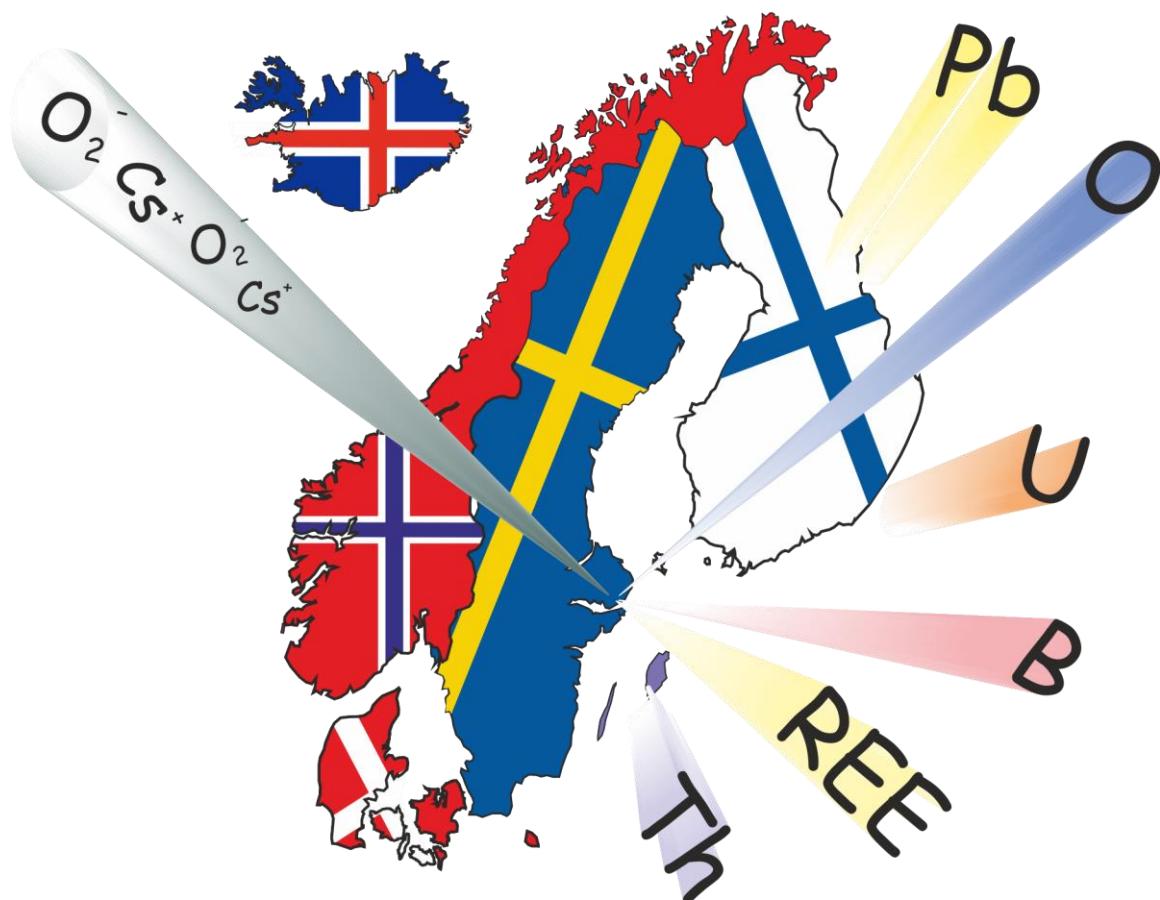


NORDSIMS LABORATORY PUBLICATIONS

1996 – 2018



NordSIMS

NORDSIMS LABORATORY PUBLICATIONS

1996 – 2018

List of all peer-reviewed journal or book publications from 1996 to present. Number in left hand column is the NordSIMS laboratory contribution number. Where available, hyperlinks will lead to online publications – levels of access may vary according to individual and/or institutional privileges.

Blue text indicates publications available online but not yet in print.

Publication year 2018 (and ‘in press’)

- 549 Gardiner, N.J., Searle, M.P., Morley, C.K., Whitehouse, M.J., Robb, L.J., Roberts, N.M.W., Kirkland, C.L., Spencer, C.J. (in press). The crustal architecture of Myanmar imaged through zircon U-Pb, Lu-Hf and O isotopes: Tectonic and metallogenic implications. *Gondwana Research*.
- 548 Heinonen, A.P., Rämö, O.T., Mänttäri, I., Andersen, T., Larjamo, K. (in press). Zircon as a proxy for the magmatic evolution of Proterozoic ferroan granites; the Wiborg rapakivi granite batholith, SE Finland. *Journal of Petrology*.
- 547 Huhma, H., Hanski, E., Kontinen, A., Vuollo, J., Mänttäri, I., Lahaye, Y. (2018). Sm-Nd and U-Pb isotope geochemistry of the Palaeoproterozoic mafic magmatism in eastern and northern Finland. *Geological Survey of Finland, Bulletin* 405, 150 pp.
- 546 Snape J.F., Davids B., Nemchin A.A., Whitehouse M.J. and Bellucci J.J. (2018) Constraining the timing and sources of volcanism at the Apollo 12 landing site using new Pb isotopic compositions and crystallisation ages. *Chemical Geology* 482, 101-112.
- 545 Kielman, R.B., Nemchin, A.A., Whitehouse, M.J., Pidgeon, R.T., Bellucci, J.B. (2018). U-Pb age distribution recorded in zircons from Archean quartzites in the Mt. Alfred area, Yilgarn Craton, Western Australia. *Precambrian Research* 310, 278-290.
- 544 Petersson, A., Scherstén, A., Kristinsdóttir, B., Kemp, A., Whitehouse, M. (2018). Birimian crustal growth in the West African Craton: U-Pb, O and Lu-Hf isotope constraints from detrital zircon in major rivers. *Chemical Geology* 479, 259-271.
- 542 Laurent, A.T., Bingen, B., Duchene, S., Whitehouse, M.J., Seydoux-Guillaume, A.-M., Bosse, V. (2018). Decoding protracted zircon geochronological record in ultra-high temperature granulite, and persistence of partial melting in the crust, Rogaland, Norway. *Contributions to Mineralogy and Petrology* 173:29.

