

Publications before 2018

Authors	Year	Title	Journal	Volume	Pages	Equipment
Kuritani, T., Yamaguchi, A., Fukumitsu, S., Nakagawa, M., Matsumoto, A., Yokoyama, T.	2018	Magma plumbing system at Izu-Oshima Volcano, Japan: constraints from petrological and geochemical analyses	Frontiers in Earth Science	6	178	XRF, ICP-MS, MC-ICP-MS, EPMA
中川 光弘・宮坂 瑞穂・三浦 大助・上澤 真平	2018	南西北海道、石狩低地帯におけるテフラ層序学：支笏－洞爺火山地域の噴火履歴	地質学雑誌	124	473-489	EPMA
Matsumoto, A., Hasegawa, T. and Nakagawa, M.	2018	Petrology of the 120 ka caldera-forming eruption of Kutcharo volcano, eastern Hollaido, Japan: Coexistence of multiple silicic magmas and their relationship with mafic magmas	Journal of Petrology	59	771-793	XRF, EPMA, ICP-MS, TIMS
中川光弘・宮坂瑞穂・富島千晴・松本亜希子・長谷龍一	2018	支笏湖南方地域の火口近傍体制物層序からみた46ka支笏カルデラ形成噴火推移	地学雑誌	127	247-271	XRF
宮坂瑞穂・中川光弘	2018	支笏火山60ka社台噴火の噴火推移	地学雑誌	127	229-246	XRF
Yanagida, Y., Nakamura, M., Yasuda, A., Kuritani, T., Nakagawa, M., and Yoshida, T.	2018	Differentiation of a hydrous arc magma recorded in melt inclusions in deep crustal cumulate xenoliths from Ichinomegata maar, NE Japan.	Geochemistry, Geophysics, Geosystems	19		MC-ICP-MS
Bergal-Kuvikas, O., Nakagawa, M., Kuritani, T., Muravyev, Y., Malik, N., Klimenko, E., Amma-Miyasaka, M., Matsumoto, A. and Shimada, S.	2017	A petrological and geochemical study on time-series samples from Klyuchevskoy volcano, Kamchatka arc.	Contributions to Mineralogy and Petrology	172	35	EPMA, XRF, ICP-MS, MC-ICP-MS, TIMS
Kuritani, T., Sakuyama, T., Kamada, N., Yokoyama, T. and Nakagawa, M.	2017	Fluid-fluxed melting of mantle versus decompression melting of hydrous mantle plume as the cause of intraplate magmatism over a stagnant slab: implications from Fukue Volcano Group, SW Japan.	Lithos	282-283	98-110	EPMA, XRF, ICP-MS, MC-ICP-MS
石毛康介・中川光弘	2017	北海道中央部、大雪火山群、旭岳サブグループの後期更新世～完新世火山活動史	地質学雑誌	123	73-91	XRF
増淵佳子・石崎泰男・白井智仁・松本亜希子・宮坂瑞穂・中川光弘	2016	岩石学的にみた沼沢火山におけるマグマ溜りの長期的進化とカルデラ形成噴火の準備過程	地質学雑誌	122	533-550	TIMS, MC-ICP-MS

Takeshi Kuritani, Mitsuhiro Nakagawa	2016	Origin of ultra rear-arc magmatism at Rishiri volcano, Kuril arc.	Geochemistry, Geophysics, Geosystems	17		XRF, ICP-MS, MC-ICP-MS, EPMA
松本亜希子・中川光弘・井口正人	2016	火山灰中の本質ガラスの石基組織からみる桜島火山2012年7月24日南岳山頂火口噴火ー特にマイクロライトの特徴についてー	火山	61	545-558	EPMA, FE-EPMA
Takeshi Kuritani, Mayumi Tanaka, Tetsuya Yokoyama, Mitsuhiro Nakagawa, Akiko Matsumoto	2016	Intensive hydration of the wedge mantle at the Kuril Arc-NE Japan Arc junction: Implications from mafic lavas from Usu volcano, northern Japan.	Journal of Petrology	57	1223-1240	MC-ICP-MS, EPMA, XRF
Shimpei Uesawa, Mitsuhiro Nakagawa, Akane Umetsu	2016	Explosive eruptive activity and temporal magmatic changes at Yotei Volcano during the last 50,000 years, southwest Hokkaido, Japan.	Journal of Volcanology and Geothermal Research	325	27-44	SEM-EDS, EPMA, XRF
Takeshi Hasegawa, Akiko Matsumoto, Mitsuhiro Nakagawa	2016	Evolution of the 120 ka caldera-forming eruption of Kutcharo volcano, eastern Hokkaido, Japan: Geologic and petrologic evidence for multiple vent systems and rapid generation of pyroclastic flow.	Journal of Volcanology and Geothermal Research	321	58-72	SEM-EDS, EPMA, XRF
Takeshi Hasegawa, Mitsuhiro Nakagawa	2016	Large scale explosive eruptions of Akan volcano, eastern Hokkaido, Japan: A geological and petrological case study for establishing tephrostratigraphy and -chronology around a caldera cluster	Quaternary International	397	39-51	SEM-EDS, XRF
Nadezhda G.Razzhigaeva, Akiko Matsumoto, Mitsuhiro Nakagawa	2016	Age, source and distribution of Holocene tephra in the southern Kurile Islands: Evaluation of Holocene eruptive activities in the southern Kurile arc.	Quaternary International	397	63-78	SEM-EDS
Yugo Nakamura	2016	Stratigraphy, distribution, and petrographic properties of Holocene tephtras in Hokkaido, northern Japan	Quaternary International	397	52-62	SEM-EDS

