

**Prof. Dr. Jochen Kolb**  
**Karlsruhe Institute of Technology (KIT)**  
**Institute of Applied Geosciences**  
**Chair of Geochemistry & Economic Geology**  
**Adenauerring 20b**  
**76131 Karlsruhe**  
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#### QUALIFICATIONS

*Institute of Mineralogy and Economic Geology, RWTH Aachen University, Germany*  
**Postdoctoral Lecture Qualification in Mineralogy (Habilitation)** **1999 - 2005**  
 Thesis: Fluid Plumbing Systems in Orogenic Gold Deposits, with implications for other hydrothermal systems in metamorphic terranes.  
**PhD student (Dr. rer. nat.)** **1996 - 1999**  
 Thesis: Tectonic, petrographic and geochemical investigations on auriferous shear zones of the Renco Gold Mine in Southern Zimbabwe.

*Johann Wolfgang Goethe-University, Frankfurt am Main, Germany*  
**M.Sc. in Geology and Palaeontology (Diplom)** **1996**  
**B.Sc. in Geology and Palaeontology (Vordiplom)** **1992**

*Gymnasium (High School), Schloss Wolfenbüttel, Germany*  
**Graduated and Qualified for University Entry (Abitur)** **1988**

#### AWARDS

Hermann-Credner Award from the German Geoscience Association (DGGV) **September, 2005**  
 Heitfeld Travel Grant 2001 from the Prof. Dr. Karl-Heinrich Heitfeld Foundation, Aachen, Germany **December, 2001**  
 Heitfeld Award 2000 from the Prof. Dr. Karl-Heinrich Heitfeld Foundation **December, 2000**  
 Borchers Award from the RWTH Aachen University, Germany **June, 2000**  
 Award from the Stifterverband Metalle 1999 (German Association of Metallurgy and Mining, GDMB) **June, 2000**

#### CAREER

*Karlsruhe Institute of Technology (KIT); Institute for Applied Geosciences*  
**Professor for Geochemistry and Economic Geology** **since 2016**

- Design, proposal, and supervising of applied science projects as project leader.
- Teaching geochemistry and economic geology courses.
- Head of the Laboratory for Environmental and Raw Materials Analysis.
- Organization of international workshops and conferences.
- Networking with industry and governmental organizations.
- Report to collaborators in research and industry, including publication in scientific journals and meeting.
- Instruction of undergraduate, graduate, and PhD students.

*Geological Survey of Denmark and Greenland (GEUS)*  
**Research Professor** **2011 - 2016**

- Organization of field trips to Greenland.

*Department of Geosciences and Natural Resource Management, Copenhagen University*  
**Adjunct Professor** **2014 - 2016**

*Geological Survey of Denmark and Greenland (GEUS)*  
**Senior Research Scientist** **2007 - 2011**

*Institute of Mineralogy and Economic Geology, RWTH Aachen University, Germany*  
**Senior Research Fellow and Lecturer (Assistant Professor)** **2000 - 2007**

*Deilmann Erdöl Erdgas GmbH – Oil and Gas Exploration*  
**Trainee** **1993**

*German Red Cross, Wolfenbüttel, Germany*

**Civil Service**

**1988 - 1990**

*Schacht Konrad Mine, Salzgitter, Germany*

**Trainee** – Underground workings of the mine, formerly an iron ore mine and test site for final disposal of atomic waste.

**1988**

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RESEARCH EXPERIENCE AND INTERESTS

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My research interests are broadly based and follow an integral approach to describe crustal fluid systems and hydrothermal ore deposits. My main interest is to study the interface between orogenic processes including metamorphism, magmatism, fluid migration and metasomatism in combining structural geology, petrology and geochemistry studies in order to describe different mineral systems. Current fields of research are:

- Metal extraction from geothermal fluids in the Upper Rhine Graben, a new mineral source?
- Source area processes in the Central Lapland Greenstone Belt and the Svecofennian, Finland.
- Hydrothermal processes in carbonatite systems and related rare metals mineralization.
- Economic geology potential of central West Greenland: hydrothermal base metal sulfide mineralization.
- Economic geology potential of South Greenland, with particular emphasis on orogenic gold mineralization.
- Metallogeny of Greenland.
- Orogenic gold mineralization at high temperatures: the hypozonal class of deposits.

