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Research interests

Isotope cosmochemistry, Astrophysics, Solar system formation, Ion microprobe

Education

Mar. 2012 Ph.D. The University of Tokyo, Tokyo, Japan

Mar. 2009 M.Sc. The University of Tokyo, Tokyo, Japan

Mar. 2007 B.Sc. The University of Tokyo, Tokyo, Japan

Employment

Apr. 2020-present Associate Professor (Ibaraki University)

Apr. 2015-Mar. 2020 Assistant Professor (Ibaraki University)

Apr. 2013-Mar. 2015 Postdoctoral Fellow (Max-Planck-Institut für Chemie)

Apr. 2012-Mar. 2013 Research Fellow (PD) of JSPS

Apr. 2011-Mar. 2012 Research Fellow (DC2) of JSPS

Oct. 2009-Mar. 2011 Research assistant of the Japan Society for the Promotion of Science (JSPS) Global COE program at Tokyo Institute of Technology and the University of Tokyo

(Research visit)

Apr. 2012-Mar. 2013 Max-Planck-Institut für Chemie

Mar.-May 2010 Max-Planck-Institut für Chemie (supported by the JSPS Global COE program)

Honors and Awards

2016 Outstanding Contribution in Reviewing (Geochimica et Cosmochimica Acta)

2016 Ibaraki University president commendation for science (Encouraging prize) (Ibaraki University)

2015 Encouraging prize (The Geochemical Society of Japan)

2012 Encouraging prize for Ph.D. thesis (School of Science, The University of Tokyo)

Memberships

American Geophysical Union

The Meteoritical Society

Geochemical Society

Committee history

2023- Publications Committee, The Meteoritical Society

2019 The 82nd Annual Meeting of the Meteoritical Society, Local organizing committee

Funding

2023-2027 Grant-in-Aid for Scientific Research (A) (No. 23H00146), JPY 47,840,000

2022-2024 Grant-in-Aid for Scientific Research (B) (No. 22H01279), JPY 17,940,000

2020-2024 Grant-in-Aid for Scientific Research (A) (No. 20H00190), JPY 43,030,000

2020-2022 Grant-in-Aid for Challenging Research (Exploratory) (No. 20K20934), JPY 6,370,000

2019-2023 Grant-in-Aid for Scientific Research (A) (No. 19H00725), JPY 44,980,000

2018-2019 Grant-in-Aid for Scientific Research on Innovative Areas (Project Area: Aqua Planetology) (No. 18H04454), JPY 4,420,000

2017-2019 Grant-in-Aid for Scientific Research (B) (No. 17H02992), JPY 17,290,000

2017-2019 Grant-in-Aid for challenging Research (Exploratory) (No. 17K18814), JPY 5,980,000

2016-2019 Grant-in-Aid for Young Scientists (B) (No. 16K17838), JPY 4,030,000

2011-2012 Grant-in-Aid for JSPS Research Fellows (No. 11J09530), JPY 1,300,000

Journal review

Science, Nature Geoscience, Scientific Reports, The Astrophysical Journal, The Astrophysical Journal Letters, Earth and Planetary Science Letters, Geochimica et Cosmochimica Acta, Meteoritics & Planetary Science, Geochemical Perspective Letters, Geochemical Journal, Polar Science, Earth, Planets and Space, Mass Spectrometry

Publications

Peer-reviewed journals

1) Fukai R., Usui T., **Fujiya W.**, Takano Y., Bajo K., Beck A., Bonato E., Chabot M. L., Furukawa Y., Genda H., Hibiya Y., Jourdan F., Kleine T., Koike M., Matsuoka M., Miura Y. N., Moynier F., Okazaki R., Russell S. S., Sumino H., Zolensky M. E., Sugahara H.,

Tachibana S., Sakamoto K., Abe M., Cho Y. and Kuramoto K. (2024)
Curation protocol of Phobos sample returned by Martian Moons eXploration.
Meteoritics & Planetary Science, 59, 321-337.