- 540 Heinonen, J.S., Luttinen, A.V., Whitehouse, M.J. (2018). High $\delta^{18}\text{O}$ in the mantle sources of continental flood basalts of the Antarctic portion of the Karoo large igneous province. *Contributions to Mineralogy and Petrology* 173:21.
- 539 Ge, R., Wilde, S.A., Nemchin, A.A., Whitehouse, M.J., Bellucci, J.J., Erickson, T.M., Frew, A., Thern, E.R. (2018). A 4463 Ma apparent zircon age from the Jack Hills (Western Australia) resulting from ancient Pb mobilization. *Geology* 46, 303-306.
- 538 Drake, H. Mathurin, F.A., Zack, T., Schäfer, T., Roberts, N.M.W., Whitehouse, M.J., Karlsson, A., Broman, C., Åström, M.E. (2018). Incorporation of metals into calcite in a deep anoxic granite aquifer. *Environmental Science & Technology* 52 (2), 493-502.
- 537 Tichomirowa, M., Whitehouse, M.J., Gerdes, A., Schulz, B. (2018). Zircon (Hf, O isotopes) as melt indicator: Melt infiltration and abundant new zircon growth within melt rich layers of granulite-facies lenses versus solid-state recrystallization in hosting amphibolite-facies gneisses (Central Erzgebirge, Bohemian Massif). *Lithos* 302–303, 65-85.
- 536 Bellucci, J.J., Nemchin, A.A., Whitehouse, M.J., Snape, J.F., Bland, P., Benedix, G.K., Roszjar, J. (2018). Pb evolution in the Martian mantle. *Earth and Planetary Science Letters* 485, 79-87.
- 535 Slagstad, T., Roberts, N.M.W., Coint, N., Høy, I., Sauer, S., Kirkland, C.L., Marker, M., Røhr, T.S., Henderson, I.H.C., Stormoen, M.A., Skår, Ø., Sørensen, B.E., Bybee, G. (2018). Magma-driven, high-grade metamorphism in the Sveconorwegian Province, SW Norway during the terminal stages of Fennoscandian Shield evolution. *Geosphere* 14, 861-882.
- 534 Wiest, J.D., Jacobs, J., Ksienzyk, A.K., Fossen, H. (2018). Sveconorwegian vs. Caledonian orogenesis in the eastern Øygarden Complex, SW Norway – Geochronology, structural constraints and tectonic implications. *Precambrian Research* 305, 1-18.
- 533 Bellucci, J.J., Nemchin, A.A., Whitehouse, M.J., Kielman, R.B., Snape, J.F., Pidgeon, R.T. (2018). Geochronology of Hadean zircon grains from the Jack Hills, Western Australia constrained by quantitative scanning ion imaging. *Chemical Geology* 476, 469-480.
- 532 Qu, Y., Zhu, S., Whitehouse, M., Engdahl, A., McLoughlin, N. (2018). Carbonaceous biosignatures of the earliest putative macroscopic multicellular eukaryotes from 1630 Ma Tuanshanzi Formation, north China. *Precambrian Research* 304, 99-109.
- 531 Leat, P.T., Jordan, T.A., Flowerdew, M.J., Riley, T.R., Ferraccioli, F., Whitehouse, M.J. (2018). Jurassic high heat production granites associated with the Weddell Sea rift system, Antarctica. *Tectonophysics* 722, 249-264.
- 530 Cornell, D.H., Minnaar, H., Frei, D., Kristoffersen, M. (2018). Precise microbeam

dating defines three Archaean granitoid suites at the southwestern margin of the Kaapvaal Craton. *Precambrian Research* 304, 21-38.

- 528 Riley, T.R., Burton-Johnson, A., Flowerdew, M.J. & Whitehouse, M.J. (in press). Episodicity within a mid-Cretaceous magmatic flare-up in West Antarctica: U-Pb ages of the Lassiter Coast intrusive suite, Antarctic Peninsula and correlations along the Gondwana margin. *Geological Society of America, Bulletin*.
- 525 Kusiak, M.A., Dunkley, D.J., Whitehouse, M.J., Wilde, S.A., Sałacinska, A., Konečný, P., Szopa, K., Gawęda, A., Chew, D. (in press). Peak to post-peak thermal history of the Saglek Block of Labrador: A multiphase and multi-instrumental approach to geochronology. *Chemical Geology*.

Publication year 2017

- 529 Fassmer, K., Klonowska, I., Walczak, K., Andersson, B., Froitzheim, N., Majka, J., Fonseca, R.O.C., Mücker, C., Janák, M., Whitehouse, M.J. (2017). Middle Ordovician subduction of continental crust in the Scandinavian Caledonides - an example from Tjeliken, Seve Nappe Complex, Sweden. *Contributions to Mineralogy and Petrology* 172: 103.
- 527 Konopasek, J., Janoušek, V., Oyhantçabal, P., Sláma, J., Ulrich, S. (2017). Did the circum-Rodinia subduction trigger the Neoproterozoic rifting along the Congo-Kalahari Craton margin? *International Journal of Earth Sciences*.
- 526 Suikkanen, E., Rämö, O.T., (2017). Metasomatic alkali-feldspar syenites (episyenites) of the Proterozoic Suomenniemi rapakivi granite complex, southeastern Finland. *Lithos* 294-295, 1-19.
- 524 Kenny, G.G., Morales, L.F., Whitehouse, M.J., Petrus, J.A., Kamber, B.S. (2017). The formation of large neoblasts in shocked zircon and their utility in dating impacts. *Geology* 45, 1003-1006.
- 523 Kenny, G.G., Petrus, J.A., Whitehouse, M.J., Daly, J.S., Kamber, B.S. (2017). Hf isotope evidence for effective impact melt homogenisation at the Sudbury impact crater, Ontario, Canada. *Geochimica et Cosmochimica Acta* 215, 317-336.
- 522 Zhang, W., Pease, V., Meng, Q., Zheng, R., Wu, T. (2017). Age and petrogenesis of Mingshui-Shuangjingzi granites from the northern Beishan area, northwest China, and their implications for tectonic evolution. *Geosciences Journal* 21, 667-682.
- 521 Snape, J.F., Nemchin, A.A., Bellucci, J.J., Whitehouse, M.J. (2017). Pb isotopes in the impact melt breccia 66095: Association with the Imbrium basin and the isotopic composition of lithologies at the Apollo 16 landing site. *Chemical Geology* 466, 608-616.
- 520 Charles, J.-H., Whitehouse, M.J., Andersen, J.C.Ø., Shail, R.K., Searle, M.P. (2017). Age and petrogenesis of the Lundy granite: Palaeocene intraplate peraluminous

