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## **Chronology of unexplored region on the Moon based on the in-situ U-Pb dating of lunar VLT basaltic breccia**

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<http://www.geol.sci.hiroshima-u.ac.jp/~geochem/geochem.html>

The lunar meteorites have been valuable sources for understanding the evolution of the Moon's crust, because each meteorite could potentially provide a new insight into the thermal history of unexplored regions on the Moon. In spite of their scientific interest, chronological studies of Very-Low-Ti (VLT) basaltic meteorites have not been well understood, since the most VLT basalt meteorites are brecciated and consist of mixtures of materials with different origins. In this paper, we report ion microprobe U-Pb isotopic analyses of the phosphates in VLT brecciated lunar meteorites.