More general research fields are:

- Qualitative and quantitative investigations of hydrothermal fluid migration mechanisms in mineralized and barren ductile and brittle shear zone systems.
- Development of porosities in mineralized shear zones depending on stress, strain and fluid pressure.
- Tectonometamorphic and magmatic history of terranes and the relationship to possible hydrothermal mineralization.
- Applied projects directed towards the development of exploration strategies for sustainable mining.

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TEACHING EXPERIENCE

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- Introduction into Geochemistry (Bachelor, KIT).
- Introduction into Economic Geology (Bachelor, KIT).
- Mineral systems for metallic ore deposits (Masters, KIT).
- Mineral systems for non-metallic ore deposits (Masters, KIT).
- Graduate Course: Geology and Metallogeny of Greenland.
- Seminar or workshop: Orogenic Gold Deposits.
- Graduate Course: Fluid Inclusions and Microthermometry.
- Field trips in Germany, Namibia, South Africa and Australia.
- Workshop: Fluid Inclusion Characteristics of Orogenic Gold Deposits.
- Workshop: Introduction into Fluid Inclusion Analysis.

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ADDITIONAL TRAINING

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- 2009: Project management: Mannaz consulting.
- 2008: 3D modelling using the Leapfrog software; Introduction into ArcGIS: University of Copenhagen, Denmark.
- 2007: 3D modelling using the Leapfrog software.
- 2003: Textures in Geology, Freiberg University of Mining and Technology, Germany: Schaeben, H.
- 2001: Platinum Group Element and Magmatic Sulfide Deposits, Freiberg, Germany: Naldrett, A.J.; Dating of Hydrothermal Events: PhD/Student short course organized by the German Mineralogical Society, Germany; Modeling Reactive Flows in Earth's Crust, Ruhr-University Bochum, Germany: Bolton, E.
- 1999: Epithermal Gold Deposits, Freiberg University of Mining and Technology, Germany: Hedenquist, J.W. & Arribas, A.
- 1998: Introduction into Fluid Inclusion Research: Applications to Metamorphic Petrology, Structural Geology, and Petroleum Geology, Bern University, Switzerland: Diamond, L.

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## PROFESSIONAL SERVICE

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- 2018-2021
  - Spokesperson of the "THINTANK Industrial Resource Strategies"
- Since 2016
  - Spokesperson on "Geochemical Characterization and Technologies" Helmholtz Program Geothermal Energy
  - Spokesperson for georesources research in the KIT Climate and Environment Centre
  - Chief Editor of the SGA News and member of the Executive Committee, Society for geology applied to mineral deposits (SGA).
- 2014-2016
  - Council member of the SGA.
- 2016
  - Member of the organizing committee of the "The North Atlantic Craton and surrounding belts: a craton-specific approach to exploration targeting (NAC+ 2106)" conference.
  - 35<sup>th</sup> International Geological Congress, co-convener of "The Hadean and Archean Earth" and "Arctic and Antarctic Geosciences"
- 2014-2016: Representative of GEUS as a core member of the EIT KIC Raw Materials.
- 2013-2016
  - Representative for GEUS in the Danish reference group for Challenge 5: Climate Action, Environment, Resource Efficiency and Raw Materials.
  - GEUS representative in the Technical Advisory Group of the Global Alliance on Health and Pollution.
- 2013
  - Co-chair of the orogenic gold session at the 12<sup>th</sup> Biennial SGA Meeting "Mineral deposit research for a high-tech world", Uppsala, Sweden
  - Organizer and leader of the excursion to South Greenland at the 12<sup>th</sup> Biennial SGA Meeting "Mineral deposit research for a high-tech world", Uppsala, Sweden
  - Member of the scientific board for the 12<sup>th</sup> Biennial SGA Meeting "Mineral deposit research for a high-tech world", Uppsala, Sweden
  - Invited talk at the Finnish PhD seminar, Oulu University
  - External examiner for PhD thesis, Department of Civil, Environmental and Natural Resources Engineering, Luleå University of Technology.
- 2011: Founding member of the European Ore Deposits Initiative (EODI).
- 2007: Chairman: Advances in the Geochemical and Isotopic Analyses of Fluid Inclusions in Ore Mineralizing Systems; 17<sup>th</sup> V.M. Goldschmidt Conference, Cologne, Germany.
- 2003: Invited lecture: Fluid Inclusion Research in Economic Geology: PhD/Student short course organized by the German Mineralogical Society, Germany.
- 2000
  - Invited talk: Geology and Evolution of Precambrian Terranes from India, Bonn University, Germany: Braun, I. & Raith, M.
  - Invited poster: Gold in 2000, Lake Tahoe, Nevada USA, SEG workshop: Hagemann, S. et al.
  - Invited talk: A Geode-GeoFrance 3D Workshop on Orogenic Gold Deposits in Europe with Emphasis on the Variscides, Orleans, France: BRGM & University of Geneva.
- Reviewer for: Mineralium Deposita, Ore Geology Reviews, Economic Geology, Journal of Structural Geology, Geology, Environmental Geology, Mineralogy and Petrology, Journal of South American Earth Sciences, Journal of African Earth Sciences, South African Journal of Geology, Neues Jahrbuch für Mineralogie, International Journal of Earth Sciences, Geological Society of London Special Publications.
- Researcher and proposal evaluation for: National Research Foundation South Africa, Sweden's innovation agency (VINNOVA), Natural Sciences and Engineering Research Council of Canada (NSERC)

