

PUBLICATIONS LIST

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A. PEER-REVIEWED PUBLICATIONS

- (111) **Aulbach S**, Pohlner JE, Stern RA, Höfer HE, Schulze DJ, Helmstaedt H (in press) Sediment-derived deep forearc fluid caused coupled sulfur-Fe³⁺-enrichment in eclogite from the subducted Farallon plate. *Earth and Planetary Science Letters*
- (110) Brown M, **Aulbach S**, Johnson T (2026) Eclogites and eclogites: Implications for Archean tectonics. *Geology*. doi.org/10.1130/G54337.1
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- (103) Pohlner JE, Albert R, Hao S, Gerdes A, Helmstaedt HH, Schulze DJ, **Aulbach S** (2025) Timing and conditions of UHP metamorphic and metasomatic processes in the subducting Farallon plate revealed by eclogite and omphacite xenoliths of the Navajo Volcanic Field (USA). *Contributions to Mineralogy and Petrology* 180:27, doi.org/10.1007/s00410-025-02218-4
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- (101) Puchtel I, Walker R, **Aulbach S**, Bennett V (2025) Os isotopes – understanding Earth's infancy (working title). In: Stein H, Reisberg L: Re-Os – clock with clout. *Elements* 21:277-282 – *BY INVITATION*
- (100) **Aulbach S**, Brounce M (2025) Mantle Redox. *Treatise on Geochemistry* 3rd edition, Vol. 1, pp. 275-332, doi.org/10.1016/B978-0-323-99762-1.00101-7 – *BY INVITATION*
- (99) Reisberg L, **Aulbach S** (2025) The lithospheric mantle. *Treatise on Geochemistry* 3rd edition, Vol. 1, pp. 773-865, doi.org/10.1016/B978-0-323-99762-1.00079-6 – *BY INVITATION*

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- (19) **Aulbach S**, O'Reilly SY, Pearson NJ (2011) Constraints from eclogite and MARID xenoliths on origins of mantle Zr/Hf–Nb/Ta variability. *Contributions to Mineralogy and Petrology* 162: 1047-1062
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B. SUBMITTED

- (5) Wang C, Mitchell R, **Aulbach S**, Gernon T, Velásquez-Ruiz F, Stagno V, Yang Z, Yang J, Wang S-J, Zhang R, Shi Y (submitted) Phanerozoic enhanced redox melting in Earth's mantle driven by deep carbon cycle
- (4) Wang C, **Aulbach S**, Giuliani A, Magna T, Krmíček L, Zhang Z, Bo H Xiao Y (submitted) Effect of hydrothermal alteration, magmatic differentiation and lithospheric mantle entrainment on the lithium isotopic composition of kimberlites
- (3) Puziewicz J, **Aulbach S**, Hidas K, Mazur S, Ntaflou T, Gerdes A, Matusiak-Malek M, Ziobro-Mikrut M (under revision) Origin of amphibole in evolving Variscan subcontinental lithospheric mantle: The Marais de Limagne xenoliths, Massif Central, France
- (2) Mikrut J, Matusiak-Malek M, Puziewicz J, Kukuła A, **Aulbach S**, Ntaflou T, Grégoire M, Johansson L, Buczek D, Tilhac R (under revision) Complex evolution of lithospheric mantle beneath southern margin of East European Craton evidenced by heterogeneous peridotitic xenoliths from Scania, S Sweden. *Contributions to Mineralogy and Petrology*
- (1) Marras G, Mikhailenko D, McCammon C, **Aulbach S**, Logvinova A, Zedgenizov D, Stagno V (under revision) Reconstructed Archaean convecting mantle from oxythermobarometry of E-type inclusions in Siberian lithospheric diamonds. *Science Advances*

