

Accepted Manuscript

Chemistry of impact events on Mercury

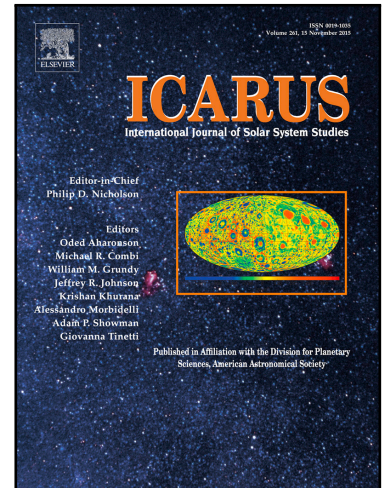
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PII: S0019-1035(17)30071-4
DOI: [10.1016/j.icarus.2017.08.034](https://doi.org/10.1016/j.icarus.2017.08.034)
Reference: YICAR 12589

To appear in: *Icarus*

Received date: 6 February 2017
Revised date: 8 July 2017
Accepted date: 24 August 2017

Please cite this article as: Alexey A. Berezhnoy , Chemistry of impact events on Mercury, *Icarus* (2017), doi: [10.1016/j.icarus.2017.08.034](https://doi.org/10.1016/j.icarus.2017.08.034)



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Highlights

- Formation of molecules and dust grains during impacts of meteoroids on Mercury is considered.
- Quenched chemical composition of impact-produced clouds is estimated.
- Impacts of meteoroids are considered as a main source of Fe, Mg, and Mn atoms in the exosphere of Mercury.

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