- magmatism in the Bristol Channel, UK. *Journal of the Geological Society of London* 175, 44-59.
- 519 Rydland Pedersen, L.-E., Staudigel, H., McLoughlin, N., Strauss, H., Whitehouse, M.J. (2017). A multiple sulfur isotope study through the volcanic section of the Troodos ophiolite. *Chemical Geology* 468, 49-62.
- 518 Bolhar, R., Hofmann, A., Kemp, A.I.S., Whitehouse, M.J., Wind, S., Kamber, B.S. (2017). Juvenile crust formation in the Zimbabwe Craton deduced from the O-Hf isotopic record of 3.8-3.0 Ga detrital zircons. *Geochimica et Cosmochimica Acta* 215, 432-446.
- 517 Whitehouse, M.J., Nemchin, A.A., Pidgeon, R.T. (2017). What can Hadean detrital zircon really tell us? A critical evaluation of their geochronology with implications for the interpretation of oxygen and hafnium isotopes. *Gondwana Research* 51, 78-91.
- 516 Menneken, M., Geisler, T., Nemchin, A.A., Whitehouse, M.J., Wilde, S.A., Gasharova, B., Pidgeon, R.T. (2017). CO₂ fluid inclusions in Jack Hills zircons. *Contributions to Mineralogy and Petrology* 172, 66.
- 515 Bolland, J., Connelly, J.N., Whitehouse, M.J., Pringle, E.A., Bonal, L., Jørgensen, J.K., Nordlund, Å., Moynier, F., Bizzarro, M. (2017). Early formation of planetary building blocks inferred from Pb isotopic ages of chondrules. *Science Advances* 3, e1700407.
- 514 Westhues, A., Hanchar, J.M., Voisey, C.R., Whitehouse, M.J., Rossman, G.R., Wirth, R. (2017) Tracing the fluid evolution of the Kiruna iron oxide apatite deposits using zircon, monazite, and whole rock trace elements and isotopic studies. *Chemical Geology* 466, 303-322.
- 513 Fritschle, T., Daly, J.S., Whitehouse, M.J., McConnell, B., Buhre, S. (2017) Multiple intrusive phases in the Leinster Batholith, Ireland: geochronology, isotope geochemistry and constraints on the deformation history. *Journal of the Geological Society of London*
- 512 Ripa, M., Kampmann, T.C., Hellström, F.A. (2017) SIMS U-Pb zircon geochronology at the Kuså Ni-Cu deposit, south-central Sweden. *GFF* 139, 233-240.
- 511 Drake, H., Ivarsson, M., Bengtson, S., Heim, C., Siljeström, S., Whitehouse, M.J., Broman, C., Belivanova, V., Åström, M.E. (2017). Anaerobic consortia of fungi and sulfate reducing bacteria in deep granite fractures. *Nature Communications* 8, 55.
- 510 Jarrar, G.H., Stern, R.J., Theye, T., Yaseen, N., Pease, V., Miller, N., Ibrahim, K.M., Passchier, C.W., Whitehouse, M. (2017). Neoproterozoic Rosetta Gabbro from northernmost Arabian-Nubian Shield, south Jordan: Geochemistry and petrogenesis. *Lithos* 284–285, 545–559.

- 509 Drake, H., Heim, C., Roberts, N.M.W., Zack, T., Tillberg, M., Broman, C., Ivarsson, M., Whitehouse, M.J., Åström, M.E. (2017). Isotopic evidence for microbial production and consumption of methane in the upper continental crust throughout the Phanerozoic eon. *Earth and Planetary Science Letters* 470, 108-118.
- 508 Gottlieb, E.S., Pease, V., Miller, E.L. & Akinin, V.V. (in press). Neoproterozoic basement history of Wrangel Island and Arctic Chukotka: Integrated insights from zircon U-Pb, O, and Hf isotopic studies. *Geological Society of London Special Publication* 460, 183-206.
- 507 Ward, D., Bischoff, A., Roszjar, J., Berndt, J., Whitehouse, M.J. (2017). Trace element inventory of meteoritic Ca-phosphates. *American Mineralogist* 102, 1856-1880.
- 506 Gnos, E., Janots, E., Berger, A., Whitehouse, M., Walter, F., Pettke, T., Bergemann, C. 2015. Age of cleft monazites in the eastern Tauern Window: constraints on crystallization conditions of hydrothermal monazite. *Swiss Journal of Geosciences* 108, 55-74.
- 505 Gardiner, N.J., Robb, L.J., Morley, C.K., Searle, M.P., Cawood, P.A., Whitehouse, M.J., Kirkland, C.L., Roberts, N.M.W. & Myint, T.A. (2016). The tectonic and metallogenic framework of Myanmar: a Tethyan mineral system. *Ore Geology Reviews* 79, 26-45.
- 504 Qu, Y., Wang, J., Xiao, S., Whitehouse, M., Engdahl, A., Wang, G., McLoughlin, N. (2017). Carbonaceous biosignatures of diverse chemotrophic microbial communities from chert nodules of the Ediacaran Doushantuo Formation. *Precambrian Research* 290, 184-196.
- 503 Weibel, R., Lindström, S., Pedersen, G.K., Johansson, L., Dybkjær, K., Whitehouse, M.J., Boyce, A.J. and Leng, M.J. (2016). Groundwater table fluctuations recorded in zonation of microbial siderites from end-Triassic strata. *Sedimentary Geology* 342, 47-65.
- 502 Sarlus, Z., Andersson, U.B., Bauer, T.E., Wanhanen, C., Martinsson, O., Nordin, R., Andersson, J.B.H. (2017). Timing of plutonism in the Gällivare area; implications for Proterozoic crustal development in the northern Norrbotten ore district, Sweden. *Geological Magazine*, 1-26.
- 501 Eichner, M.J., Klawonn, I., Wilson, S.T., Littmann, S., Whitehouse, M.J., Church, M.J., Kuypers, M.M.M., Karl, D.M., Ploug, H. (2017). Chemical microenvironments and single-cell carbon and nitrogen uptake in field-collected colonies of *Trichodesmium* under different pCO₂. *The ISME Journal* 11, 1305-1317.
- 500 Rose-Koga, E.F., Koga, K.T., Moreira, M., Vlastélic, I., Jackson, M.G., Whitehouse, M.J., Shimizu, N., Habib, N. (2017). Geochemical systematics of Pb isotopes, fluorine, and sulfur in melt inclusions from São Miguel, Azores. *Chemical Geology* 485, 22-37.