C. INVITED CONFERENCE PRESENTATIONS

- (29) **Aulbach S** (2026). Origin, evolution and structure of continental lithospheric mantle, Third Edition of the International School on Mantle Petrology (MEREMA), Volterra, Italy
- (28) **Aulbach S** (2026). The continental lithospheric mantle as a metallurgist. Gordon Research Conference on Geochemistry of Mineral Deposits/Geochemistry at the Edge of Discovery, Barcelona, Spain

- (27) **Aulbach S**, Ogunjobi C, Pohlner JE, Tommasi A, Schulze DJ (2026) Rare and unusual microstructures in eclogite xenoliths from the diamondiferous Blaauwbosch lamproite (Boshof area, Kaapvaal craton). International Diamond School 2026, Brixen, Italy
- (26) **Aulbach S** (2025) Tracking volatile elements and their effects on continental lithosphere evolution through orogeny and rifting. Solicited Speaker, Gordon Research Conference on Interior of the Earth, Smithfield, USA
- (25) **Aulbach S**, Puziewicz J, Vanderhaeghe O, Casetta F, Prelević D (2025). Tracking volatile elements in the lithospheric mantle through the orogenic cycle. Abstract, EGU25-7673, European Geological Union General Assembly, Vienna, Austria
- (24) **Aulbach S**, Nicklas RW, Wang J, O'Neill C, Stagno V (2024) Re-examining the case for a protracted terrestrial mantle redox evolution. Abstract, AGU Fall Meeting Union Session, Washington DC, USA
- (23) **Aulbach S**, Chen R-X (2024) Fate of volatiles in subduction-modified continental mantle. Abstract, DEEP24, Deep Earth Exploration and Practices, Beijing, China
- (22) **Aulbach S** (2024) The continental subduction factory as a precursor to long-term volatile storage in the lithosphere. Abstract, EMC24, 4th European Mineralogical Conference, Dublin, Ireland - *KEYNOTE LECTURE*
- (21) **Aulbach S**, Beranoguirre A, Millonig L, Pohlner J (2024) Obtaining and interpreting ages from xenolithic mantle eclogites – the oldest records of subducted oceanic crust. Abstract, EGU24-2810, European Geological Union General Assembly, Vienna, Austria
- (20) **Aulbach S** (2023) Obtaining and interpreting lithospheric mantle ages. Gordon Research Conference on Timing, Tempo and Drivers of Lithospheric Evolution, Mount Snow, USA
- (19) **Aulbach S** (2023) Lithospheric diamonds II: eclogitic and pyroxenitic substrates. International Diamond School 2023, Brixen, Italy - *KEYNOTE LECTURE*
- (18) **Aulbach S**, Lin A, Stagno V, Caracausi A (2022) Formation of wehrlite in the shallow lithosphere beneath intra-continental rifts and basins, and its link to the volatile cycle. Abstract, Congresso Società Geologica Italiana, Torino, Italy –*KEYNOTE LECTURE*
- (17) **Aulbach S** (2022) Earth's mantle: probing a hidden heavy-weight. Abstract, Frontiers in Mineralogy celebrating the 100th Annual Conference of the German Mineralogical Society DMG, GeoMinKöln, Cologne, Germany – *SYMPOSIUM LECTURE*
- (16) **Aulbach S**, Stagno V (2022) Co-evolution of continental mantle and magmas, and some implications for carbon cycling. Abstract, 32nd V. M. Goldschmidt Conference, Hawaii, USA – *KEYNOTE LECTURE*
- (15) **Aulbach S** (2022) Physicochemical properties of mantle eclogite, and mass transfer in ancient subduction zones. International Eclogite Conference-14, Lyon, France – *KEYNOTE LECTURE*
- (14) **Aulbach S**, Arndt NT, Gerdes A, Heaman LM, Höfer HE, Stagno V, Stern R, Viljoen F, Woodland AB (2021) Chemical geodynamics with eclogite. Abstract, 31st V. M. Goldschmidt Conference, Lyon, France – *PLENARY LECTURE*
- (13) **Aulbach S** (2019). Why inner values matter – Earth's mantle and habitability. AGU Centennial – Earth Interior, Ingredients for Life. AGU Fall Meeting, San Francisco, USA
- (12) **Aulbach S**, Mikhail S (2019) Eclogite, Diamond, and Volatile Cycling in Palaeo-Subduction Zones. Abstract, AGU Fall Meeting, San Francisco, USA
- (11) **Aulbach S** (2018) Redox evolution of the convecting and lithospheric mantle and its effect on carbon cycling. *Solicited lecture* for Gordon Research Conference on Deep Carbon Science in the Context of Geologic Time, Smithfield, USA
- (10) **Aulbach S**, Woodland AB (2017) Intraplate magmas as expressions of evolving convecting mantle P-T-X-f_{o2}. Abstract, 27th V. M. Goldschmidt Conference, Paris, France – *KEYNOTE LECTURE*

