

Kristoffer Szilas
Assistant professor
Geology
Postal address:
Øster Voldgade 10, 1350 København K
Email: krsz@ign.ku.dk
Web: <http://www.kristofferszilas.com>



Employment

Postdoc

Geological Survey of Denmark and Greenland
København K, Denmark
1 Jan 2017 → 1 Dec 2017

Postdoc

Stanford University
Stanford, United States
1 Sep 2014 → 1 Dec 2016

Postdoc

Columbia University
New York City, United States
1 Sep 2012 → 1 Aug 2014

Research output

An Iapetus origin for a layered eclogite complex in the northern Western Gneiss Region, Scandinavian Caledonides

Möller, C., Cai, Y., Brueckner, H. K., Szilas, Kristoffer & Whitehouse, M. J., 2024, In: *Journal of Metamorphic Geology*. 42, 3, p. 319-354

An isolated mildly depleted mantle source for the north Atlantic craton

Petersson, Mikael Andreas, Waight, Tod, Whitehouse, M., Kemp, A. & Szilas, Kristoffer, 2024, In: *Precambrian Research*. 407, 21 p., 107399.

Chondritic osmium isotope composition of early Earth mantle

Waterton, Pedro, Serre, S. H., Pearson, G., Woodland, S., DuFrane, S. A., Morishita, T. & Szilas, Kristoffer, 2024, In: *Geochemical Perspectives Letters*. 31, p. 1-6 6 p.

Eoarchean ultramafic rocks represent crustal cumulates: A case study of the Narssaq ultramafic body, southern West Greenland

Zhang, Lingyu & Szilas, Kristoffer, 2024, In: *Earth and Planetary Science Letters*. 625, 13 p., 118508.

Evaluating the multiple sulfur isotope signature of Eoarchean rocks from the Isua Supracrustal Belt (Southwest-Greenland) by MC-ICP-MS: Volcanic nutrient sources for early life

Macdonald, J. E., Sugden, P., Dumont, M., Szilas, Kristoffer, Glorie, S., Simpson, A., Gilbert, S., Burke, A. & Stüeken, E. E., 2024, In: *Geobiology*. 22, 2, 22 p., e12595.

Identification of Earth's late accretion by large impactors through mass independent Cr isotopes

Kadlag, Y., Anand, A., Fischer-Gödde, M., Mezger, K., Szilas, Kristoffer, Goderis, S. & Leya, I., 2024, In: *Icarus*. 418, 9 p., 116143.

Laser ablation (in situ) Lu-Hf geochronology of epidote group minerals

Yu, J., Glorie, S., Hand, M., Simpson, A., Gilbert, S., Szilas, Kristoffer, Roberts, N., Pawley, M. & Cheng, Y., 2024, In: *Contributions to Mineralogy and Petrology*. 179, 26 p., 62.

Petrogenesis of Ni-sulfide mineralisation in the ca. 3.0 Ga Maniitsoq intrusive belt, western Greenland

Maier, W. D., Muir, D. D., Barnes, S. - J. & Szilas, Kristoffer, 2024, (E-pub ahead of print) In: Mineralium Deposita.

Probing the $^{186}\text{Os}/^{188}\text{Os}$ Precision Barrier: New Recommended Values for the DROsS Reference Material and an Assessment of Mixed 10^{11} and 10^{12} Ω Amplifier Arrays

Waterton, Pedro, Woodland, S., Pearson, G., Serre, S. H. & Szilas, Kristoffer, 2024, In: Geostandards and Geoanalytical Research. 48, 1, p. 109-132 24 p.

Selective metasomatism of ultramafic cumulates within Archean supracrustal sequences

Zhang, Lingyu, Basak, Sampriti, Zakharov, D. & Szilas, Kristoffer, 2024, In: Geoscience Frontiers. 15, 5, 17 p., 101851.

A record of Neoarchean cratonisation from the Storø Supracrustal Belt, West Greenland

Gardiner, N. J., Mulder, J. A., Szilas, Kristoffer, Nebel, O., Whitehouse, M., Jeon, H. & Cawood, P. A., 2023, In: Earth and Planetary Science Letters. 602, 10 p., 117922.