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## CONTRIBUTIONS TO DEPARTMENT AND FACULTY

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- Dean of Studies for Applied Geosciences, Geoecology, Geography
- Chairman of the selection committee for the "Holcim Price in the Memory of Rudolf Rohrbach"
- EU-project coordination group, GEUS (2013-2016).
- Code of research integrity group, GEUS (2013-2016).
- Organizer of the annual Danish Economic Geology Day seminar, GEUS (2008-2016).
- Member of the Danish censor corps in geology, GEUS (2007-2016).
- Chairman of the Department's geology seminar, GEUS (2007-2014).
- Management of the fluid inclusion laboratory, RWTH Aachen University (1996-2007).

- Chairman of scientists in geoscience departments of the Faculty of Georesources and Materials Engineering, RWTH Aachen University (2002-2005).
- Member of the education board of the Faculty of Georesources and Materials Engineering, RWTH Aachen University (2004-2006).

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#### PUBLICATIONS AND PAPERS

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- See attached listing of publications from 1995 through 2022.
- h-index: 27
- i10-index: 48
- 77 peer-reviewed articles
- Ca. 40 extended abstracts and other publications
- More than 100 abstracts
- 11 reports
- <https://www.researchgate.net/profile/Jochen-Kolb>
- [https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&hl=en&user=nJCweKYAAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=nJCweKYAAAAJ)

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#### LANGUAGES

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- German – native language.
- English – speak fluently and read/write with high proficiency.
- Danish – speak fluently and read/write with high proficiency.
- French – speak, read, and write with basic competence.

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#### MEMBERSHIPS

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- Society of Economic Geologists (SEG).
- Society for geology applied to mineral deposits (SGA).
- German geoscience association (DGGV).

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#### PROJECT LEADERSHIP AND SUPERVISION