- (9) **Aulbach S** (2016) Constraints from spreading ridge-derived eclogites on Archaean mantle potential temperatures. Abstract, 2nd European Mineralogical Conference, Rimini, Italy – *KEYNOTE LECTURE*
- (8) **Aulbach S**, Stagno V (2015) Mantle redox evolution deduced from eclogites: Implications for volatile-rich magma generation. 25th V. M. Goldschmidt Conference, Prague, Czech Republic
- (7) **Aulbach S**, Rondenay S, Huisman R (2014) Physico-chemical constraints on cratonic lithosphere discontinuities. EGU General Assembly, Vienna, Austria
- (6) **Aulbach S**, Huisman R, Rondenay S (2013) Petrological-Geochemical Constraints on Formation and Modification of Cratonic Lithospheric Mantle and Implications for its Thermophysical Properties. AGU Fall Meeting, San Francisco, USA
- (5) **Aulbach S**, Stachel T, Creaser RA, Heaman LM, Chacko T (2012) Crust and mantle lithosphere relationships in the central Slave craton. 34th International Geological Congress, Brisbane, Australia
- (4) **Aulbach S** (2011) Craton Nucleation and Growth in Vertical and Horizontal Processes. Abstract, International Conference on Craton Formation and Destruction, Beijing, China – *KEYNOTE LECTURE*
- (3) **Aulbach S**, Rudnick RL, McDonough WF (2008) Lithospheric mantle sources within the East African rift, Tanzania. Abstract, 18th V. M. Goldschmidt Conference, Vancouver, Canada – *KEYNOTE LECTURE*
- (2) **Aulbach S**, Creaser RA, Heaman LM, Simonetti SS, Griffin WL, Stachel T (2008) Sulfides, diamonds and eclogites: their link to peridotites and Slave Craton tectonothermal evolution. Abstract, 18th V. M. Goldschmidt Conference, Vancouver, Canada
- (1) **Aulbach S**, Griffin WL, Pearson NJ, O'Reilly SY, Kivi K (2005) Os-Hf-Nd Isotope Constraints on Subcontinental Lithospheric Mantle Evolution, Slave Craton (Canada). Abstract, 15th V.M. Goldschmidt Conference, Moscow, USA