- 499 Ng, S.W.P., Whitehouse, M.J., Roselee, M.H., Teschner, C., Murtadha, S., Oliver, G.J., Ghani, A.A., Chang, S.C. (2017). Late Triassic granites from Bangka, Indonesia: a continuation of the Main Range granite province of the South-East Asian Tin Belt. *Journal of Asian Earth Sciences* 138, 548–561.
- 498 Ng, S.W.P., Whitehouse, M.J., Tam, P.Y., Jayasingha, P., Wong, J.P.-M., Denyszyn, S., Yiu, J.S.-Y., Chang, S.-C. (2017). Ca. 820-640 Ma SIMS U-Pb age signal in the peripheral Vijayan Complex, Sri Lanka: Identifying magmatic pulses in the assembly of Gondwana. *Precambrian Research* 294, 244-256.
- 497 Beckman, V., Möller, C., Söderlund, U., Andersson, J. (2017). Zircon growth during progressive metamorphic recrystallization of gabbro to garnet amphibolite, Eastern Segment, Sveconorwegian orogen. *Journal of Petrology* 58, 167-187.
- 496 van der Meer, Q.H.A., Waight, T.E., Whitehouse, M.J., Andersen, T. (2017). Age and petrogenetic constraints on the Lower Glassy Ignimbrite of the Mount Somers Volcanic Group, New Zealand. *New Zealand Journal of Geology and Geophysics* 60, 209-219.
- 495 Gallagher, M., Whitehouse, M.J., Kamber, B.S. (2017). The Neoarchaean surficial sulphur cycle: an alternative hypothesis based on analogies with 20th century atmospheric lead. *Geobiology* 15, 385-400.
- 494 Gardiner, N.J., Hawkesworth, C.J., Robb, L.J., Whitehouse, M.J., Roberts, N.M.W., Kirkland, C.L., Evans, N.J. (2017). Contrasting granite metallogeny through the zircon record: A case study from Myanmar. *Scientific Reports* 7, 748.
- 493 Westhues, A., Hanchar, J.M., LeMessurier, M.J., Whitehouse, M.J. (2017). Evidence for hydrothermal alteration and source regions for the Kiruna iron oxide apatite ore from zircon Hf and O isotopes. *Geology* 45, 571-574.
- 492 Pease, V., Miller, E., Wyld, S., Sokolov, S., Akinin, V., Wright, J. (in press.) U-Pb zircon geochronology of Cretaceous arc magmatism in eastern Chukotka, northeast Russia, with implications for Pacific plate subduction and the opening of the Amerasia Basin. *Geological Society of London Special Publication* 460, 158-182.
- 491 Merle, R.E., Nemchin, A.A., Whitehouse, M.J., Pidgeon, R.T., Grange, M.L., Snape, J.F., Thiessen, F. (2017). Origin and transportation history of lunar breccia 14311. *Meteoritics and Planetary Science* 52, 842-858.
- 490 Dunkel, K.G., Austrheim, H., Renard, F., Cordonnier, B., Jamtveit (2017). Localized slip controlled by dehydration embrittlement of partly serpentинized dunites, Leka Ophiolite Complex, Norway. *Earth and Planetary Science Letters* 463, 277-285.
- 489 Petersson, A., Scherstén, A., Gerdes, A. (in press). Extensive reworking of Archaean crust within the Birimian terrane in Ghana as revealed by combined zircon U-Pb and Lu-Hf isotopes. *Geoscience Frontiers*, 173-189.
- 488 Hoiland, C.W., Miller, E.L., Pease, V., Hourigan, J.K. (in press). Detrital zircon U-Pb

geochronology and Hf isotope geochemistry of metasedimentary strata in the southern Brooks Range: Constraints on Neoproterozoic–Cretaceous evolution of Arctic Alaska. *Geological Society of London Special Publication* 460, 121-158.