2) Nakanishi N., Yokoyama T., Ishikawa A., Walker R. J., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bajo K., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N., Davis A. M., Di Rocco T., **Fujiya W.**, Fukai R., Guntam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Itoh S., Kawasaki N., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., Morita M., Motomura K., Moynier F., Nakai I., Nagashima K., Nguyen A. N., Nittler L., Onose M., Pack A., Park C., Piani L., Qin L., Russell S. S., Sakamoto N., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wada S., Wadhwa M., Yamashita K., Yin Q.-Z., Yoneda S., Young E. D., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2023)
Nucleosynthetic *s*-process depletion in Mo from Ryugu samples returned by Hayabusa2.
Geochemical Perspectives Letters, 28, 31-36.

3) Bizzarro M., M. Schiller M., Yokoyama T., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bajo K., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N., Davis A. M., Di Rocco T., **Fujiya W.**, Fukai R., Guntam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Itoh S., Kawasaki N., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., Morita M., Moynier F., Motomura K., Nakai I., Nagashima K., Nesvorný D., Nguyen A. N., Nittler L., Onose M., Pack A., Park C., Piani L., Qin L., Russell S. S., Sakamoto N., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wada S., Wadhwa M., Walker R. J., Yamashita K., Yin Q.-Z., Yoneda S., Young E. D., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2023)
The magnesium isotope composition of samples returned from asteroid Ryugu.
The Astrophysical Journal Letters, 958:L25 (9pp).

4) Yokoyama T., Wadhwa M., Iizuka T., Rai V. Guntam I., Hibiya Y., Masuda Y., Haba M. K., Fukai R., Hines R., Phelan N., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bajo K., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N.,

Davis A. M., Di Rocco T., **Fujiya W.**, Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Ireland T. R., Ishikawa A., Itoh S., Kawasaki N., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., McKeegan K. D., Morita M., Motomura K., Moynier F., Nakai I., Nagashima K., Nguyen A. N., Nittler L., Onose M., Pack A., Park C., Piani L., Qin L., Russell S. S., Sakamoto N., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wada S., Walker R. J., Yamashita K., Yin Q.-Z., Yoneda S., Young E. D., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2023)

Water circulation in Ryugu asteroid affected the distribution of nucleosynthetic isotope anomalies in returned sample.

Science Advances, 9, eadi7048.

5) Tang H., Young E. D., Tafla L., Park C., Di Rocco T., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bajo K., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N., Davis A. M., **Fujiya W.**, Fukai R., Gautam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Ito M., Itoh S., Kawasaki N., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., McKeegan K. D., Morita M., Motomura K., Moynier F., Nagashima K., Nakai I., Nguyen A. N., Nittler L., Onose M., Pack A., Park C., Piani L., Qin L., Russell S. S., Sakamoto N., Schönbächler M., Terada K., Terada Y., Usui T., Wada S., Wadhwa M., Walker R. J., Yamashita K., Yin Q.-Z., Yokoyama T., Yoneda S., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2023)

   The oxygen isotopic composition of samples returned from asteroid Ryugu with implications for the nature of the parent planetesimal.

   The Planetary Science Journal, 4:144 (15pp).

6) Nguyen A. N., Mane P., Keller L. P., Piani L., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bajo K., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N., Davis A. M., Di Rocco T., **Fujiya W.**, Fukai R., Gautam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Itoh S., Kawasaki N., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., McKeegan K. D., Morita M., Motomura K., Moynier F., Nakai I., Nagashima K., Nesvorný D., Nittler L., Onose M., Pack A., Park

C., Qin L., Russell S. S., Sakamoto N., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wada S., Wadhwa M., Walker R. J., Yamashita K., Yin Q.-Z., Yokoyama T., Yoneda S., Young E. D., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2023)
Abundant presolar grains and primordial organics preserved in carbon-rich exogenous clasts in asteroid Ryugu.
Science Advances, 9, eadh1003.

7) **Fujiya W.**, Kawasaki N., Nagashima K., Sakamoto N., Alexander C. M. O'D., Kita N. T., Kitajima K., Abe Y., Aléon J., Amari S., Amelin Y., Bajo K., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N., Davis A. M., Di Rocco T., Fukai R., Gautam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Itoh S., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., McKeegan K. D., Morita M., Motomura K., Moynier F., Nakai I., Nguyen A., Nittler L. R., Onose M., Pack A., Park C., Piani L., Qin L., Russell S. S., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wada S., Wadhwa M., Walker R. J., Yamashita K., Yin Q.-Z., Yokoyama T., Yoneda S., Young E. D., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2023)
Carbonate record of temporal change in oxygen fugacity and gaseous species in asteroid Ryugu.
Nature Geoscience, 16, 675-682.