D. ABSTRACTS (WITHOUT INVITED)

- (144) Beranoguirre A., **Aulbach S**, Millonig LJ, Kutzschbach M, Le Roex A, Tinguely C, Gerdes A (2026) Effect of kimberlite melts on garnet U-Pb and Lu-Hf geochronology. Abstract, EGU26-22769, European Geological Union General Assembly, Vienna, Austria
- (143) Zeng X, Casetta F, Ntaflos T, Abart R, **Aulbach S**, Nardini N (2026) Oceanic Lithospheric Mantle evolution and plumbing system roots beneath Madeira Island (Portugal): evidence from petrology and geochemistry of ultramafic xenoliths. Abstract, EGU26-11567, European Geological Union General Assembly, Vienna, Austria
- (142) **Aulbach S**, Hezel D, Moser L, Woodland AB (2025) Wehrlite formation and rift-related mantle-CO₂ degassing: News from the Eifel Volcanic Field. Abstract, Earth Mantle Workshop, Vienna, Austria
- (141) Casetta F, Ntaflos T, **Aulbach S**, Faccincani L, Ashchepkov I, Abart R (2025) Olivine trace element chemistry in spinel to garnet peridotite xenoliths from Udachnaya-East (Siberia) and the chemical log of the sub-cratonic lithospheric mantle. Abstract, Earth Mantle Workshop, Vienna, Austria
- (140) Patkó L, **Aulbach S** (2025) Redox evolution of the lithospheric mantle beneath the Nógrád-Gömör Volcanic Field (Northern Pannonian Basin). Abstract, Earth Mantle Workshop, Vienna, Austria
- (139) Nardini N, Casetta F, **Aulbach S**, Ntaflos T, Coltorti MI (2025) Diving into the roots of plumbing systems: ultramafic xenoliths as tools to explore deep magmatic processes and melt evolution in the Dolomites (Southern Alps, Italy). Abstract, Earth Mantle Workshop, Vienna, Austria

- (138) Mikrut J, Matusiak-Małek M, Kukuła A, Puziewicz J, **Aulbach S**, Ntaflos T, Grégoire M, Johansson L, Buczek D, Tilhac R (2025) Southern Sweden's peridotitic xenoliths record the structure and evolution of Earth's mantle beneath the East European Craton margin. Abstract, Earth Mantle Workshop, Vienna, Austria
- (137) Ziobro-Mikrut M, Puziewicz J, **Aulbach S**, Kaczmarek MA, Ntaflos T, Grégoire M, Matusiak-Małek M (2025) Lithospheric mantle of the Cenozoic Upper Rhine Rift (Europe): the record in xenoliths from the Vogelsberg (Central Germany). Abstract, Earth Mantle Workshop, Vienna, Austria
- (136) Puziewicz J, **Aulbach S**, Vanderhaeghe O, Grégoire M, Ziobro-Mikrut M (2025) Xenolithic comment on the evolution of the Variscan orogenic mantle root in Europe. Abstract, Earth Mantle Workshop, Vienna, Austria
- (135) Pohlner JE, **Aulbach S**, McCormack J, Hao S, Höfer HE, Hezel DC, Weyer S, Oeser, Horn I, Stern RA, Schulze DJ, Helmstaedt HH (2025) Metasomatism in eclogite and omphacitite xenoliths from the Navajo Volcanic Field (USA) revealed by Mg-Fe-Zn-S isotopes. Abstract, 35th V. M. Goldschmidt Conference, Prague, Czech Republic
- (134) Pattnaik J, **Aulbach S**, Ghosh S, Babu EVSSK, Viljoen F, Bolhar R (2025) Revisiting the physicochemical evolution of the lithospheric mantle beneath the Dharwar craton, India. Abstract, 35th V. M. Goldschmidt Conference, Prague, Czech Republic
