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主な研究内容

- 微小鉱物を用いた隕石の年代測定
- 消滅核種の太陽系形成時における存在度の検証
- 地球および地球外物質の希ガス同位体分析
- 核分裂生成核種の地球表層における地球化学的挙動の解明

経歴

2010 年	広島大学大学院理学研究科地球惑星システム学専攻修了、博士（理学）取得
2010-2012 年	国立極地研究所地圏研究グループ・特任研究員 / 学振 PD
2012-2014 年	東京大学大学院理学系研究科附属地殻化学実験施設・学振 PD
2014-2015 年	国立極地研究所地圏研究グループ・特任研究員
2015-2016 年	ETH Zurich, Institute of Geochemistry and Petrology・学振海外特別研究員
2016 年 10 月 -	現職

主な業績

- ▶ Keisuke Nagao, **Makiko K. Haba**, Jong Ik Lee, Taehoon Kim, Mi Jung Lee, Changkun Park, Yong Joo Jwa, and Byeon-Gak Choi. Major elements and noble gases of the Jinju (H5) meteorite, observed fall on 2014 March 9 in South Korea. *Geochemical Journal*, Vol. 50, pp 315-325, 2016.
- ▶ Tsuyoshi Iizuka, Akira Yamaguchi, **Makiko K. Haba**, Yuri Amelin, Peter Holden, Sonja Zink, Magdalena H. Huyskens, and Trevor R. Ireland. Timing of global crustal metamorphism on Vesta as revealed by high-precision U-Pb dating and trace element chemistry of eucrite zircon. *Earth and Planetary Science Letters*, Elsevier, volume 409, pp 182-192, 2015.
- ▶ **Makiko K. Haba**, Akira Yamaguchi, Kenji Horie, and Hiroshi Hidaka. Major and trace elements of zircons from basaltic eucrites: Implications for the formation of zircons on the eucrite parent body. *Earth and Planetary Science Letters*, Elsevier, volume 387, pp 10-21, 2014.
- ▶ Olga Popova et al. (Chelyabinsk Airburst Consortium). Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. *Science*, AAAS, volume 342, pp 1069-1073, 2013.
- ▶ **Makiko Kikuchi**, Hiroshi Hidaka, and François Gauthier-Lafaye. Formation and geochemical significance of micrometallic aggregates including fissionogenic platinum group elements in the Oklo natural reactor, Gabon. *Geochimica et Cosmochimica Acta*, Elsevier, volume 74, pp 4709-4722, 2010.
- ▶ Hiroshi Hidaka and **Makiko Kikuchi**. In-situ isotopic analyses of REE, Pb and U in microminerals bearing fission products in the Oklo and Bangombé natural reactors: A review of natural analogue study for migration of fission products by SHRIMP analyses, *Precambrian Research*, Elsevier, volume 183, pp 158-165, 2010.
- ▶ **Makiko Kikuchi** and Hiroshi Hidaka. In-situ U-Pb analyses of highly altered zircon from sediments overlying the Bangombé natural fission reactor, Gabon. *Geosciences journal*. The Korean Association of Geoscience Societies, volume 13, pp 257-264, 2009.
- ▶ **Makiko Kikuchi**, Hiroshi Hidaka, and Kenji Horie. Geochemical behavior of radionuclides in highly altered zircon above the Bangombé natural fission reactor, Gabon. *Physics and Chemistry of the Earth*, Part A/B/C, Elsevier, volume 33, pp 978-982, 2008.
- ▶ **Makiko Kikuchi**, Hiroshi Hidaka, Kenji Horie, and François Gauthier-Lafaye. Redistribution of REE, Pb and U by supergene weathering studied from in-situ isotopic analyses of the Bangombé natural reactor, Gabon. *Geochimica et Cosmochimica Acta*, Elsevier, volume 71, pp 4716-4726, 2007.