8) Piani L., Nagashima K., Kawasaki N., Sakamoto N., Bajo K., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N., Davis A. M., Di Rocco T., **Fujiya W.**, Fukai R., Gautam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Itoh S., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., McKeegan K. D., Morita M., Motomura K., Moynier F., Nakai I., Nguyen A., Nittler L. R., Onose M., Pack A., Park C., Qin L., Russell S. S., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wada S., Wadhwa M., Walker R. J., Yamashita K., Yin Q.-Z., Yokoyama T., Yoneda S., Young E. D., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S.,

Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2023)
Hydrogen isotopic composition of hydrous minerals in asteroid Ryugu.
The Astrophysical Journal Letters, 946, L43 (11pp).

9) Paquet M., Moynier F., Yokoyama T., Dai W., Hu Y., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bajo K., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N., Davis A. M., Di Rocco T., **Fujiya W.**, Fukai R., Gautam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Ito M., Itoh S., Kawasaki N., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., McKeegan K. D., Morita M., Motomura K., Nakai I., Nagashima K., Nesvorný D., Nguyen A., Nittler L. R., Onose M., Pack A., Park C., Piani L., Qin L., Russell S. S., Sakamoto N., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wada S., Wadhwa M., Walker R. J., Yamashita K., Yin Q.-Z., Yoneda S., Young E. D., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2023)
Contribution of Ryugu-like material to Earth’s volatile inventory by Cu and Zn isotopic analysis.
Nature Astronomy, 7, 182-189.

10) Kawasaki N., Nagashima K., Sakamoto N., Matsumoto T., Bajo, K., Wada S., Igami Y., Miyake A., Noguchi T., Yamamoto D., Russell, S. S., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N., Davis A. M., Di Rocco T., **Fujiya W.**, Fukai R., Gautam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Ito M., Itoh S., Kawasaki N., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., McKeegan K. D., Morita M., Motomura K., Moynier F., Nakai I., Nguyen A., Nittler L. R., Onose M., Pack A., Park C., Piani L., Qin L., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wadhwa M., Walker R. J., Yamashita K., Yin Q.-Z., Yokoyama T., Yoneda S., Young E. D., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2022)
Oxygen isotopes of anhydrous primary minerals show kinship between asteroid Ryugu and comet 81P/Wild2.
Science Advances, 8, 50.

11) Sugawara S., **Fujiya W.**, Kagi H., Yamaguchi A. and Hashizume K. (2022)

Heat-induced dolomitization of amorphous calcium magnesium carbonate (ACMC) in a CO_2-filled closed System.
ACS Omega, 7, 44670–44676.

12) Vacher L. G. and **Fujiya W.** (2022)
Recent advances in our understanding of water and aqueous activity in chondrites.
Elements, 18, 175-180.

13) Hopp T., Dauphas N., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bajo K., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Davis A. M., Di Rocco T., **Fujiya W.**, Fukai R., Gautam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Ito M., Itoh S., Kawasaki N., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., McKeegan K. D., Morita M., Motomura K., Moynier F., Nakai I., Nagashima K., Nesvorný D., Nguyen A., Nittler L. R., Onose M., Pack A., Park C., Piani L., Qin L., Russell S. S., Sakamoto N., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wada S., Wadhwa M., Walker R. J., Yamashita K., Yin Q.-Z., Yokoyama T., Yoneda S., Young E. D., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2022)
Ryugu's nucleosynthetic heritage from the outskirts of the Solar System.
Science Advances, 8, 46.