Evaluating the biosignature potential of nitrogen concentrations in graphite and associated K-silicates

Stüeken, E. E., Szilas, Kristoffer & van Hinsberg, V. J., 2023, In: Chemical Geology. 617, 13 p., 121274.

Formation of ultra-depleted mantle peridotites and their relationship with boninitic melts: An example from the Kamuikotan Unit, Hokkaido, Japan

Nishio, I., Morishita, T., Tamura, A., Itano, K., Takamizawa, S., Ichiyama, Y., Arai, S., Barrett, Natasha & Szilas, Kristoffer, 2023, In: Journal of Geophysical Research: Solid Earth. 128, 2, 18 p., e2022JB025066.

Geochemical and thermodynamic constraints on Archean comagmatic volcanic and cumulate rocks from southern West Greenland

Zhang, Lingyu, Hyde, William Robert, Kirkland, C. L., Han, Y. & Szilas, Kristoffer, 2023, In: Geochimica et Cosmochimica Acta. 348, p. 122-139

Mesoarchean peridotite-norite cumulates of SW Greenland – The Miaggoq ultramafic complex

Zemeny, A., Kinney, C., Yakymchuk, C., Olierook, H. K. H., Kirkland, C. L., Gardiner, N. & Szilas, Kristoffer, 2023, In: Lithos. 458-459, 19 p., 107352.

Neoarchean synkinematic metamorphic peak in the Isua supracrustal belt (West Greenland)

Eskenen, Benjamin Chaim Fievé, Fassmer, K., Münker, C., Ulrich, T., Szilas, Kristoffer, Wagner, S., Hoffmann, J. E. & Nagel, T. J., 2023, In: Geology. 51, 11, p. 1017-1021

Ni isotopes provide a glimpse of Earth's pre-late-veener mantle

Xu, Y., Szilas, Kristoffer, Zhang, Lingyu, Zhu, J. M., Wu, G., Zhang, J., Qin, B., Sun, Y., Pearson, D. G. & Liu, J., 2023, In: Science Advances. 9, 50, 13 p., eadj2170.

Pressure-Temperature history of the 1.9 Ga Nagssugtoqidian Orogeny in the Tasiilaq Region, South-East Greenland: Amphibolite facies metamorphism of a Palaeoproterozoic accretionary prism

Crotty, C., van Hinsberg, V. & Szilas, Kristoffer, 2023, In: Lithos. 438-439, 18 p., 106993.

Zircon within chromitite requires revision of the tectonic history of the Eoarchean Itsaq Gneiss complex, Greenland

Sawada, H., Morishita, T., Vezinet, A., Stern, R., Tani, K., Nishio, I., Takahashi, K., Graham Pearson, D. & Szilas, Kristoffer, 2023, In: Geoscience Frontiers. 14, 6, 13 p., 101648.

No mantle residues in the Isua Supracrustal Belt

Waterton, Pedro, Guotana, J. M., Nishio, I., Morishita, T., Tani, K., Woodland, S., Legros, H., Pearson, D. G. & Szilas, Kristoffer, 1 Feb 2022, In: Earth and Planetary Science Letters. 579, 11 p., 117348.

Compositional Data Analysis (CoDA) of Clinopyroxene from Abyssal Peridotites

Nishio, I., Itano, K., Waterton, Pedro, Tamura, A., Szilas, Kristoffer & Morishita, T., 2022, In: *Geochemistry, Geophysics, Geosystems*. 23, 8, 19 p., e2022GC010472.

Metasomatic Modification of the Mesoarchean Ulamertoq Ultramafic Body, Southern West Greenland

Nishio, I., Morishita, T., Itano, K., Guotana, J. M., Tamura, A., Szilas, Kristoffer, Harigane, Y., Tani, K. & Graham Pearson, D., 2022, In: *Journal of Petrology*. 63, 3, 24 p., egac004.

Palaeoproterozoic arc related supracrustal units from the Tasiliaq Region, SE Greenland: Insights into the convergence of the Rae and North Atlantic Cratons

Crotty, C., van Hinsberg, V., Szilas, Kristoffer & Poulsen, Majken Djurhuus, 2022, In: *Precambrian Research*. 379, 22 p., 106808.