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- Mechanism of Paleoproterozoic hydrothermal Zn-Pb-Ag-rare metals mineralization in the Black Angel district, central West Greenland (2022-2025)
  - Principle researcher: J. Kolb, B. Walter
  - 1 PhD project: M. Eigler
  - DFG: 268,900 EUR
- Inline Lithium-Monitoring zur effizienten Gewinnung und Prozessregelung von Lithium aus Geothermalsolen und aus Recyclingmaterial (LiMo) (2022-2024)
  - Principle researcher: J. Kolb, E. Eiche
  - Ministry of Economics, Labor and Tourism Baden-Württemberg: 707,606 EUR
- UnLimited: Production of Lithium from geothermal waters in Germany (Untersuchungen zur Lithiumproduktion aus heißen Tiefenwässern in Deutschland; 2020-2024)
  - Principle researcher: J. Kolb
  - 2 PhD projects: R. Reich, K. Slunitschek
  - Federal Ministry for Economic Affairs and Energy: 1,015,915 EUR
- Energy and mass flux in the Upper Rhine Graben (EMURG): a mineral systems approach to hydrothermal regimes in graben structures (2020-2024)
  - Principle researcher: J. Kolb, B. Walter
  - 1 PhD project: M. Jungmann
  - DFG: 227,994 EUR
- Optimized handling of non-condensable gases in binary geothermal systems based on techno-economic modelling calculations (2017-2023)
  - Principle researcher: J. Kolb, E. Eiche; T. Kölbl (EnBW)
  - 1 PhD project: D. Fechner
  - EnBW: fully financed through industry
- Comparison of Paleoproterozoic orogenic gold deposits from Lapland greenstone belt and the Svecofennian, Finland (since 2017)
  - Principle researcher: C. Patten, J. Kolb
  - 2 PhD projects: S. Hector, A. de Araujo Silva, 2 MSc supervised
  - Federal Institute for Geosciences and Natural Resources (BGR): 175,160 EUR
  - DAAD: 14,656 EUR

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- The actively forming seafloor sulfide mineralization in the Kolumbo volcano (ASK): source of metals in an arc-related magmatic-hydrothermal system (2020-2023)
    - Principle researcher: C. Patten, J. Kolb
    - 1 PhD project: S. Hector, 1 MSc supervised
    - DFG: 259,310 EUR
  - THINKTANK "Industrielle Ressourcenstrategien" (2018-2023)
    - Principle researcher: J. Kolb, Ch. Hilgers, D. Stapf, V. Schulze, T. Hirth, F. Schultmann
    - Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg: 3,370,000.00 EUR
  - Großgeräteantrag: LA-ICPMS (2021)
    - Principle researcher: J. Kolb, A. Zeh
    - DFG: 441,805.12 EUR
  - Clumped Isotopes in Geosciences, Antragssumme für "dual-laser monitor model TILDAS-FD-L2" Aerodyne Research Inc. (2021)
    - Principle researcher: J. Kolb, T. Kluge
    - KIT Future Fields Investments: 178,401.83 EUR
  - WeLaReBaWü / Weiterentwicklung Landesstrategie (2020)
    - Principle researcher: J. Kolb, B. Walter
    - Unterauftrag Hochschule Pforzheim: 20,000 EUR
  - Gold mineralization of the southwest Poli region (Cameroon), TWAS exchange program (2019-2020)
    - Principle researcher: J. Kolb, C. Patten, B. Walter
    - DFG: 9150 EUR
  - CATCHING METALS – creating a new sustainable metal reserve for the high-tech engineering industry in Germany (2018-2020)
    - Principle researcher: J. Kolb
    - 1 PhD project: K. Slunitschek, 2 MSc, 1 BSc supervised
    - Boysen Stiftung: 87,600 EUR
  - SEGMENT: South-East Greenland mineral endowment task (2009-2015)
    - Principle researcher: J. Kolb, T.F.D. Nielsen, K. Thrane; Expedition leader: B.M. Steensgaard
    - 2 PhD: M. Poulsen, S. Müller, 4 MSc, 4 BSc supervised
    - 20,000,000 DKK
  - The role of granitic intrusions in the magmatic, metamorphic and hydrothermal evolution of the Paleoproterozoic Ketilidian Orogen, South Greenland"
    - Principle researcher: J. Kolb
    - Carlsberg Foundation: 150,000 DKK
  - Integrating state of the art high resolution mineralogical analyses in investigation of gold mineralisation processes and ore prospecting in Greenland; 1.5 years project (2010-2012)
    - Principle researcher: T. Balic-Zunic, J. Kolb; PostDoc: A. Katerinopoulou
    - 880,000 DKK
  - Hydrothermal mineralization and greenstone belt geology of the North Atlantic craton, southern West Greenland (2008-2010)
    - Principle researcher: J. Kolb; 8 MSc theses, 4 BSc theses supervised
    - 6,000,000 DKK
  - Epithermal gold mineralization on Mindanao, Philippines; 0.5 year postdoc project (2006-2007)
    - Principle researcher: J. Kolb, S. Hagemann
    - 600,000 AUD
  - Hydrothermal fluid characterisation from the geothermal drill hole RWTH-1, Aachen, Germany; 3 years project
    - Principle researcher: F.M. Meyer, J. Kolb; 1 PhD supervised: M. Lögering
    - PhD salary + field work, analysis, travel expenses (German Science Foundation, DFG)
  - Petrologic and geochemical investigations of high-temperature fluid-rock interaction in metasedimentary host rocks: the Navachab gold deposit, Namibia; 3 years project
    - Principle researcher: F.M. Meyer, J. Kolb, A. Dziggel; 1 PhD: K. Wulff, 4 MSc supervised
    - PhD salary + field work, analysis, travel expenses (German Science Foundation, DFG)
  - IOCG mineralization at Guelb Moghrein, Mauritania; 3 years project
    - Principle researcher: F.M. Meyer, J. Kolb; 1 PhD: G.A. Sakellaris, 1 MSc supervised
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- PhD salary + field work, analysis, travel expenses (German Science Foundation, DFG)
  - Copper porphyry mineralization at Batu Hijau, Indonesia; 3 years project
    - Principle researcher: F.M. Meyer, J. Kolb; 1 PhD supervised: A. Arifudin
    - PhD salary + field work, analysis, travel expenses (DAAD)
  - Orogenic gold mineralization at Ajjanahalli, Hutti, Hira Buddini and Uti, India; 3 years project
    - Principle researcher: F.M. Meyer, J. Kolb; 2 PhD: A.J. Rogers; A. Hellmann, 1 MSc supervised
    - PhD salary + field work, analysis, travel expenses (German Science Foundation, DFG)
  - Orogenic gold mineralization at Renco, Zimbabwe; 3 years project
    - Principle researcher: F.M. Meyer, J. Kolb, A.F.M. Kisters
    - PhD salary + field work, analysis, travel expenses (German Science Foundation, DFG)
  - Orogenic gold mineralization at Kochkar, Urals, Russia; 3 years project
    - Principle researcher: F.M. Meyer, J. Kolb, A.F.M. Kisters, R. Ertl; 1 MSc supervised
    - PhD salary + field work, analysis, travel expenses (German Science Foundation, DFG)
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2022