14) Moynier F., Dai W., Yokoyama T., Hu Y,, Paquet M., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bajo K., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N., Davis A. M., Di Rocco T., **Fujiya W.**, Fukai R., Gautam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Ito M., Itoh S., Kawasaki N., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., McKeegan K. D., Morita M., Motomura K., Nakai I., Nagashima K., Nesvorný D., Nguyen A., Nittler L. R., Onose M., Pack A., Park C., Piani L., Qin L., Russell S. S., Sakamoto N., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wada S., Wadhwa M., Walker R. J., Yamashita K., Yin Q.-Z., Yoneda S., Young E. D., Yui H., Zhang A.-C., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Yabuta H., Abe M., Miyazaki A., Nakato A., Nishimura M., Okada T., Yada T., Yogata K., Nakazawa S., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yoshikawa M., Tachibana S. and Yurimoto H. (2022)
The Solar System calcium isotopic composition inferred from Ryugu samples.
Geochemical Perspectives Letters, 24, 1-6.

15) Barosch J., Nittler L. R., Wang J., Alexander C. M. O'D., De Gregorio B. T., Engrand C., Kebukawa Y., Nagashima K., Stroud R. M., Yabuta H., Abe Y., Aléon J., Amari S., Amelin Y., Bajo K., Bejach L., Bizzarro M., Bonal L., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Cody G. D., Dartois E., Dauphas N., Davis A. M., Dazzi A., Deniset-Besseau A., Di Rocco T., Duprat E., **Fujiya W.**, Fukai R., Gautam I., Haba M. K., Hashiguchi M., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Ito M., Itoh S., Kamide K., Kawasaki N., Kilcoyne A. L. D., Kita N. T. Kitajima K., Kleine T., Komatani S., Komatsu M., Krot A. N., Liu M.-C., Martins Z., Masuda Y., Mathurin J., McKeegan K. D., Montagnac G., Morita M., Mostefaoui S., Motomura K., Moynier F., Nakai I., Nguyen A., Ohigashi T., Okumura T., Onose M., Pack A., Park C., Piani L., Qin L., Quirico E., Remusat L., Russell S. S., Sakamoto N., Sandford S. A., Schönbächler M., Shigenaka M., Suga H., Tafla L., Takahashi Y., Takeichi Y., Tamenori Y., Tang H., Terada K., Terada Y., Usui T., Vendier-Paoletti M., Wada S., Wadhwa M., Wakabayashi D., Walker R. J., Yamashita K., Yamashita S., Yin Q.-Z., Yokoyama T., Yoneda S., Young E. D., Yui H., Zhang A.-C., Abe M., Miyazaki A., Nakato A., Nakazawa S., Nishimura M., Okada T., Saiki T., Tanaka S., Terui F., Tsuda Y., Watanabe S., Yada T., Yogata K., Yoshikawa M., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Tachibana S. and Yurimoto, H. (2022)
Presolar stardust in asteroid Ryugu.
The Astrophysical Journal Letters, 935, L3 (12pp) (arXiv:2208.07976).

16) Yokoyama T., Nagashima K., Nakai I., Young E. D., Abe Y., Aléon J., Alexander C. M. O'D., Amari S., Amelin Y., Bajo K., Bizzarro M., Bouvier A., Carlson R. W., Chaussidon M., Choi B.-G., Dauphas N., Davis A. M., Di Rocco T., **Fujiya W.**, Fukai R., Gautam I., Haba M. K., Hibiya Y., Hidaka H., Homma H., Hoppe P., Huss G. R., Ichida K., Iizuka T., Ireland T. R., Ishikawa A., Ito M., Itoh S., Kawasaki N., Kita N. T. Kitajima K., Kleine T., Komatani S., Krot A. N., Liu M.-C., Masuda Y., McKeegan K. D., Morita M., Motomura K., Moynier F., Nguyen A., Nittler L. R., Onose M., Pack A., Park C., Piani L., Qin L., Russell S. S., Sakamoto N., Schönbächler M., Tafla L., Tang H., Terada K., Terada Y., Usui T., Wada S., Wadhwa M., Walker R. J., Yamashita K., Yin Q.-Z., Yoneda S., Yui H., Zhang A.-C., Connolly, H. C., Jr. Lauretta D. S., Nakamura T., Naraoka H., Noguchi T., Okazaki R., Sakamoto K., Yabuta H., Abe M., Arakawa M., Fujii A., Hayakawa M., Hirata N., Hirata N., Honda R., Honda C., Hosoda S., Iijima Y., Ikeda H., Ishiguro M., Ishihara Y., Iwata T., Kawahara K., Kikuchi S., Kitazato K., Matsumoto K., Matsuoka M., Michikami T., Mimasu Y., Miura A., Morota T., Nakazawa S., Namiki N., Noda H., Noguchi R., Ogawa N., Ogawa K., Okada T., Okamoto C., Ono G., Ozaki M., Saiki T., Sakatani N., Sawada H., Senshu H., Shimaki Y., Shirai K., Sugita S., Takei Y., Takeuchi H., Tanaka S.,