- 487 Bellucci, J.J., Snape, J.F., Whitehouse, M.J., Nemchin, A.A. (2017). Direct Pb isotopic analysis of a nuclear fallout debris particle from the Trinity nuclear test. *Analytical Chemistry* 89, 1887-1891.
- 486 Budd, D.A., Troll, V.R., Deegan, F.M., Jolis, E.M., Smith, V.C., Whitehouse, M.J., Harris, C., Freda, C., Hilton, D.R., Halldórsson, S.A., Bindeman, I.N. (2017). Magma reservoir dynamics at Toba caldera, Indonesia, recorded by oxygen isotope zoning in quartz. *Scientific Reports* 7, 40624.
- 485 Fisher, C.M., Hanchar, J.M., Miller, C.F., Phillips, S., Vervoort, J.D., Whitehouse, M.J. (2017). Combining Nd isotopes in monazite and Hf isotopes in zircon to understand complex open-system processes in granitic magmas. *Geology* 45, 267-270.
- 484 Shumlyanskyy, L., Hawkesworth, C., Billström, K., Bogdanova, S., Mytrokhyn, O., Dhuime, B., Claesson, S., Ernst, R., Whitehouse, M., Bilan, O. (2017). The origin of the Palaeoproterozoic AMCG complexes in the Ukrainian Shield: new U-Pb ages and Hf isotopes in zircon. *Precambrian Research* 292, 216-239.
- 483 Galić, A., Mason, P.R.D., Mogollón, J.M., Wolthers, M., Vroon, P.Z., Whitehouse, M.J. (2017). Pyrite in a sulfate-poor Paleoarchean basin was derived predominantly from elemental sulfur: evidence from 3.2 Ga sediments in the Barberton Greenstone Belt, Kaapvaal Craton. *Chemical Geology* 449, 135-146.
- 482 Thiessen, F., Nemchin, A.A., Snape, J.F., Whitehouse, M.J., Bellucci, J.J. (2017). Impact history of the Apollo 17 landing site revealed by U-Pb SIMS ages. *Meteoritics and Planetary Science* 52, 584-611.
- 481 Käpyaho, A., Molnár, F., Sorjonen-Ward, P., Mänttäri, I., Sakellaris, G., Whitehouse, M.J. (2017). New U-Pb age constraints for the timing of gold mineralization at the Pampalo gold deposit, Archaean Hattu schist belt, Eastern Finland, obtained from hydrothermally altered and recrystallised zircon. *Precambrian Research* 289, 48-61.
- 477 Bellucci, J.J., Whitehouse, M.J., John, T., Nemchin, A.A., Snape, J.F., Bland, P.A., Benedix, G.K. (2017). Halogen and Cl isotopic systematics in Martian phosphates: Implications for the Cl cycle and surface halogen reservoirs on Mars. *Earth and Planetary Science Letters* 458, 192-202.
- 476 Sarafian, A.R., John, T., Roszjar, J., Whitehouse, M.J. (2017). Chlorine and hydrogen degassing in Vesta's magma ocean: *Earth and Planetary Science Letters* 459, 311-319.
- 473 Panieri, G., Lepland, A., Whitehouse, M.J., Wirth, R., Raanes, M.P., James, R.H., Graves, C.A., Crémère, A., Schneider, A. (2017). Diagenetic Mg-calcite overgrowths on foraminiferal tests in the vicinity of methane seeps. *Earth and*

Planetary Science Letters 458, 203-212.

- 472 Riley, T.R., Flowerdew, M.J., Pankhurst, R.J., Curtis, M.L., Millar, I.L., Fanning, C.M., Whitehouse, M.J. (2017). Early Jurassic magmatism on the Antarctic Peninsula and potential correlation with the Subcordilleran plutonic belt of Patagonia. *Journal of the Geological Society* 174, 365-376.
- 471 Dey, S., Halla, J., Kurhila, M., Nandy, J., Heilimo, E., Pal, S. (2017). Geochronology of Neoarchaean granitoids of the NW eastern Dharwar craton: implications for crust formation. *Geological Society of London Special Publication* 449, 89-121.
- 470 Mikkola, P., Heilimo, E., Halkoaho, T., Käpyaho, A. (2017). The tectonomagmatic significance of Neoarchaean variably alkali-enriched gabbro and diorite intrusions of the western Karelia Province. *Geological Society of London Special Publication* 449, 39-60.
- 469 Batuk Joshi, K., Bhattacharjee, J., Rai, G., Halla, J., Ahmad, T., Kurhila, M., Heilimo, E., Choudhary, A.K. (2017). The diversification of granitoids and plate tectonic implications at the Archaean–Proterozoic boundary in the Bundelkhand Craton, Central India. *Geological Society of London Special Publication* 449, 123-157.
- 467 Woodard, J., Tuisku, P., Kärki, A., Lahaye, Y., Majka, J., Huhma, H., Whitehouse, M.J. (2017). Zircon and monazite geochronology of deformation in the Pielavesi Shear Zone, Finland: multistage evolution of the Archaean–Proterozoic boundary in the Fenoscandian Shield. *Journal of the Geological Society* 174, 255-267.
- 459 Riley, T.R., Flowerdew, M.J., Pankhurst, R.J., Leat, P.T., Millar, I.L., Fanning, C.M., Whitehouse, M.J. (2017). A revised geochronology of Thurston Island, West Antarctica and correlations along the proto-Pacific margin of Gondwana. *Antarctic Science* 29, 47-60.
- 453 Pidgeon, R.T., Nemchin, A.A., Whitehouse, M.J. (2017). The effect of weathering on U–Th–Pb and oxygen isotope systems of ancient zircons from the Jack Hills, Western Australia. *Geochimica et Cosmochimica Acta* 197, 142-166.

Publication year 2016

- 480 Pidgeon, R.T., Merle, R.E., Grange, M.L., Nemchin, A.A., Whitehouse, M.J. (2016). Annealing of radiation damage in zircons from Apollo 14 impact breccia 14311: Implications for the thermal history of the breccia. *Meteoritics and Planetary Science* 51, 155-166.
- 479 Deegan, F.M., Whitehouse, M.J., Troll, V.R., Budd, D.A., Harris, C., Geiger, H., Hålenius, U. (2016). Pyroxene standards for SIMS oxygen isotope analysis and their application to Merapi volcano, Sunda arc, Indonesia. *Chemical Geology* 447, 1-10.