Temporal evolution of ¹⁴²Nd signatures in SW Greenland from high precision MC-ICP-MS measurements

Hasenstab-Dübeler, E., Tusch, J., Hoffmann, J. E., Fischer-Gödde, M., Szilas, Kristoffer & Münker, C., 2022, In: *Chemical Geology*. 614, 20 p., 121141.

Corundum (ruby) growth during the final assembly of the Archean North Atlantic Craton, southern West Greenland

Yakymchuk, C., van Hinsberg, V., Kirkland, C. L., Szilas, Kristoffer, Kinney, C., Kendrick, J. & Hollis, J. A., Nov 2021, In: *Ore Geology Reviews*. 138, 18 p., 104417.

Deep continental roots and cratons

Pearson, D. G., Scott, J. M., Liu, J., Schaeffer, A., Wang, L. H., Hunen, J. V., Szilas, Kristoffer, Chacko, T. & Kelemen, P. B., 12 Aug 2021, In: *Nature*. 596, p. 199-210 13 p.

Regional zircon U-Pb geochronology for the Maniitsoq region, southwest Greenland

Olierook, H. K. H., Kirkland, C. L., Hollis, J. A., Gardiner, N. J., Yakymchuk, C., Szilas, Kristoffer, Hartnady, M. I. H., Barham, M., McDonald, B. J., Evans, N. J., Steenfelt, A. & Waterton, Pedro, 25 May 2021, In: *Scientific Data*. 8, 1, 9 p.

Extent and age of Mesoarchean components in the Nagsugtoqidian orogen, West Greenland: Implications for tectonic environments and crust building in cratonic orogenic belts

McIntyre, T., Waterton, Pedro, Vezinet, A., Szilas, Kristoffer & Pearson, D. G., 8 May 2021, In: *Lithos*. 396-397, p. 1 - 15 15 p., 106182.

Origin of high-Cr stratiform chromitite in the Fangmayu Alaskan-type ultramafic intrusion, North China Craton

Han, Y., Waterton, Pedro, Szilas, Kristoffer, Santosh, M. & Kirkland, C. L., Apr 2021, In: *Precambrian Research*. 355, 106096.

Stirred not shaken; critical evaluation of a proposed Archean meteorite impact in West Greenland

Yakymchuk, C., Kirkland, C. L., Cavosie, A. J., Szilas, Kristoffer, Hollis, J., Gardiner, N. J., Waterton, Pedro, Steenfelt, A. & Martin, L., Mar 2021, In: *Earth and Planetary Science Letters*. 557, 9 p., 116730.

Editorial: The Early Earth Crust and Its Formation

Guitreau, M., Szilas, Kristoffer & van Hinsberg, V., 23 Feb 2021, In: *Frontiers in Earth Science*. 9, 2 p., 650114.

Theoretical versus empirical secular change in zircon composition

Kirkland, C. L., Yakymchuk, C., Olierook, H. K. H., Hartnady, M. I. H., Gardiner, N. J., Moyen, J. F., Hugh Smithies, R., Szilas, Kristoffer & Johnson, T. E., Jan 2021, In: *Earth and Planetary Science Letters*. 544, 12 p., 116660.

Deserpentinization and high-pressure (eclogite-facies) metamorphic features in the Eoarchean ultramafic body from Isua, Greenland

Guotana, J. M., Morishita, T., Nishio, I., Tamura, A., Mizukami, T., Tani, K., Harigane, Y., Szilas, Kristoffer & Pearson, D. G., 2021, In: *Geoscience Frontiers*. 13, 1, 13 p., 101298.

Reconstructing nitrogen sources to Earth's earliest biosphere at 3.7 Ga

Stüeken, E., Boocock, T., Szilas, Kristoffer, Mikhail, S. & Gardiner, N. J., 2021, In: *Frontiers in Earth Science*. 9, 14 p., 675726.

The Mesoarchaean Akia terrane, West Greenland, revisited: New insights based on spatial integration of geophysics, field observation, geochemistry and geochronology

Steenfelt, A., Hollis, J., Kirkland, C. L., Sandrin, A., Gardiner, N. J., Olierook, H. K. H., Szilas, Kristoffer, Waterton, Pedro & Yakymchuk, C., 2021, In: *Precambrian Research*. 352, p. 1 - 29 29 p., 105958.