Tatsumi E., Terui F., Tsuda Y., Tsukizaki R., Wada K., Watanabe S., Yamada M., Yamada T., Yamamoto Y., Yano H., Yokota Y., Yoshihara K., Yoshikawa M., Yoshikawa K., Furuya S., Hatakeda K., Hayashi T., Hitomi Y., Kumagai K., Miyazaki A., Nakato A., Nishimura M., Soejima H., Suzuki A., Yada T., Yamamoto D., Yogata K., Yoshitake M., Tachibana S. and Yurimoto H. (2022)
Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites.
Science, 379, 6634.

17) **Fujiya W.**, Higashi H., Hibiya Y., Sugawara S., Yamaguchi A., Kimura M. and Hashizume K. (2022)
Hydrothermal activities on C-complex asteroids induced by radioactivity.
The Astrophysical Journal Letters, 924, L16 (10pp) (arXiv:2201.00996).

18) **Fujiya W.**, Furukawa Y., Sugahara H., Koike M., Bajo K., Chabot N. L., Miura Y. N., Moynier F., Russell S. S., Tachibana S., Takano Y., Usui T. and Zolensky M. E. (2021)
Analytical protocols for Phobos regolith samples returned by the Martian Moons eXploration (MMX) mission.
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19) Fukuda K., Hiyagon H., **Fujiya W.**, Kagoshima T., Itano K., Iizuka T., Kita N. T. and Sano Y. (2021)
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1) Fujiya W., Ushikubo T., Sugawara S., Yamaguchi A., Fukuda K., Lee M. R., Terada K., Bland P. A. and Travis B. J. (2023)
Oxygen isotopic composition of dolomite in Ryugu: New insights into the thermal history of the Ryugu parent body.
Hayabusa 2023 Symposium (Sagamihara-online hybrid, Japan, oral)

2) Fujiya W., Kogiso R., Sugawara S. and Hashizume K. (2023)
On the Mn-Cr dating of Ryugu carbonates using ion-implanted standard materials.
86th Annual Meteoritical Society Meeting (Los Angeles, USA, poster)

3) Fujiya W., Krot A. N. and Pravdivtseva O. V. (2023)
Chronology of metasomatic/aqueous alteration.
ISSI Workshop on “Evolution of the Solar System: Constraints from Meteorites” (Bern, Switzerland, oral)

4) Fujiya W., Kawasaki N., Nagashima K., Alexander C. M. O’D. Yurimoto H., The Hayabusa2-initial-analysis chemistry team and The Hayabusa2-initial-analysis core (2022)
Oxygen and carbon isotope compositions of Ryugu’s carbonates: Constraints on the conditions of aqueous alteration.
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5) Fujiya W., Furukawa Y., Sugahara H., Koike M., Bajo K., Chabot N. L., Miura Y. N., Moynier F., Russell S. S., Tachibana S., Takano Y., Usui T. and Zolensky M. E. (2021)
Scientific importance of the sample analyses of Phobos regolith and the analytical protocols of returned samples by the MMX mission.
Hayabusa 2021 Symposium (Online, oral, **invited**)

6) Fujiya W. (2021)
Small body exploration for understanding of Earth’s building blocks.
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7) Fujiya W., Furukawa Y., Sugahara H., Koike M., Bajo K., Chabot N. L., Miura Y. N., Moynier F., Russell S. S., Tachibana S., Takano Y., Usui T. and Zolensky M. E. (2021)
Sample analysis of Phobos regolith returned by JAXA's Martian Moons eXploration

(MMX) mission and its scientific objectives.
Goldschmidt 2021 (Online, e-presentation with a flash talk)