- Poulsen, M.D., Keulen, N., van Hinsberg, V.J., Kolb, J., Frei, R., Thomsen, T.B. (2023): Geological processes defining the formation of plumbite-type corundum in the Paleoproterozoic Isortoq Terrane, South-East Greenland. *Precambrian Research* 385:106940. doi: <https://doi.org/10.1016/j.precamres.2022.106940>.
- Ngounouno, F.Y., Negue, E.N., Kolb, J., Walter, B., Teda Soh, A.C., Patten, C., Ngounouno, I. (2022): Tectonic setting, fluid inclusion and gold mineralization of the southwest Poli region (northern Cameroon Domain). *Journal of African Earth Sciences* 194:104579. doi: <https://doi.org/10.1016/j.jafrearsci.2022.104579>.
- Patten, C.G.C., Molnar, F., Pitcairn, I.K., Kolb, J., Mertanen, S., Hector, S. (2022): Multi-source and multi-stage metal mobilization during the tectonic evolution of the Central Lapland Greenstone Belt, Finland: implications for the formation of orogenic Au deposits. *Mineralium Deposita*. doi: ARTN 113310.1007/s00126-022-01133-z.
- Patten, C.G.C., Coltat, R., Junge, M., Peillod, A., Ulrich, M., Manatschal, G., Kolb, J. (2022): Ultramafic-hosted volcanogenic massive sulfide deposits: an overlooked sub-class of VMS deposit forming in complex tectonic environments. *Earth-Science Reviews* 224, 103891. doi: <https://doi.org/10.1016/j.earscirev.2021.103891>.
- Reich, R., Slunitschek, K., Danisi, R.M., Eiche, E., Kolb, J. (2022): Lithium Extraction Techniques and the Application Potential of Different Sorbents for Lithium Recovery from Brines. *Mineral Processing and Extractive Metallurgy Review*:1-20. doi: 10.1080/08827508.2022.2047041.
- Thébaud, N., Eglinger, A., André-Mayer, A-S., Kolb, J. (2022): Preface to the thematic issue on mineral systems of West Africa. *Mineralium Deposita* 57:509-511. doi: 10.1007/s00126-022-01100-8.

