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Badjukov D. D. Raitala J.

[*Ablation Spherules of the Sikhote-Alin Iron Meteorite Shower*](#) [#1759]

We report textures, mineralogy, and compositions of the meteorite ablation spherules collected at the crater field of the Sikhote-Alin iron shower. Using specific features of the spherules we give constraints on formation parameters of the spherules.

Baghdadi B. Godard G. Jambon A.

[*Metamorphic Reactional Coronas in the Peridotitic Angrite NWA 3164, Interpretations and Implications*](#) [#2188]

The NWA 3164 angrite shows some unique metamorphic features that consist in various complex coronas developing at mineral interfaces. Thermodynamic calculations permit to constrain P,T conditions of formation.

Bartoschewitz R. Tagle R. Nolze G. Spettel B. Greshake A.

[*The Dermbach Meteorite — A Relict of the IVA Parent Body?*](#) [#1192]

Dermbach might be a Ni-rich member of the IVA group that formed during parent body core crystallization.

Caporali S. Moggi-Cecchi V. Pratesi G. Franchi I. Greenwood R. C.

[*NWA 6685: A New Lodranite from Northwest Africa*](#) [#1935]

In this communication we provide the petrographic and minerochemical description of a new achondrite meteorite. The coarse texture, as well as the minerochemical and oxygen isotope data, suggest the classification of this meteorite as lodranite.

Teplyakova S. N. Artemov V. V. Vasiliev A. L.

[*Unusual Siderite-Bearing Dendrites in Melt Pockets of the Elga IIE Iron*](#) [#1064]

The Elga iron contains melt pockets with dendritic texture not only inside Fe,Ni-metal but also inside silicate inclusions (SI). The unusual siderite-bearing melt pockets inside SIs has never been previously observed in any types of meteorites.

Wright A. J. Parnell J.

[*Raman Characterization of Thermally Altered Carbon and Implications for the Evolution of Ureilite Carbon*](#) [#1018]

This study used carbon in terrestrial, CC, and ureilite samples to show that the diversity of terrestrial and extraterrestrial carbon is broadly comparable in both datasets and that thermal alteration follows similar inferred evolutionary pathways.