- 478 Westhues, A., Hanchar, J.M., Whitehouse, M.J., Martinsson, O. (2016). New Constraints on the timing of host-rock emplacement, hydrothermal alteration, and iron oxide-apatite mineralization in the Kiruna district, Norrbotten, Sweden. *Economic Geology* 111, 1595-1618.
- 475 Fleming, E.J., Flowerdew, M., Smyth, H.R., Scott, R.A., Morton, A.C. Omma, J.E., Frei, D., Whitehouse, M.J. (2016). Provenance of Triassic sandstones on the southwest Barents Shelf and the implication for sediment dispersal patterns in northwest Pangaea. *Marine and Petroleum Geology* 78, 516-535.
- 474 Klawonn, I., Nahar, N., Walve, J., Andersson, B., Olofsson, M., Svedén, J. B., Littmann, S., Whitehouse, M.J., Kuypers, M.M.M., Ploug, H. (2016). Cell-specific nitrogen- and carbon-fixation of cyanobacteria in a temperate marine system (Baltic Sea). *Environmental Microbiology* 18, 4596-4609.
- 466 Snape, J.F., Nemchin, A.A., Bellucci, J.J., Whitehouse, M.J., Tartèse, R., Barnes, J.J., Anand, M., Crawford, I.A., Joy, K.H. (2016). Lunar basalt chronology, mantle differentiation and implications for determining the age of the Moon. *Earth and Planetary Science Letters* 451, 149-158.
- 465 Lahtinen, R., Huhma, H., Lahaye, Y., Lode, S., Heinonen, S., Sayab, M., Whitehouse, M.J. (2016). Paleoproterozoic magmatism across the Archean-Proterozoic boundary in central Fennoscandia: Geochronology, geochemistry and isotopic data (Sm-Nd, Lu-Hf, O). *Lithos* 262, 507-525.
- 464 Roszjar, J., Whitehouse, M.J., Srinivasan, G., Mezger, K., Scherer, E.E., Van Orman, J.A., Bischoff, A. (2016). Prolonged magmatism on 4 Vesta inferred from Hf-W analyses of eucrite zircon. *Earth and Planetary Science Letters* 452, 216-226.
- 463 Deegan, F.M., Troll, V.R., Whitehouse, M.J., Jolis, E.M., Freda, C. (2016). Boron isotope fractionation in magma via crustal carbonate dissolution. *Scientific Reports* 6: 30774.
- 462 Johansson, Å., Stephens, B. (2016). Timing of magmatism and migmatization in the 2.0-1.8 Ga accretionary Svecokarelian orogen, south-central Sweden. *International Journal of Earth Sciences*.
- 461 Whitehouse, M.J., Pease, V., Al Khirbashi, S.A. (2016). Neoproterozoic crustal growth at the margin of the East Gondwana continent - age and isotopic constraints from the easternmost inliers of Oman. *International Geology Review* 58, 2046-2064.
- 460 Nikkilä, K., Mänttäri, I., Nironen, M., Eklund, O., Korja, A. (2016). Three stages to form a large batholith after terrane accretion - an example from the Svecofennian orogen. *Precambrian Research* 281, 618-638.
- 456 Yeshanew, F.G., Pease, V., Abdelsalam, M.G., Whitehouse, M.J. (2016). Zircon U-Pb ages, $\delta^{18}\text{O}$ and whole-rock Nd isotopic compositions of the Dire Dawa Precambrian basement, eastern Ethiopia: implications for the assembly of Gondwana. *Journal of the Geological Society* 174, 142-156.

- 455 Bellucci, J.J., Whitehouse, M.J., Nemchin, A.A., Snape, J.F., Pidgeon, R.T., Grange, M., Reddy, S.M., Timms, N.E. (2016). A scanning ion imaging investigation into the micron-scale U-Pb systematics in a complex lunar zircon. *Chemical Geology* 438, 112-122.
- 454 Nikogosian, I., Ersoy, Ö., Whitehouse, M., Mason, P.R.D., de Hoog, J.C.M., Wortel, R., van Bergen, M.J. (2016). Multiple subduction imprints in the mantle below Italy detected in a single lava flow. *Earth and Planetary Science Letters* 449, 12-19.
- 452 Roerdink, D.L., Mason, P.R.D., Whitehouse, M.J., Brouwer, F.M. (2016). Reworking of atmospheric sulfur in a Paleoarchean hydrothermal system at Londozi, Barberton Greenstone Belt, Swaziland. *Precambrian Research* 280, 195-204.
- 451 Lundmark, A.M., Lamminen, J. (2016). The provenance and setting of the Mesoproterozoic Dala Sandstone, western Sweden, and paleogeographic implications for southwestern Fennoscandia. *Precambrian Research* 275, 197-208.
- 450 Kotková, J., Whitehouse, M.J., Schaltegger, U., D'Abzac, F.-X. (2016). The fate of zircon during UHT–UHP metamorphism: isotopic (U/Pb, δ¹⁸O, Hf) and trace element constraints. *Journal of Metamorphic Geology* 34, 719-739.
- 449 Kenny, G.G., Whitehouse, M.J., Kamber, B.S. (2016). Differentiated impact melt sheets may be a potential source of Hadean detrital zircon. *Geology* 44, 435-438.
- 448 Lehtonen, E., Heilimo, E., Halkoaho, T., Hölttä, P., Huhma, H. (2016). The temporal variation of Mesoarchaean volcanism in the Suomussalmi greenstone belt, Karelia Province, Eastern Finland. *International Journal of Earth Sciences*.
- 447 Crémère, A., Lepland, A., Chand, S., Sahy, D., Kirsimäe, K., Bau, M., Whitehouse, M.J., Noble, S.R., Martma, T., Thorsnes, T., Brunstad, H. (2016). Fluid source and methane-related diagenetic processes recorded in cold seep carbonates from the Alvheim channel, central North Sea. *Chemical Geology* 432, 16-33.
- 446 Konopásek, J., Sláma, J., Košler, J. (2016). Linking the basement geology along the Africa-South America coasts in the South Atlantic: *Precambrian Research* 280, 221-230.
- 445 Cornell, D., Zack, T., Anderson, T., Corfu, F., Frie, D., van Schijndel, V. (2016). Th-U-Pb zircon geochronology of the Palaeoproterozoic Hartley Formation porphyry by six methods, with age uncertainty approaching 1 Ma. *South African Journal of Geology* 119, 473-494.
- 444 Hellström, F.A., Bergman, S. (2016). Is there a 1.85 Ga magmatic event in northern Norrbotten? – U-Pb SIMS zircon dating of the Pingisvaara metagranodiorite and the Jyryjoki granite, northern Sweden. *GFF* 138, 526-532.
- 443 Kampmann, T.C., Stephens, M.B., Ripa, M., Hellström, F.A., Majka, J. (2016). Time constraints on magmatism, mineralisation and metamorphism at the Falun base

