Bender Koch C. Kasami T.  
**Impactite Vesicles as Nucleation Site for Micron Sized Fe-Ni Spherules**  [#2775]

Impact derived micron-sized spherules of Fe-Ni alloys are commonly found within the glassy parts of impactites formed in craters originating from the fall of iron meteorites.

Chang Y. Xie M. Xiao Z. Tian X.  
**Estimation of Crater Degradation Rate Based on Crater Statistics**  [#1922]

Estimation of crater degradation rate based on crater statistics.

Krauss A. Whymark A. Lange J.-M.  
**Scanning Electron Microscopy of Guangdong Tektites Exhibiting Silica-Rich Glass Inclusions and Protrusions**  [#1848]

Protrusions on the posterior of Guangdong Tektites were investigated by SEM. Inclusions/protrusions were silica-rich, indicating they were not microtektites.

Kuzmicheva M. Yu.  
**Earth's Crater Magnetic Anomalies and Recent Advances in Lunar and Martian Magnetism**  [#1592]

Impact-related demagnetization is an important process of a magnetic crustal history.

Martell J. Alwmark C. Lindgren P. Johansson L.  
**Shock Metamorphic Features in Zircon Grains from the Lake Mien Impact Structure in Sweden**  [#1418]

This is a study of zircon microtextures from the Lake Mien impact structure. Results show granular and microporous texture, probably as a consequence of shock.

**Pre-Impact Macrobenthic Signature in the Chicxulub Area: Ichnological Record in Suevite of IODP-ICDP Expedition 364 (Site M0077)**  [#1812]

Ichnological analysis of sedimentary clasts in suevite recovered at IODP/ICDP Exp. 364 has been conducted to interpret environmental context before the impact.

Roy M. Sengupta P. Mahadik P. Pandey P.  
**Submicroscopic Diamond Within Carbonate Melt Globules in Impact Melt Breccia from Dhala (Mohar), Shivpuri District, M.P, India**  [#1212]

MicroRaman data of spots within carbonate globules in melt breccia show characteristic diamond peaks with upshift in band positions and increase in the FWHM.

Salamunićcar G.  
**Automated Crater Detection from Topography of (1) Ceres and Creation of Global Catalogue**  [#1639]

Automated crater detection has been used to process the digital topography of Ceres. After manual evaluation, the catalogue with 5614 craters has been created.

Shuvalov V. V. Khazins V. M.  
**Numerical Model of Ionospheric Disturbances Generated by Tunguska and Chelyabinsk Impacts**  [#1114]

The purpose of this study is to model large-scale atmospheric perturbations induced by well-known Tunguska (1908) and Chelyabinsk (2013) impacts.

Walesiak T. M.  
**Initial Results of Geomagnetic Survey in Morasko Meteorite Crater Field**  [#1644]

Morasko area presents many similarities to Campo del Cielo crater field. Recent geomagnetic survey reveals wide anomaly showing that further analogy may exist.
Whymark A.
*Further Geophysical Data in the Search for the Australasian Tektite Source Crater Location in the Song Hong — Yinggehai Basin, Gulf of Tonkin* [#1078]
Higher resolution gravity data and a seismic line over the NE edge of the gravity anomaly have been made available, these data may be indicative of a crater.

Winter P. M.  Maindl T. I.  Galiazzo M. A.  Schäfer C. M.
*The Origin of Callisto’s Valhalla Basin: First Results of SPH Impact Simulations and the Search for the Impactor’s Origin* [#1519]
We explore the formation of the Valhalla Crater on Callisto focusing on the impact-induced formation process itself and the origin of the impactor.

Xiao Z.
*Search for Potential Impact Craters in China* [#1828]
Recent project advances in looking for potential impact craters in China are reported.

Öhman T.
*Lappajärvi Impact Structure, Finland — Triple Anniversary in 2018 and Prospects for Research and Outreach* [#2318]
The year 2018 marks the 160th, 50th, and 20th anniversaries of the first descriptions of the Lappajärvi impact melt rocks, PDFs, and impact diamonds, respectively.