8) Fujiya W. (2021)
Material transport in the Solar System: Insights from MMX sample analysis.
4th MMX Science Team Meeting (Online, oral, **invited**)

9) Fujiya W., Higashi H., Hibiya Y., Sugawara S., Yamaguchi A., Kimura M. and Hashizume K. (2020)
Evolution of thermally metamorphosed C-complex asteroids inferred from a heated CM chondrite Jbilet Winselwan.
JpGU-AGU Joint Meeting: Virtual (Online, iPoster with a flash talk, **invited**)

10) Fujiya W., Higashi H., Yamaguchi A., Kimura M. and Hashizume K. (2019)
Anhydrite in the Jbilet Winselwan CM chondrite: Implications for the heat source of post-alteration thermal metamorphism.
82nd Annual Meteoritical Society Meeting (Sapporo, Japan, oral)

11) Fujiya W., Aoki Y., Ushikubo Y. and Hashizume K. (2019)
Evolution of Fluid Composition Inferred from Calcite in the Yamato 791198 CM Chondrite.
50th Lunar and Planetary Science Conference (Houston, USA, poster)

12) Fujiya W., Hoppe P., Fukuda K., Lindgren P. Lee M. R., Koike M., Shirai K. and Sano Y. (2018)
Carbon isotopic ratios of carbonate in CM chondrites and the Tagish Lake meteorite.
49th Lunar and Planetary Science Conference (Houston, USA, oral)

13) Fujiya W., Fukuda K., Lindgren P. Lee M. R., Koike M. and Sano Y. (2017)
Carbon isotopic ratios of calcite grains in the LAP 031166 CM chondrite: Implications for possible link between CM and cometary ices.
Hayabusa 2017: Symposium of the Solar System Materials (Tachikawa, Japan, oral)

14) Fujiya W. (2017)
Primitive meteorites with abundant water.
JSPS Core-to-Core Program “Planet2” Symposium 2017 (Nice, France, oral, **invited**)

15) Fujiya W. (2016)
How can we know the initial properties of Ryugu? Clues from oxygen isotopes and carbonate minerals.
Hayabusa 2: The 1st meeting of multi-scale asteroid science group (Sagamihara, Japan, oral)

16) Fujiya W., Bochsler P., Wieler R., Hoppe P. and Ott U. (2016)
Solar wind boron in ilmenite grains from lunar soil 71501.
79th Annual Meteoritical Society Meeting (Berlin, Germany, poster)

17) Fujiya W. (2016)
Fluid flow in small bodies induced by hydrogen gas pressure.
Goldschmidt 2016 (Yokohama, Japan, oral)

18) Fujiya W. (2016)
Current status and future prospect of isotope cosmochemistry and mass spectrometry.
Pre-Forum Meeting on Future Cosmochemistry for the JSPS "Science in Japan Forum 2016 (Washington D.C., USA, oral, **invited**)

19) Fujiya W. (2016)
Fluid flow in hydrous asteroids induced by H_2 gas pressure.
Japan Geoscience Union Meeting 2016 (Chiba, Japan, oral)

20) Fujiya W., Fukuda K., Koike M., Ishida A. and Sano Y. (2016)
Oxygen and carbon isotopic ratios of carbonates in the Nogoya CM chondrite.
47th Lunar and Planetary Science Conference (Houston, USA, poster)

21) Fujiya W., Fukuda K., Ishida A. and Sano Y. (2015)
Oxygen- and carbon-isotope evolution in fluids during aqueous alteration.
Hayabusa 2015: Symposium of the Solar System Materials (Sagamihara, Japan, oral)

22) Fujiya W., Knut Metzler and Hoppe P. (2015)
Lithium distribution in equilibrated ordinary chondrites: Implications for their cooling history.
Goldschmidt 2015 (Prague, Czech Republic, poster)

23) Fujiya W., Hoppe P., Ott U., Meier M. M. M. and Bochsler P. (2014)
Lithium and boron isotopic ratios of olivine grains from Itokawa asteroid.
Hayabusa 2014: Symposium of the Solar System Materials (Sagamihara, Japan, oral)

