muralidharan K. de Leeuw N. H. Runge K. Deymier P. A. Drake M. J.

[*Experimental Evidence of Adsorption as a Source of Planetary Water*](#) [#2087]

Many Earth oceans of water could have been adsorbed onto grains in the accretion disk prior to the formation of the terrestrial planets.