Ryo Takahashi, Mitsuhiro Nakagawa	2015	Evolution and eruption processes of a highly porphyritic silicic magma system: petlorogy of the historical eruptive stage of Hokkaido-Komagatake volcano, Japan	Journal of Petrology	56	1089-1112	XRF, EPMA
松本亜希子・宮坂瑞穂・中川光弘	2015	EPMAによる火山ガラス組成分析：Na損失の検証と分析条件の提案	北海道大学地球物理学研究報告	78	1月9日	EPMA
Keiji Wada, Masayuki Mukai, Kyohei Sano, Masami Izuho, Hiroyuki Sato	2014	Chemical composition of obsidians in Hokkaido Island, northern Japan: the importance of geological and petrological data for source studies	A. Ono., M.D., Glascock, Y.V. Kuzmin, Y. Suda (eds), Methodological Issues for Characterisation and Provenance Studies of Obsidian in Northeast Asia, BAR International Series 2620		67-84	XRF
Naomi Harada, Kota Katsuki, Mitsuhiro Nakagawa, Akiko Matsumoto, Osamu Seki, Jason A. Addison, Bruce P. Finney, Miyako Sato	2014	Holocene sea surface temperature and sea ice extent in the Okhotsk and Bering Seas	Progress in Oceanography	126	242-253	SEM-EDS
長谷川健・中川光弘	2014	岩石学的特徴を利用した対比・同定の有効性：北海道東部、阿寒・屈斜路火山における大規模火砕流堆積物の露頭情報	火山	59	269-274	XRF, SEM-EDS
Ryo Takahashi, Mitsuhiro Nakagawa	2013	Formation of a compositionally reverse zoned magma chamber: petrology of the AD 1640 and 1694 eruptions of Hokkaido-Komagatake volcano, Japan	Journal of Petrology	54	815-838	XRF, EPMA
Akiko Matsumoto, Mitsuhiro Nakagawa, Mizuho Amma-Miyasaka, Masato Iguchi	2013	Temporal variation of the petrological features of the juvenile materials durign 2006 to 2010 from Showa crater, Sakurajima volcano, Kyushu, Japan	Journal of Volcanological Society of Japan	58	191-212	XRF, EPMA
Chungwan Lim, Kazuhiro Toyoda, Ken Ikehara, David W. Peate	2013	Late Quaternary tephrostratigraphy of Baegdusan and Ulleung volcanoes using marine sediments in the Japan Sea/East Sea	Quaternary Research	80	76-87	SEM-EDS
小杉安由美・中川光弘・清野寛子	2013	西南北海道，更新世渡島小島火山の地質と岩石学的特徴	地質学雑誌	119	743-758	XRF, TIMS, ICP-MS

Takeshi Hasegawa, Mitsuhiro Nakagawa, Hiroshi Kishimoto	2012	The eruption hisotry and silicic magma systems of caldera-forming eruptions in eastern Hokkaido, Japan	Journal of Mineralogical and Petrological Sciences	107	39-43	XRF
Mitsuhiro Nakagawa, Hiraga Naoto, Ryuta Furukawa	2011	Formation of a zoned magma chamber and its temporal evolution during the historic eruptive activity of Tarumai volcano, Japan: Petrological implications for a long-term forecast of eruptive activity of an	Journal of Volcanology and Geothermal Research	205	1月16日	XRF, EPMA
Takeshi Hasegawa, Mitsuhiro Nakagawa, Mitsuhiro Yoshimoto, Yoshihiro Ishizuka, Wataru Hirose, Sho-ichi Seki, Vera Ponomareva, Rybin Alexander	2011	Tephrastratigraph and petrological study of Chikurachiki and Fuss volcanoes, western Paramushir Island, northern Kurile Islands: Evaluation of Holocene eruptive activity and temporal change of magma system	Quaternary International	246	278-297	XRF, SEM-EDS
上澤真平・中川光弘・江草匡倫	2011	南西北海道，羊蹄火山の完新世噴火史の再検討	火山	56	51-63	XRF, SEM-EDS
長谷川健・中川光弘・伊藤順一・山元孝広	2011	北海道東部，釧路地域に分布する第四系の年代：高分解能テフラ層序に基づく対比と編年	地質学雑誌	117	686-699	SEM-EDS
米島真由子・岡村聡・八束翔・前田卓哉・今山武志・前田仁一郎	2011	中央北海道南部の後期漸新世火山岩の岩石学的検討－背弧海盆拡大の初期火山活動－	岩石鉱物科学	40	153-173	TIMS
Akiko Matsumoto, Mitsuhiro Nakagawa	2010	Formation and evolution of silicic magma plumbing system: Petrology of the volcanic rocks of Usu volcano, Hokkaido, Japan	Journal of Volcanology and Geothermal Research	196	185-207	XRF, EPMA, TIMS
岡村聡・八幡正弘・西戸裕嗣・指宿敦志・横井悟・米島真由子・今山武志・前田仁一郎	2010	北海道中央部に分布する滝の上期火山岩類の放射年代と岩石学的特徴－勇払油田ガス田の浅層貯留層を構成する火山岩の岩石化学的検討－	地質学雑誌	116	181-198	TIMS
古堅千絵・中川光弘・廣瀬亘・足立佳子	2010	前期～中期中新世の北海道中央部における火山岩の地球化学的特徴：背弧拡大に伴う火成活動縁辺部のマグマの特徴	地質学雑誌	116	199-218	XRF, TIMS, ICP-MS