



## **Organic synthesis inferred from an ultracarbonaceous micrometeorite**

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In order to understand the origin and evolution of primitive organic materials in the early solar system, we have studied ultracarbonaceous micrometeorite (UCMM) collected from Antarctic. It is about ten microns across on a cut surface, irregularly shaped, and accompanied by GEMs like materials. It's composition is N-rich C. It may be a product of photochemical reaction of interstellar/precometary ices, which was further reacted with minerals with small amount of water on a parent body.