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Kvalifikationer

Geologi, PhD, Háskóli Íslands
1 dec. 2016 → 22 jan. 2021
Dimissionsdato: 22 jan. 2021

Geologi-geoscience, Master of Science
jul. 2013 → okt. 2015
Dimissionsdato: 15 okt. 2015

Geologi-geoscience, Bachelor of Science
sep. 2010 → jun. 2013
Dimissionsdato: 20 jun. 2013

Ansættelse

Postdoc
Geologi
Københavns Universitet
København K, Danmark
1 mar. 2022 → nu

NordVulk stipendiat

Nordic Volcanological Center, Institute of Earth Sciences, University of Iceland
Reykjavik, Island
1 dec. 2016 → 31 maj 2021

Geolog

Geological Survey of Denmark and Greenland
København K, Danmark
1 nov. 2015 → 30 nov. 2016

Studentemedarbejder

Geological Survey of Denmark and Greenland
København K, Danmark
1 okt. 2014 → 30 okt. 2015

Publikationer

Kristjánite, $\text{KNa}_2\text{H}(\text{SO}_4)_2$, a new fumarolic mineral from Iceland containing $[\text{SO}_4\text{-H-SO}_4]^{3-}$ anion in the crystal structure
Balic Zunic, Tonci, Nestola, F., Pamato, M. G. & Rasmussen, Maja Bar, 2024, (E-pub ahead of print) I: Mineralogical Magazine.

Deep magma mobilization years before the 2021 CE Fagradalsfjall eruption, Iceland

Kahl, M., Mutch, E. J. F., MacLennan, J., Morgan, D. J., Couperthwaite, F., Bali, E., Thordarson, T., Guðfinnsson, G. H., Walshaw, R., Buisman, I., Buhre, S., van der Meer, Q. H. A., Caracciolo, A., Marshall, E. W., Rasmussen, Maja Bar, Gallagher, C. R., Moreland, W. M., Höskuldsson & Askew, R. A., 2023, I: Geology. 51, 2, s. 184-188 5 s.

No V-Fe-Zn isotopic variation in basalts from the 2021 Fagradalsfjall eruption

Stow, M. A., Prytulak, J., Burton, K. W., Nowell, G. M., Marshall, E. W., Halldórsson, S. A., Matthews, S., Rasmussen, Maja Bar, Ranta, E. & Caracciolo, A., 2023, I: *Geochemical Perspectives Letters*. 27, s. 54-58 5 s.

Settling of buoyant microplastic in estuaries: The importance of flocculation

Laursen, Simon Nyboe, Fruergaard, Mikkel, Dodhia, M. S., Posth, Nicole Rita Elisabeth, Rasmussen, Maja Bar, Larsen, Marianne Nylandsted, Shilla, D., Shilla, D., Kilawe, J. J., Kizenga, H. J. & Andersen, Thorbjørn Joest, 2023, I: *Science of the Total Environment*. 886, 12 s., 163976.

Evidence from gas-rich ultramafic xenoliths for Superplume-derived recycled volatiles in the East African sub-continental mantle

Halldórsson, S. A., Hilton, D. R., Marshall, E. W., Ranta, E., Ingvason, A., Chakraborty, S., Robin, J. G., Rasmussen, Maja Bar, Gibson, S. A., Ono, S., Scarsi, P., Abebe, T., Hopp, J., Barry, P. H. & Castillo, P. R., 2022, I: *Chemical Geology*. 589, 19 s., 120682.

Helium and oxygen isotopic variations in the Iceland plume source controlled by entrainment of recycled oceanic lithosphere

Rasmussen, Maja Bar, Halldórsson, S. A., Jackson, M. G., Bindeman, I. N. & Whitehouse, M. J., 2022, I: *Earth and Planetary Science Letters*. 594, 11 s., 117691.

Rapid shifting of a deep magmatic source at Fagradalsfjall volcano, Iceland

Halldórsson, S. A., Marshall, E. W., Caracciolo, A., Matthews, S., Bali, E., Rasmussen, M. B., Ranta, E., Robin, J. G., Guðfinnsson, G. H., Sigmarsson, O., MacLennan, J., Jackson, M. G., Whitehouse, M. J., Jeon, H., van der Meer, Q. H. A., Mibe, G. K., Kalliokoski, M. H., Repczynska, M. M., Rúnarsdóttir, R. H., Sigurðsson, G. & 10 flere, Pfeffer, M. A., Scott, S. W., Kjartansdóttir, R., Kleine, B., Oppenheimer, C., Aiuppa, A., Ilyinskaya, E., Bitetto, M., Giudice, G. & Stefansson, A., 2022, I: *Nature*. 609, s. 529–534 23 s.

Magmatic olivine as a tool to investigate geochemical mantle heterogeneities beneath Iceland

Rasmussen, Maja Bar, 2021, Reykjavik: University of Iceland. 129 s.

Warm and Slightly Reduced Mantle Under the Off-Rift Snæfellsnes Volcanic Zone, Iceland

van der Meer, Q. H. A., Bali, E., Guðfinnsson, G. H., Kahl, M. & Rasmussen, Maja Bar, 2021, I: *Journal of Petrology*. 62, 12, 25 s., egab057.

Olivine chemistry reveals compositional source heterogeneities within a tilted mantle plume beneath Iceland

Rasmussen, Maja Bar, Halldórsson, S., Gibson, S. & Guðfinnsson, G., 1 feb. 2020, I: *Earth and Planetary Science Letters*.

Carbonation of Stapafell Basalt: An Experimental Study of the Mineral Dissolution and Precipitation Processes at Conditions Similar to that of the CarbFix Injection Site at Hellisheiði, Iceland

Rasmussen, Maja Bar, 2015, University of Copenhagen. 89 s.

Aktiviteter

Præsentation ved Dansk Geologisk Forening "The above and belows of Icelandic geology"

Rasmussen, Maja Bar (Andet)
7 dec. 2021 → 15 dec. 2021

Præsentation og paneldebatedeltager ved åbningen af kunstudstilling af Veronika Geiger "Between Earth and Art" arranged by Galleri Image

Rasmussen, Maja Bar (Andet)
29 jan. 2021

Presse/medie

Carbon storage: 5 most suitable places to hide CO2 away

Maja Bar Rasmussen
20/09/2022
1 Mediebidrag

Eyjafjallajökull se tokrat najverjetneje ne bo ponovil
Maja Bar Rasmussen
08/04/2021
1 Mediebidrag

Mysteries lurk below Iceland's restless volcanoes
Maja Bar Rasmussen
15/08/2022
1 Mediebidrag

The Message In The Magma: The Geldingadalir Eruption Site Is Growing—What Have We Learned?
Maja Bar Rasmussen
04/06/2022
1 Mediebidrag

“Go’ morgen Danmark” deltagelse
Maja Bar Rasmussen
01/12/2022
1 Mediebidrag