Impact-Driven Tectonism During the Hadean [2733]

Impacting may have been an important driver for tectonism in the Hadean, and we show tectonism may have been coupled to evolving impact flux.

The Post-Accretionary Doldrums on Mars: Constraints on the Pre-Noachian Impact Flux [2873]

A lack of large basin-forming impacts during the pre-Noachian between the formation of Borealis and Hellas reveals a 400 Myr lull in martian bombardment.

Effect of a Buried Felsic Component in the Southern Crust of Mars on Lithosphere Growth [1925]

Comparative study of the stagnant lid growth in the two hemispheres of Mars, considering a buried felsic and pyroclastic component in the Mars Southern crust.

The Thermal Evolution of Mars and Mars-Type Planets: Geodynamic and Geochemical Potential for Early Mobility [2666]

Early mobility? / Obtainable with Models / But is it expected?

Valles Marineris Tectonic and Volcanic History Inferred from Dikes in Eastern Coprates Chasma Mars [2724]

Role of dikes in the tectonic and volcanic history of Valles Marineris.

Valles Marineris and the Martian Chasmata as Thermokarstic Poljes [2257]

Instead of a rift / Could Valles Marineris / Be thermokarstic?

A New Map of Graben on the Lunar Nearside: Initial Observations and Classification [1855]

The lunar nearside / Graben, graben everywhere / Where did they come from?

Domes, Pits, and Small Chaos on Europa Produced by Water Sills [1213]

We present a model for the formation of pits, domes, and small chaos on Europa by injection of liquid water in sills. We also map those features.

The Highest Point on Titan [2694]

Titan’s highest point? Mithrim Montes hazy peak 3K meters high.

Low Dip of a Fault Associated with a Wrinkle Ridge Seen in Melas Chasma, Mars [2511]

A Monte Carlo inversion is used to examine uncertainty of a low dip measured from a ridge that preserves the geometry of a wrinkle-ridge-forming fault on Mars.
11:00 a.m.  Byrne P. K. *  Klimczak C.  LaFond J. K.  
*The East Kaibab Monocline: A Terran Lobate Scarp? [#1022] 
Are there lobate scarps / On Earth? Yes, the East Kaibab / Monocline is one.

Evidence for Active Tectonism at the Lunar Surface [#2808] 
Active tectonics / Young ridges, scarps, and graben / Shaking up the Moon.

Stretch Marks on Phobos [#2575] 
Phobos spirals in / Tide rises, surface stretches / Grooves form in tension.