2021

- Siefert, D., Wolfgramm, M., Kölbl, T., Glodny, J., Kolb, J., Eiche, E. (2021): Geothermal reservoir rocks of the Büyükk Menderes Graben (Turkey): stratigraphic correlation by a multiproxy approach. *Turkish Journal of Earth Sciences* 30, 1008-1031. doi:10.3906/yer-2104-11
- Steiger, K., Hilgers, Ch., Kolb, J. (2021): Mining – smelting – recycling, is the German demand and supply of raw materials resilient. *SGA News* 49, 1-5.
- Slunitschek, K., Kolb, J., Eiche, E. (2021): Lithiumextraktion aus geothermischen Solen: Moderne Adsorptionsmethode zur Rohstoffgewinnung. *Wiley Analytical Science Magazine*. <https://analyticalscience.wiley.com/do/10.1002/was.00050218/full/>
- Walter, B.F.; Giebel, R.J.; Steele-MacInnis, M.; Marks, M.A.W.; Kolb, J.; Markl, G. (2021): Fluids associated with carbonatitic magmatism: A critical review and implications for carbonatite magma ascent. *Earth Science Reviews*, 103509. doi:10.1016/j.earscirev.2021.103509

2020

- Patten, C.G.C., Pitcairn, I.K., Molnár, F., Kolb, J., Beaudoin, G., Guilmette, C., Peillod, A. (2020): Gold mobilization during metamorphic devolatilization of Archean and Paleoproterozoic metavolcanic rocks. *Geology* 48, 1110-1114.
- Bagas, L., Kolb, J., Nielsen, T.F.D., Groves, D. (2020): The complex tectonic evolution of the craton-adjacent northern margin of the Palaeoproterozoic Ketilidian Orogen, southeastern Greenland: Evidence from the geochemistry of mafic to intermediate and granitic intrusions. *Lithos*, 358-359. <https://doi.org/10.1016/j.lithos.2020.105384>
- Saintilan, N.J., Selby, D., Hughes, J.W., Schlatter, D.M., Kolb, J., Boyce, A. (2020). Mineral separation protocol for accurate and precise rhenium-osmium (Re-Os) geochronology and sulphur isotope composition of individual sulphide species. *MethodsX*. <https://doi.org/10.1016/j.mex.2020.100944>
- Saintilan, N.J., Selby, D., Hughes, J.W., Schlatter, D.M., Kolb, J., Boyce, A. (2020). Source of gold in Neoproterozoic orogenic-type deposits in the North Atlantic Craton, Greenland: Insights for a proto-source of gold in sub-seafloor hydrothermal arsenopyrite in the Mesoarchean. *Precambrian Research*, 343, 105717. <https://doi.org/10.1016/j.precamres.2020.105717>

2019

- Dziggel, A., Diener, J.F.A., Kokfelt, T.F., Kolb, J., Scherstén, A. (2019): Thermal structure and evolution of an Archean large hot orogen: Insights from the Tasiussarsuaq terrane, SW Greenland. *Precambrian Research*, 335, <https://doi.org/10.1016/j.precamres.2019.105499>

Dill, H.G., Kolb, J. (2019): Carbonate-related metallic and non-metallic mineralization within and proximal to granites (Fichtelgebirge Pluton, Germany): "Mantle-crust marker mineralization". *Ore Geology Reviews*, **104**, 46-71. <https://doi.org/10.1016/j.oregeorev.2018.10.011>

#### 2018

Lebrun, E., Ártung, T.B., Kolb, J., Fiorentini, M., Kokfelt, T., Johannesen, A.B., Maas, R., Thébaud, N., Martin, L.A.J., Murphy, R.C. (2018): Genesis of the Paleoproterozoic Ammassalik Intrusive Complex, south-east Greenland. *Precambrian Research*, **315**, 19-44. <https://doi.org/10.1016/j.precamres.2018.06.016>