24) Fujiya W., Sugiura N., Marrocchi Y., Takahata N., Hoppe P., Shirai K., Sano Y. and Hiyagon H. (2014)
Carbon and O isotopic ratios, trace element abundances and cathodoluminescence observation of calcite in Murchison.
76th Annual Meteoritical Society Meeting (Casablanca, Morocco, oral)

25) Fujiya W., Hoppe P., Ott U., Meier M. M. M. and Bochsler, P. (2014)
Solar wind boron observed in a Hayabusa sample and a gas-rich meteorite.
45th Lunar and Planetary Science Conference (Houston, USA, oral)

26) Fujiya W., Hoppe P., Zinner E., Pignatari M. and Herwig, F. (2014)
A born-again AGB star origin of Type AB silicon carbide grains inferred from radiogenic sulfur-32.
45th Lunar and Planetary Science Conference (Houston, USA, poster)

27) Fujiya W., Hoppe P., Ott U. and Meier M. M. M. (2013)

Lithium-boron and helium-neon analyses on asteroidal regolith returned by the Hayabusa mission.

Paneth Kolloquium, (Nördlingen, Germany, oral)

28) Fujiya W., Hoppe P., Ott U. and Meier M. M. M. (2013)

Lithium, boron and light noble gas analyses on the surface of the Itokawa asteroidal regolith returned by the Hayabusa mission.

Hayabusa 2013: Symposium of the Solar System Materials (Sagamihara, Japan, oral, **invited**)

29) Fujiya W., Hoppe P. and Ott U. (2013)

Boron isotopic ratio on the surface of the Itokawa asteroidal regolith returned by the Hayabusa mission.

75th Annual Meteoritical Society Meeting (Edmonton, Canada, oral)

30) Fujiya W., Hoppe P. and Ott U. (2013)

Search for the Solar Wind Boron on the Itokawa Asteroidal Regolith returned by the Hayabusa Spacecraft.

Dusty Visions 2013 (Stuttgart, Germany, oral)

31) Fujiya W., Hoppe P. and Zinner E. (2013)

A possible supernova origin of type AB presolar silicon carbide grains.

44th Lunar and Planetary Science Conference (Houston, USA, oral)

32) Fujiya W. and Hoppe P. (2012)

Possible supernova and nova origins for presolar silicon carbide grains of type AB.

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33) Fujiya W., Sugiura N. and Sano Y.(2011)

Alteration history in the CI chondrite parent body inferred from Mn-Cr dating of carbonates.

74th Annual Meteoritical Society Meeting (Greenwich, UK, oral)

34) Fujiya W., Hoppe P. and Ott U. (2011)

Hints for neutrino-process boron recorded in stardust from supernovae.

42nd Lunar and Planetary Science Conference (Houston, USA, poster)

35) Fujiya W., Sugiura N. and Sano Y. (2011)

Mn-Cr age of dolomite in the Ivuna CI chondrite.

42nd Lunar and Planetary Science Conference (Houston, USA, oral)

36) Fujiya W., Sugiura N., Ichimura K., Takahata N. and Sano Y. (2010)

Mn-Cr ages of carbonates in Murchison and ALH83100 CM chondrites.

41st Lunar and Planetary Science Conference (Houston, USA, oral)

37) Fujiya W., Sugiura N., Ichimura K., Takahata N. and Sano Y. (2009)

A synthetic calcite standard for determination of the relative Mn/Cr sensitivity factor.
AGU Fall Meeting (San Francisco, USA, oral)

38) Fujiya W., Ichimura K., Takahata N., Sugiura N. and Sano Y. (2009)
A Preliminary Study on $^{55}Mn/^{52}Cr$ Relative Sensitivity for a Synthetic Carbonate: Technical Details.
72nd Annual Meteoritical Society Meeting (Nancy, France, poster)

39) Fujiya W., Sugiura N., Hiyagon H., Takahata N. and Sano Y. (2009)
Ion Probe Analysis of ^{54}Cr Isotopic Compositions of an Organic Residue from Murchison CM2 Chondrite.
40th Lunar and Planetary Science Conference (Houston, USA, poster).

40) Fujiya W. and Sugiura N. (2008)
A Search for Presolar Chromium-Oxide (Cr_2O_3) Grains in Orgueil.
39th Lunar and Planetary Science Conference (Houston, USA, poster)