The Mesoarchean Amikoq Layered Complex of SW Greenland: Part 2. Geochemical evidence for high-Mg noritic plutonism through crustal assimilation

Aarestrup, E., McDonald, I., Armitage, P. E. B., Nutman, A. P., Christiansen, O. & Szilas, Kristoffer, 2021, In: *Mineralogical Magazine*. 85, 5, p. 673-697 25 p.

The corundum conundrum: Constraining the compositions of fluids involved in ruby formation in metamorphic melanges of ultramafic and aluminous rocks

van Hinsberg, V., Yakymchuk, C., Jepsen, A. T. K., Kirkland, C. L. & Szilas, Kristoffer, 2021, In: *Chemical Geology*. 571, 1 p., 120180.

Tight bounds on missing late veneer in early Archean peridotite from triple oxygen isotopes

Peters, S. T. M., Fischer, M. B., Pack, A., Szilas, Kristoffer, Appel, P. W. U., Münker, C., Dallai, L. & Marien, C. S., 2021, In: *Geochemical Perspectives Letters*. 18, p. 27-31 5 p.

Chromitites from an Archean layered intrusion in the Western Dharwar Craton, southern India

Santosh, M., He, X., Waterton, Pedro, Szilas, Kristoffer & Pearson, D. G., 1 Dec 2020, In: *Lithos*. 376-377, 15 p., 105772.

Geodynamic implications of synchronous norite and TTG formation in the 3 Ga Maniitsoq Norite Belt, West Greenland

Waterton, Pedro, Hyde, William Robert, Tusch, J., Hollis, J. A., Kirkland, C. L., Kinney, C., Yakymchuk, C., Gardiner, N. J., Zakharov, D., Olierook, H. K., Lightfoot, P. C. & Szilas, Kristoffer, 22 Sep 2020, In: *Frontiers in Earth Science*. 8, 30 p., 562062.

The Mesoarchean Amikoq Layered Complex of SW Greenland: Part 1. Constraints on the PT evolution from igneous, metasomatic and metamorphic amphiboles

Aarestrup, E., Jørgensen, T. R., Armitage, P. E., Nutman, A. P., Christiansen, O. & Szilas, Kristoffer, Sep 2020, In: *Mineralogical Magazine*. 84, 5, p. 662 - 690 29 p.

Differentiating between inherited and autocrystic zircon in granitoids

Olierook, H. K. H., Kirkland, C. L., Szilas, Kristoffer, Hollis, J. A., Gardiner, N. J., Steenfelt, A., Jiang, Q., Yakymchuk, C., Evans, N. J. & McDonald, B. J., Aug 2020, In: *Journal of Petrology*. 61, 8, 26 p.

>2.7 Ga metamorphic peridotites from southeast Greenland record the oxygen isotope composition of Archean seawater

Peters, S. T. M., Szilas, Kristoffer, Sengupta, S., Kirkland, C. L., Garbe-Schönberg, D. & Pack, A., 2020, In: *Earth and Planetary Science Letters*. 544, 116331.

Mesoarchean partial melting of mafic crust and tonalite production during high-T–low-P stagnant tectonism, Akia Terrane, West Greenland

Yakymchuk, C., Kirkland, C., Hollis, J., Kendrick, J., Gardiner, N. & Szilas, Kristoffer, 2020, In: *Precambrian Research*. 105615.

Metasomatic Reactions between Archean Dunite and Trondhjemite at the Seqi Olivine Mine in Greenland

Whyatt, L., Peters, S., Pack, A., Kirkland, C. L., Balic Zunic, Tonci & Szilas, Kristoffer, 2020, In: *Minerals*. 10, 1, 20 p., 85.

North Atlantic Craton Architecture revealed by kimberlite-hosted crustal zircons

Gardiner, N. J., Kirkland, C. L., Hollis, J. A., Cawood, P. A., Nebel, O., Szilas, Kristoffer & Yakymchuk, C., 2020, In: *Earth and Planetary Science Letters*. 534, 8 p., 116091.