Horn, S., Dziggel, A., Kolb, J., Sindern, S. (2018): Textural characteristics and trace element distribution in carbonate-hosted Zn-Pb-Ag ores at the Paleoproterozoic Black Angel deposit, central West Greenland. *Mineralium Deposita*. <https://doi.org/10.1007/s00126-018-0821-5>

Müller, S., Dziggel, A., Sindern, S., Kokfeld, T.F., Gerdas, A., Kolb, J. (2018): Age and temperature-time evolution of retrogressed eclogite-facies rocks in the Paleoproterozoic Nagssugtoqidian Orogen, South-East Greenland: constrained from U-Pb dating of zircon, monazite, titanite and rutile. *Precambrian Research*, **314**, 468-486. <https://doi.org/10.1016/j.precamres.2018.07.002>

Müller, S., Dziggel, A., Kolb, J., Sindern, S. (2018): Mineral textural evolution and PT-path of relict eclogite-facies rocks in the Paleoproterozoic Nagssugtoqidian Orogen, South-East Greenland. *Lithos*, **296-299**, 212-232. <https://doi.org/10.1016/j.lithos.2017.11.008>

#### 2017

Dziggel, A., Kokfelt, T.F., Kolb, J., Kisters, A.F.M., Reifendorfer, R. (2017): Tectonic switches and the exhumation of deep-crustal granulites during Neoproterozoic terrane accretion in the area around Grædefjord, SW Greenland. *Precambrian Research*, **300**, 223-245. <https://doi.org/10.1016/j.precamres.2017.07.027>

Rosing-Schow, N., Bagas, L., Kolb, J., Balić-Žunić, T., Korte, Ch., Fiorentini, M.L. (2017): Hydrothermal flake graphite mineralisation in Paleoproterozoic rocks of south-east Greenland. *Mineralium Deposita*, **52**, 769-789. <https://doi.org/10.1007/s00126-016-0701-9>

Bell, R.-B., Kolb, J., Waight T.E. (2017): Assessment of lithological, geochemical and structural controls on gold distribution in the Nalunaq gold deposit, South Greenland using three-dimensional implicit modelling. In: Gessner, K., Blenkinsop, T.G., Sorjonen-Ward, P. (eds): Characterization of Ore-Forming Systems from Geological, Geochemical and Geophysical Studies; *Geological Society Special Publications*, **453**, London, <https://doi.org/10.1144/SP453.2>

Bell, R.-M., Kolb, J., Waight, T.E., Bagas, L., Thomsen, T.B. (2017): A Palaeoproterozoic multi-stage hydrothermal alteration system at Nalunaq gold deposit, South Greenland. *Mineralium Deposita*, **52**, 383-404. <https://doi.org/10.1007/s00126-016-0667-7>

Kolb, J. (2017): Photograph of the month. *Journal of Structural Geology*, **99**, iii. [http://dx.doi.org/10.1016/S0191-8141\(17\)30102-5](http://dx.doi.org/10.1016/S0191-8141(17)30102-5)

#### 2016

Kolb, J., Petrov, N. (2016): The Guelb Moghrein Cu–Au deposit: Neoproterozoic hydrothermal sulfide mineralization in carbonate-facies iron formation. *Ore Geology Reviews*, **78**, 573-577. <https://doi.org/10.1016/j.oregeorev.2015.09.003>

Polat, A., Kokfelt, T., Burke, K.C., Kusky, T.M., Bradley, D.C., Dziggel, A., Kolb, J. (2016): Lithological, structural, and geochemical characteristics of the Mesoproterozoic Tartoq greenstone belt, southern West Greenland, and the Chugach - Prince William accretionary complex, southern Alaska: evidence for uniformitarian plate-tectonic processes. *Canadian Journal of Earth Sciences*, **53**, 1336-1371. [dx.doi.org/10.1139/cjes-2016-0023](http://dx.doi.org/10.1139/cjes-2016-0023)

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*Abstracts*

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