- metal sulphide deposit, Sweden, using U–Pb geochronology on zircon and monazite. *Precambrian Research* 278, 52–68.
- 442 Niu, D., Renock, D., Whitehouse, M., Leone, J., Rowe, H., Landis, J., Hamren, K., Symcox, C. W., Sharma, M. (2016). A relict sulfate–methane transition zone in the mid-Devonian Marcellus Shale. *Geochimica et Cosmochimica Acta* 182, 73–87.
- 441 Sahlstedt, E., Karhu, J.A., Pitkänen, P., Whitehouse, M.J. (2016). Biogenic processes in crystalline bedrock fractures indicated by carbon isotope signatures of secondary calcite. *Applied Geochemistry* 67, 30–41.
- 440 Kirkland, C.L., Erickson, T.M., Johnson, T.E., Danišík, M., Evans, N.J., Bourdet, J., McDonald, B.J. (2016). Discriminating prolonged, episodic or disturbed monazite age spectra: An example from the Kalak Nappe Complex, Arctic Norway. *Chemical Geology* 424, 96–110.
- 439 Heinonen, A., Mänttäri, I., Rämö, O.T., Andersen, T., Larjamo, K. (2016). A priori evidence for zircon antecrust entrainment in megacrystic Proterozoic granites. *Geology* 44, 227–230.
- 438 Johansson, Å. (2016). U-Pb SIMS dating of some granitoids from eastern Blekinge, southern Sweden. *GFF* 138, 430–444.
- 437 Abu El-Enen, M.M., Abu-Alam, T.S., Whitehouse, M.J., Ali, K.A., Okrusch, M. (2016). P–T path and timing of crustal thickening during amalgamation of East and West Gondwana: A case study from the Hafafit Metamorphic Complex, Eastern Desert of Egypt. *Lithos* 263, 213–238.
- 436 Sirevaag, H., Jacobs, J., Ksienzyk, A.K., Rocchi, S., Paoli, G., Jørgensen, H., Košler, J. (2016). From Gondwana to Europe: The journey of Elba Island (Italy) as recorded by U–Pb detrital zircon ages of Paleozoic metasedimentary rocks. *Gondwana Research* 38, 273–288.
- 435 Zhang, W., Pease, V., Meng, Q., Zheng, R., Wu, T., Chen, Y., Gan, L. (2016). Age and petrogenesis of late Paleozoic granites from the northernmost Alxa region, northwest China, and implications for the tectonic evolution of the region. *International Journal of Earth Sciences*.
- 432 Lehtonen, E.S.-L., Käpyaho, A. (2016). A small Archaean belt — diverse age ensemble: A U–Pb study of the Tipasjärvi greenstone belt, Karelia Province, central Fennoscandian Shield, Finland. *Lithos* 246–247, 31–47.
- 431 Petersson, A., Scherstén, A., Kristinsdóttir, B., Kemp, A.I.S., Kalvig, P., Anum, S. (2016). Zircon U–Pb–Hf evidence for reworking of Archaean crust within the Birimian Palaeoproterozoic source rocks of the West African Craton, SE Ghana. *Precambrian Research* 275, 286–309.
- 430 Brengman, L.A., Fedo, C.M., Whitehouse, M.J. (2016). Micro-scale silicon isotope heterogeneity observed in hydrothermal quartz precipitates from the >3.7 Ga Isua Greenstone Belt, SW Greenland. *Terra Nova* 28, 70–75.

- 428 Snape, J.F., Nemchin, A.A., Grange, M.L., Bellucci, J.J., Thiessen, F., Whitehouse, M.J. (2016). Phosphate ages in Apollo 14 breccias: Resolving multiple impact events with high precision U-Pb SIMS analyses. *Geochimica et Cosmochimica Acta* 174, 13-29.
- 427 Bellucci, J.J., Nemchin, A.A., Whitehouse, M.J., Snape, J.F., Kielman, R.B., Bland, P.A., Beneditx, G.K. (2016). A Pb isotopic resolution to the Martian meteorite age paradox. *Earth and Planetary Science Letters* 433, 241–248.
- 426 Shumlyanskyy, L., Nosova, A., Billström, K., Söderlund, U., Andréasson, P.-G., Kuzmenkova, O. (2016) The U–Pb zircon and baddeleyite ages of the Neoproterozoic Volyn Large Igneous Province: implication for the age of the magmatism and the nature of a crustal contaminant. *GFF* 138, 17-30.
- 425 Vihtakari, M., Renaud, P., Clarke, L.J., Whitehouse, M.J., Hop, H., Carroll, M.L., Ambrose, W. (2016). Decoding the oxygen isotope signal for seasonal growth patterns in Arctic bivalves. *Palaeogeography, Palaeoclimatology, Palaeoecology* 446, 263-283.
- 424 Gardiner, N.J., Roberts, N.M.W., Morley, C.K., Searle, M.P., Whitehouse, M.J. (2016). Did Oligocene crustal thickening precede basin development in Northern Thailand? A geochronological reassessment of Doi Inthanon and Doi Suthep. *Lithos* 240-243, 69-83.
- 423 Claesson, S., Bibikova, E.V., Shumlyanskyy, L., Whitehouse, M.J., Billström, K. (2016). Can oxygen isotopes in magmatic zircon be modified by metamorphism? A case study from the Eoarchean Dniester-Bug Series, Ukrainian Shield. *Precambrian Research* 273, 1-184.
- 421 Lehtonen, E. S-L., Heilimo, E., Halkoaho, T., Käpyaho, A., Hölttä, P. (2016). U–Pb geochronology of Archaean volcanic-sedimentary sequences in the Kuhmo greenstone belt, Karelia Province – Multiphase volcanism from Meso- to Neoarchaean and a eoarchaean depositional basin? *Precambrian Research* 275, 48-69.
- 418 Zhang, W., Roberts, D., Pease, V. (2016). Provenance of sandstones from Caledonian nappes in Finnmark, Norway: Implications for Neoproterozoic–Cambrian palaeogeograph. *Tectonophysics* 691, 198-205.
- 416 Engvik, A.K., Bingen, B., Solli, A. (2016). Localized occurrences of granulite: P-T modeling, U-Pb geochronology and distribution of early-Sveconorwegian high-grade metamorphism in Bamble, South Norway. *Lithos* 240-243, 84-103.
- 413 Petrus, J.A., Kenny, G.G., Ayer, J.A., Lightfoot, P.C., Kamber, B.S. (2016). Uranium–lead zircon systematics in the Sudbury impact crater-fill: implications for target lithologies and crater evolution. *Journal of the Geological Society* 173, 59-75.
- 407 Adam, B., Klawonn, I., Svedén, J.B., Bergkvist, J., Nahar, N., Walve, J., Littmann,

S., Whitehouse, M.J., Lavik, Kuypers, M.M.M., Ploug, H. (2016). N₂-fixation, ammonium release, and N-transfer to the microbial and classical food web within a plankton community. *The ISME Journal* 10, 450-459.