Ruthenium isotope vestige of Earth's pre-late-veener mantle preserved in Archaean rocks

Fischer-Gödde, M., Elfers, B., Münker, C., Szilas, Kristoffer, Maier, W. D., Messling, N., Morishita, T., Van Kranendonk, M. & Smithies, H., 2020, In: Nature. 579, 7798, p. 240-244 5 p.

Titanite petrochronology linked to phase equilibrium modelling constrains tectono-thermal events in the Akia Terrane, West Greenland

Kirkland, C., Yakymchuk, C., Gardiner, N., Szilas, Kristoffer, Hollis, J., Olierook, H. & Steenfelt, A., 2020, In: Chemical Geology. 15 p., 119467.

Two metamorphic gold mineralization events confirmed by Lu-Hf isotope dating of garnet in the Late Archean Storø Au deposit, Nuuk region of SW Greenland

Szilas, Kristoffer, Tusch, J., Herwartz, D. & Fonseca, R. O., 2020, In: Ore Geology Reviews. 121, 11 p., 103476.

Building Mesoarchaeoan crust upon Eoarchaeoan roots: the Akia Terrane, West Greenland

Gardiner, N. J., Kirkland, C. L., Hollis, J., Szilas, Kristoffer, Steenfelt, A., Yakymchuk, C. & Heide-Jørgensen, H., 2019, In: Contributions to Mineralogy and Petrology. 174, 3, 19 p., 20.

Implications for the origins of Eoarchean ultramafic rocks of the North Atlantic Craton: a study of the Tussaap Ultramafic complex, Itsaq Gneiss complex, southern West Greenland

McIntyre, T., Pearson, D. G., Szilas, Kristoffer & Morishita, T., 2019, In: Contributions to Mineralogy and Petrology. 174, 12, 21 p., 96.

Modelling the Hafnium -Neodymium Evolution of Early Earth: A Study from West Greenland

Gardiner, N. J., Johnson, T. E., Kirkland, C. L. & Szilas, Kristoffer, 2019, In: Journal of Petrology. 60, 1, p. 177-197 21 p.

Titanian Clinohumite-Bearing Peridotite from the Ulamertoq Ultramafic Body in the 3.0 Ga Akia Terrane of Southern West Greenland

Nishio, I., Morishita, T., Szilas, Kristoffer, Pearson, G., Tani, K., Tamura, A., Harigane, Y. & Guotana, J. M., 2019, In: Geosciences (Switzerland). 9, 4, 21 p., 153.

Pressure–Temperature History of the > 3 Ga Tartoq Greenstone Belt in Southwest Greenland and Its Implications for Archaean Tectonics

van Hinsberg, V., Crotty, C., Roozen, S., Szilas, Kristoffer & Kisters, A., Sep 2018, In: Geosciences. 8, 10, 21 p., 367.

A geochemical overview of mid-Archaean metavolcanic rocks from southwest Greenland

Szilas, Kristoffer, 2018, In: Geosciences (Switzerland). 8, 7, 20 p., 0266.

Apatite: a U-Pb thermochronometer or geochronometer?

Kirkland, C. L., Yakymchuk, C., Szilas, Kristoffer, Evans, N., Hollis, J., McDonald, B. & Gardiner, N. J., 2018, In: Lithos. 318-319, p. 143-157 15 p.

Contrasting Textural and Chemical Signatures of Chromitites in the Mesoarchaeoan Ulamertoq Peridotite Body, Southern West Greenland

Guotana, J., Morishita, T., Yamaguchi, R., Nishio, I., Tamura, A., Tani, K., Harigane, Y., Szilas, Kristoffer & Pearson, D., 2018, In: Geosciences (Switzerland). 8, 9, 19 p., 328.

Corundum formation by metasomatic reactions in Archean metapelite, SW Greenland: Exploration vectors for ruby deposits within high-grade greenstone belts

Yakymchuk, C. & Szilas, Kristoffer, 2018, In: Geoscience Frontiers. 9, 3, p. 727-749 23 p.

Highly refractory Archaean peridotite cumulates: Petrology and geochemistry of the Seqi Ultramafic Complex, SW Greenland

Szilas, Kristoffer, van Hinsberg, V. J., McDonald, I., Næraa, T., Rollinson, H., Adetunji, J. & Bird, D., 2018, (Accepted/In press) In: Geoscience Frontiers. 27 p.