- (133) Beranoguirre A, **Aulbach S**, Millonig LJ, Le Roex A, Tinguely C, Gerdes A (2025) The (geochronological) tale of three minerals (cpx-grt-rt) in eclogites (Kaapvaal Craton). Abstract, 35th V. M. Goldschmidt Conference, Prague, Czech Republic
- (132) Vanderhaeghe O, Puziewicz J, Mazur S, **Aulbach S**, Grégoire M, Schiffer C, Palomera I (2025) Variscan geodynamics and lithospheric differentiation: Insights from geophysical and geological data from Western Europe. GeoTolosa2025, Toulouse, France
- (131) Davies R, **Aulbach S**, Stachel T (2025) Water in cratonic peridotite xenoliths from the Attawapiskat Kimberlite Field Superior Craton: impacts of tectonothermal events on mantle lithosphere evolution and dynamics. Abstract, Gordon Research Conference on Interior of the Earth, Smithfield, USA
- (130) **Aulbach S**, Schulze DJ, Keller J, Pohlner J, Hezel DC, Beranoguirre A (2025) Origin and metamorphic-metasomatic evolution of Chino Valley (AZ) eclogite xenoliths. Abstract, International Eclogite Conference-15, Rohnert Park, USA
- (129) Pohlner JE, **Aulbach S**, Hao S, Hezel DC, Höfer HE, Weyer S, Horn I, Stern RA, Helmstaedt HH, Schulze DJ (2025) A window into the Farallon slab: multi-stage UHP fluid metasomatism in eclogite and omphacitite xenoliths of the Navajo Volcanic Field (USA). Abstract, International Eclogite Conference-15, Rohnert Park, USA
- (128) Beranoguirre A, **Aulbach S**, Millonig LJ, Le Roex A, Tinguely C, Gerdes A (2025) The (geochronological) tale of three minerals (cpx-grt-rt) in eclogites (Kaapvaal Craton). Abstract, International Eclogite Conference-15, Rohnert Park, USA
- (127) Mazurek H, Matusiak-Małek M, Puziewicz J, **Aulbach S**, Ntaflos T (2025). Multi-stage evolution of continental lithospheric mantle beneath Devès volcanic field (Massif Central, France): an example from Allegre. Abstract, EGU25-8658, European Geological Union General Assembly, Vienna, Austria
- (126) Pattnaik J, **Aulbach S**, Viljoen F, Ueckermann H, Mxinwa T (2025) The diamond-poor nature of corundum-bearing eclogite and Karoo-type overprint of deep eclogite sources beneath the Kimberley region (Kaapvaal craton). Abstract, EGU25-4945, European Geological Union General Assembly, Vienna, Austria
- (125) Puziewicz J, **Aulbach S**, Vanderhaeghe O, Grégoire M, Ziobro-Mikrut M (2025) Evolution of the of Variscan orogenic mantle root in Europe viewed through combined analysis of tectonic models and mantle xenoliths. Abstract, EGU25-2372, European Geological Union General Assembly, Vienna, Austria
- (124) Patkó L, **Aulbach S** (2025) Petrogenesis, thermal and redox evolution and structure of the lithospheric mantle and its link to surface processes in an extensional back-arc basin in Central Europe. Poster, Meeting of the Rhein-Main Universities, Darmstadt, Germany