Archean chromitites show constant Fe³⁺/ΣFe in Earth's asthenospheric mantle since 3.8 Ga

Rollinson, H., Adetunji, J., Lenaz, D. & Szilas, Kristoffer, 2017, In: *Lithos*. 282-283, p. 316-325 10 p.

Hafnium isotope constraints on the origin of Mesoarchean andesites in southern West Greenland, North Atlantic craton

Szilas, Kristoffer, Tusch, J., Hoffmann, J. E., Garde, A. A. & Münker, C., 2017, *Crust-Mantle Interactions and Granitoid Diversification: Insights from Archean Cratons*. Halla, J., Whitehouse, M. J., Ahmad, T. & Bagai, Z. (eds.). London: Geological Society of London, p. 19-38 20 p. (The Geological Society, London, Special Publications, Vol. 449).

Tholeiitic to calc-alkaline metavolcanic transition in the Archean Nigilikasik Supracrustal Belt, SW Greenland

Klausen, M. B., Szilas, Kristoffer, Kokfelt, T., Keulen, N., Schumacher, J. & Berger, A., 2017, In: *Precambrian Research*. 302, p. 50-73 24 p.

Aluminous gneiss derived by weathering of basaltic source rocks in the Neoarchean Storø Supracrustal Belt, southern West Greenland

Szilas, Kristoffer, Maher, K. & Bird, D. K., 2016, In: *Chemical Geology*. 441, p. 63-80 18 p.

Combined bulk-rock Hf- and Nd-isotope compositions of Mesoarchean metavolcanic rocks from the Ivisaartoq Supracrustal Belt, SW Greenland: Deviations from the mantle array caused by crustal recycling

Szilas, Kristoffer, Hoffmann, J. E., Schulz, T., Hansmeier, C., Polat, A., Viehmann, S., Kasper, H. U. & Münker, C., 2016, In: *Chemie der Erde*. 76, 4, p. 543-554 12 p.

Peridotite enclaves hosted by Mesoarchean TTG-suite orthogneisses in the Fiskefjord region of southern West Greenland

Szilas, Kristoffer, Kelemen, P. B. & Bernstein, S., 2015, In: *GeoResJ*. 7, p. 22-34 13 p., 7.

Sm-Nd and Lu-Hf isotope and trace-element systematics of Mesoarchean amphibolites, inner Ameralik fjord, southern West Greenland

Szilas, Kristoffer, Hoffmann, J. E., Hansmeier, C., Hollis, J. A., Münker, C., Viehmann, S. & Kasper, H. U., 2015, In: *Mineralogical Magazine*. 79, 4, p. 857-876 20 p.

The petrogenesis of ultramafic rocks in the >3.7 Ga Isua supracrustal belt, southern West Greenland: geochemical evidence for two distinct magmatic cumulate trends

Szilas, Kristoffer, Kelemen, P. B. & Rosing, Minik Thorleif, 2015, In: *Gondwana Research*. 28, 2, p. 565-580 16 p.

Eoarchean within-plate basalts from southwest Greenland: COMMENT

Szilas, Kristoffer, Hoffmann, J. E., Münker, C., Dziggel, A. & Rosing, Minik Thorleif, 2014, In: *Geology*. 42, 3, p. 330 1 p.

Meso- and Neoarchean geological history of the Bjørnesund and Ravns Storø Supracrustal Belts, southern West Greenland: settings for gold enrichment and corundum formation

Keulen, N., C. Schumacher, J., Næraa, T., Kokfelt, T. F., Scherstén, A., Szilas, Kristoffer, van Hinsberg, V. J., Schlatter, D. M. & Windley, B. F., 2014, In: *Precambrian Research*. 245, p. 36-58 23 p.

The Neoarchean Storø Supracrustal Belt, Nuuk region, southern West Greenland: An arc-related basin with continent-derived sedimentation

Szilas, Kristoffer, van Gool, J. A. M., Scherstén, A. & Frei, Robert, 2014, In: *Precambrian Research*. 247, p. 208-222 15 p.