- (123) Hao S, **Aulbach S**, Pohlner JE (2025) Illuminating mass transfer in warm subduction zones with metal isotopes: The Catalina Schist example. Poster, Meeting of the Rhein-Main Universities, Darmstadt, Germany
- (122) Buczko D, Matusiak-Małek M, Majka J, **Aulbach S** (2024) Orogenic peridotites of the Köli & Seve nappe complexes – similarities, differences and implications for Baltican margin evolution throughout the Caledonian Orogeny. Mineralogical Society of Poland. Mineralogia – special papers 52
- (121) Kukuła A, Matusiak-Małek M, Upton BGJ, Ntaflös T, Mazurek H, **Aulbach S**, Gregoire M, Hughes HSR (2024) Evolution of lower crust and upper mantle beneath Southern Uplands and Midland Valley Terranes (S Scotland): constraints from ultramafic cumulitic xenoliths in alkaline mafic lavas. Mineralogical Society of Poland. Mineralogia – special papers 52
- (120) Puziewicz J, **Aulbach S**, Kaczmarek M-A, Ntaflös T, Matusiak-Małek M, Ziobro-Mikrut M, Gerdes A (2024) Evolution of lithospheric mantle of the Hessian Depression (Germany). Mineralogical Society of Poland. Mineralogia – special papers 52
- (119) Nicklas RW, **Aulbach S**, Baxter EF (2024) Nb-Ta Disequilibrium in Xenolith Eclogite Rutile: Implications for Diffusive Metasomatic Processes in the Lithospheric Mantle. Abstract, AGU Fall Meeting, Washington DC, USA
- (118) Pohlner JE, **Aulbach S**, Stern RS, Schulze DJ, Helmstaedt H (2024) Sources of sulphur in pyrite-rich eclogite and omphacite xenoliths from the Navajo Volcanic Field (USA). Abstract, EMC24, 4th European Mineralogical Conference, Dublin, Ireland
- (117) Peshek C, Sharp Z, **Aulbach S** Mantle eclogite xenoliths record a constant ocean oxygen isotope composition for at least 2 billion years. Abstract, 34th V. M. Goldschmidt Conference, Chicago, USA
- (116) Reisberg L, **Aulbach S** (2024) Continental lithospheric mantle. Abstract, 34th V. M. Goldschmidt Conference, Chicago, USA
- (115) Pohlner JE, Hao S, Albert R, Gerdes A, Schulze DJ, Helmstaedt H, **Aulbach S** (2024) Garnet, zircon and rutile U-Pb systematics of eclogite xenoliths from the Navajo Volcanic Field (USA). Abstract, EGU24-13231, European Geological Union General Assembly, Vienna, Austria
- (114) Matusiak-Małek M, Ziobro-Mikrut M, Mikrut J, Buczko D, Puziewicz J, Ntaflös T, **Aulbach S**, Grégoire M, Johansson L (2024) Micro-heterogeneities in lithospheric mantle evidenced by clinopyroxene forming peridotitic xenoliths. Abstract, EGU24-17699, European Geological Union General Assembly, Vienna, Austria
- (113) Mazurek H, Matusiak-Małek M, Puziewicz J, **Aulbach S**, Ntaflös T (2024) Insight into lithospheric mantle beneath Devès volcanic field recorded by xenoliths from Mt. Coupet (Massif Central, France): preliminary data. Abstract, EGU24-8658, European Geological Union General Assembly, Vienna, Austria
- (112) Puziewicz J, **Aulbach S**, Ntaflös T, Matusiak-Małek M (2024) Amphibole origin in the mantle lithosphere peridotites beneath continents: An example from Marais de Limagne (Massif Central, France) xenoliths. Abstract, EGU24-3978, European Geological Union General Assembly, Vienna, Austria
- (111) **Aulbach S**, Kuiper K, Tinguely C, Jacob D, Wijbrans J, Le Roex A (2024) Origins and petrogenetic significance of amphibole and phlogopite in kimberlite-borne eclogite xenoliths. Abstract, 12th International Kimberlite Conference, Yellowknife, Canada
- (110) Millonig LJ, Beranoguirre A, Schulze DJ, **Aulbach S** (2024) Imaging the cratonic mantle lithosphere-kimberlite system beneath Kimberley with in-situ U-Pb and geochemical analyses. Abstract, 12th International Kimberlite Conference, Yellowknife, Canada
- (109) Marras G, Mikhailenko D, McCammon C, **Aulbach S**, Logvinova A, Dominijanni S, Stagno V (2024) Mineral inclusions in E-type diamonds from the Siberian craton: witnesses of Archaean mantle redox heterogeneities and eclogite buffering capacity. Abstract, 12th International Kimberlite Conference, Yellowknife, Canada