The geochemical composition of serpentinites in the Mesoarchean Tartoq Group, SW Greenland: harzburgitic cumulates or melt-modified mantle?

Szilas, Kristoffer, van Hinsberg, V. J., Creaser, R. A. & Kisters, A. F. M., 2014, In: *Lithos*. 198-199, p. 103-116 14 p.

Mesoarchean aluminous rocks at Storø, southern West Greenland: New age data and evidence of premetamorphic seafloor weathering of basalts

Szilas, Kristoffer & Garde, A. A., 16 Sep 2013, In: *Chemical Geology*. 354, p. 124-138 15 p.

Highly depleted cratonic mantle in West Greenland extending into diamond stability field in the Proterozoic

Bernstein, S., Szilas, Kristoffer & Kelemen, P. B., May 2013, In: *Lithos*. 168-169, p. 160-172 13 p.

Remnants of arc-related Mesoarchaeoan oceanic crust in the Tartoq Group of SW Greenland

Szilás, Kristoffer, van Hinsberg, V. J., Kisters, A. F. M., Hoffmann, J. E., Windley, B. F., Kokfelt, T. F., Scherstén, A., Frei, Robert, Rosing, Minik Thorleif & Münker, C., Mar 2013, In: *Gondwana Research*. 23, 2, p. 436-451 16 p.

Archean andesite petrogenesis: insights from the Grædefjord Supracrustal Belt, southern West Greenland

Szilás, Kristoffer, Hoffmann, J. E., Scherstén, A., Kokfelt, T. F. & Münker, C., 2013, In: *Precambrian Research*. 236, p. 1-15 15 p.

Geology of an Archean accretionary complex – The structural record of burial and return flow in the Tartoq Group of South West Greenland

Kisters, A. F. M., van Hinsberg, V. J. & Szilas, Kristoffer, Nov 2012, In: *Precambrian Research*. 220-221, p. 107-122 16 p.

Complex calc-alkaline volcanism recorded in Mesoarchaeoan supracrustal belts north of Frederikshåb Isblink, southern West Greenland: implications for subduction zone processes in the early earth

Szilás, Kristoffer, Hoffmann, J. E., Scherstén, A., Rosing, Minik Thorleif, Windley, B. F., Kokfelt, T. F., Keulen, N., van Hinsberg, V. J., Næraa, T., Frei, Robert & Münker, C., 2012, In: *Precambrian Research*. 208-211, p. 90-123 34 p.

Geochemistry of Archean supracrustal belts in SW Greenland

Szilás, Kristoffer, 2012, Department of Geography and Geology, University of Copenhagen. 240 p.

Origin of Mesoarchaeoan arc-related rocks with boninite/komatiite affinities from southern West Greenland

Szilás, Kristoffer, Næraa, T., Scherstén, A., Stendal, H., Frei, Robert, van Hinsberg, V. J., Kokfelt, T. F. & Rosing, Minik Thorleif, 2012, In: *Lithos*. 144-145, p. 24-39 16 p.

Re–Os and U–Pb constraints on gold mineralisation events in the Meso-to Neoarchaeoan Storø greenstone belt, Storø, southern West Greenland

Scherstén, A., Szilas, Kristoffer, Creaser, R. A., Næraa, T., van Gool, J. A. M. & Østergaard, C., 2012, In: *Precambrian Research*. 200, p. 149-162

Remnants of Mesoarchaeoan oceanic crust in the Tartoq Group, South-West Greenland

Szilás, Kristoffer, van Hinsberg, V. J., Kisters, A. F. M., Kokfelt, T. F., Scherstén, A. & Windley, B. F., 26 Jul 2011, In: *Geological Survey of Denmark and Greenland (GEUS) Bulletin*. 23, p. 57-60 4 p.

Gold-hosting supracrustal rocks on Storø, southern West Greenland: Lithologies and geological environment

Knudsen, Christian Boldsen, van Gool, J. A. M., Østergaard, C., Hollis, J. A., Rink-Jørgensen, M., Persson, M. & Szilas, Kristoffer, 1 Dec 2007, *Review of Survey Activities 2006*. 13 ed. p. 41-44 4 p. (Geological Survey of Denmark and Greenland Bulletin; No. 13).