- (108) Davies RM, **Aulbach S**, Stachel T (2024) Water in cratonic eclogites and peridotites from the Superior and Sask Archean Cratons: impacts of tectonothermal events on mantle lithosphere evolution and dynamics. Short Abstract, 12th International Kimberlite Conference, Yellowknife, Canada
- (107) Reiss MC, Moulas E, Kaus B, **Aulbach S** (2023) Combined seismic, petrological and geodynamic approaches to understand the Eifel magmatic system and CO₂ degassing. Poster, ICDP Workshop “Eifel”, Bad Honnef, Germany
- (106) Buczko D, Majka J, Matusiak-Matek M, **Aulbach S** (2023) Multi-stage retrogression of garnet peridotites recorded by amphibole – Lejarfjället Retrogressed Garnet Peridotite, Scandinavian Caledonides case study. Abstract, Mineralogical Society of Poland, Bielawa, Poland
- (105) Pohlner JE, Albert R, **Aulbach S**, Hao S, Gerdes A, Walters JB, Schulze DJ, Helmstaedt H (2023) U-Pb garnet, zircon, and rutile petrochronology of eclogite xenoliths from the Navajo Volcanic Field (USA). Abstract, MinWien, Wien, Austria
- (104) Davies RM, **Aulbach S**, Stachel T (2023) Water in cratonic peridotite and eclogite xenoliths from the Superior and Sask Archean Cratons: impacts of tectonothermal events on mantle lithosphere evolution and dynamics. Abstract, Gordon Research Conference on Timing, Tempo and Drivers of Lithospheric Evolution, Mount Snow, USA
- (103) Marras G, Mikhailenko D, McCammon C, **Aulbach S**, Logvinova A, Dominijanni S, Stagno V (2023) Redox heterogeneities in the Archean mantle inferred by mineral inclusions in Siberian E-type diamonds: implications for volatile speciation and diamond formation. Abstract, 33rd V. M. Goldschmidt Conference, Lyon, France
- (102) Pohlner JE, **Aulbach S**, Seitz H-M, Spomer E, Roper RA, Gerdes A, Schulze DJ, Helmstaedt H (2023) Isotopic fingerprint of metasomatism in eclogite xenoliths from the Navajo Volcanic Field (USA). Abstract, 33rd V. M. Goldschmidt Conference, Lyon, France
- (101) **Aulbach S**, Stalder R, Massuyeau M, Stern RA, Ionov DA, Heaman LM, Korsakov AV (2023) Water in omphacite and garnet from unmetasomatized xenolithic eclogite: T-X-fO₂ controls, and implications for conductivity and the deep H₂O cycle. Abstract, 33rd V. M. Goldschmidt Conference, Lyon, France
- (100) Marras G, Mikhailenko D, McCammon C, **Aulbach S**, Logvinova A, Dominijanni S, Stagno V (2023) Iron oxidation state in mineral inclusions from Siberian E-type diamonds: Implications for the redox state of Archean oceanic crust and diamond formation. International Diamond School 2023, Brixen, Italy
- (99) Ziobro-Mikrut M, Puziewicz J, **Aulbach S**, Ntaflos T (2023) The lithospheric mantle beneath Devès volcanic field – case study of mantle xenoliths from Mt. Briançon (Massif Central, France). Abstract EGU23-14795, European Geological Union General Assembly, Vienna, Austria
- (98) Puziewicz J, **Aulbach S**, Matusiak-Matek M, Ntaflos T, Ziobro-Mikrut M (2023) Peridotite xenoliths from Stöpfung in Hessian Depression (Germany) revisited. Abstract EGU23-2878, European Geological Union General Assembly, Vienna, Austria
- (97) Buczko D, Matusiak-Matek M, Majka J, **Aulbach S**, Klonowska I (2022) Origin and tectonic significance of mantle fragments emplaced within an ancient Baltican margin (Scandinavian Caledonides Sweden). Abstract, Joint Meeting of the DMG Sections Geochemistry and Petrology/Petrophysics, Mainz, Germany
- (96) Peshek C, Sharp Z, McGunnigle J, Cano E, **Aulbach S**, Viljoen F, Pearson DG, Hardman M (2022) Triple oxygen isotopes reveal the origin and evolution of mantle eclogite. Abstract, 32nd V. M. Goldschmidt Conference, Hawaii, USA
- (95) Matusiak-Matek M, Kukuła A, Matczuk P, Puziewicz J, Upton BJB, Ntaflos T, **Aulbach S**, Grégoire M, Hughes HSR (2022) Evolution of upper mantle and lower crust beneath Southern Uplands and Midland Valley Terranes (S Scotland) as recorded by peridotitic and pyroxenitic xenoliths in alkaline mafic lavas. Abstract, Earth Mantle Workshop, Toulouse, France

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