- 403 Gardiner, N.J., Searle, M.P., Morley, C.K., Whitehouse, M.J., Spencer, C.J., Robb, L.J. (2016). The closure of Palaeo-Tethys in Eastern Myanmar and Northern Thailand: New insights from zircon U-Pb and Hf isotope data. *Gondwana Research* 39, 401-422.

Publication year 2015

- 458 Slagstad, T., Willemoes-Wissing, B., Coint, N., Stampolidis, A., Ganerød, M., Ofstad, F. (2015). Geology and metallogenic potential of the north westernmost Norrbotten Province around Altevatn in Troms, northern Norway. *Norwegian Journal of Geology* 95, 445-466.
- 457 Bingen, B., Solli, A., Viola, G., Torgersen, E., Sandstad, J.S., Whitehouse, M.J., Røhr, T., Ganerød, M., Nasuti, A. (2015). Geochronology of the Palaeoproterozoic Kautokeino Greenstone Belt, Finnmark, northern Norway: Tectonic implications in a Fennoscandia context: *Norwegian Journal of Geology* 95, 365-396.
- 433 Coint, N., Slagstad, T., Roberts, N.M.W., Marker, M., Røhr, T., Sørensen, B.E. (2015). The Late Mesoproterozoic Sirdal Magmatic Belt, SW Norway: Relationships between magmatism and metamorphism and implications for Sveconorwegian orogenesis. *Precambrian Research* 265, 57-77.
- 429 Bellucci, J.J., Nemchin, A.A., Whitehouse, M.J., Snape, J.F., Bland, P.A., Benedix, G.K. (2015). The Pb isotopic evolution of the Martian mantle constrained by initial Pb in Martian meteorites. *Journal of Geophysical Research: Planets* 120, 2224-2240.
- 422 Svedén, J., Adam, B., A., Walve, J.; Nahar, N., Musat, N., Lavik, G., Whitehouse, M.J., Kuypers, M., Ploug, H. (2015). High cell-specific rates of nitrogen and carbon fixation by the cyanobacterium *Aphanizomenon* sp. at low temperatures in the Baltic Sea. *FEMS Microbiology Ecology* 91, fiv131.
- 420 Kusebauch, C., John, T., Whitehouse, M.J., Engvik, A. (2015). Apatite as probe for the halogen composition of metamorphic fluids (Bamble Sector, SE Norway). *Contributions to Mineralogy and Petrology* 170: 34.
- 419 Kusebauch, C., John, T., Whitehouse, M.J., Klemme, S., Putnis, A. (2015). Distribution of halogens between fluid and apatite during fluid-mediated replacement processes. *Geochimica et Cosmochimica Acta* 170, 1-18.
- 417 Virtasalo, J.J., Laitala, J.J., Lahtinen, R., Whitehouse, M.J. (2015). Pyritic event beds and sulfidized Fe (oxyhydr) oxide aggregates in metalliferous black mudstones of the Paleoproterozoic Talvivaara formation, Finland. *Earth and Planetary Science Letter* 432, 449-460.

- 415 Melezhik, V.A., Bingen, B., Sandstad, J.S., Pokrovsky, B.G., Solli, A., Fallick, A.E. (2015). Sedimentary-volcanic successions of the Alta–Kvænangen Tectonic Window in the northern Norwegian Caledonides: Multiple constraints on deposition and correlation with complexes on the Fennoscandian Shield. *Norwegian Journal of Geology* 95, 245-284.
- 414 Hansen, E., Johansson, L., Andersson, J., LaBarge, L., Harlov, D., Möller, C., Vincent, S. (2015). Partial melting in amphibolites in a deep section of the Sveconorwegian Orogen, SW Sweden. *Lithos* 236-237, 27-45.
- 412 Zhang, W., Roberts, D., Pease, V. (2015). Provenance characteristics and regional implications of Neoproterozoic, Timanian-margin successions and a basal Caledonian nappe in northern Norway. *Precambrian Research* 268, 153-167.
- 411 McKay C.L., Groeneveld, J., Filipsson, H.L., Gallego-Torres, D., Whitehouse, M.J., Toyofuku, T., Romero O.E. (2015). A comparison of benthic foraminiferal Mn/Ca and sedimentary Mn/Al as proxies of relative bottom-water oxygenation in the low-latitude NE Atlantic upwelling system. *Biogeosciences* 12, 5415-5428.
- 410 Zhang, W., Pease, V., Meng, Q., Zheng, R., Thomsen, T.B., Wohlgemuth-Ueberwasser, C., Wu, T. (2015). Timing, petrogenesis, and setting of granites from the southern Beishan late Palaeozoic granitic belt, Northwest China and implications for their tectonic evolution. *International Geology Review* 57, 1975-1991.
- 409 Rämö, O.T., Mämttäri, I. (2015). Geochronology of the Suomenniemi rapakivi granite complex revisited: Implications of point-specific errors on zircon U-Pb and refined λ_{87} on whole-rock Rb-Sr. *Bulletin of the Geological Society of Finland* 87, 25–46.
- 408 Yeshanew, F.G., Pease, V., Whitehouse, M.J., Al-Khirbashi, S. (2015). Zircon U-Pb geochronology and Nd isotope systematics of the Abas terrane, Yemen: Implications for Neoproterozoic crust reworking events. *Precambrian Research* 267, 106-120.
- 406B Llamas, A.P., Andersson, J., Möller, C., Johansson, L., Hansen, E. (2015). Polyphasic foreland-vergent deformation in a deep section of the 1 Ga Sveconorwegian orogen. *Precambrian Research* 265, 121-149.
- 406 Ershova, V. B., Lorenz, H., Prokopiev, A.V., Sobolev, N. N., Khudoley, A. K., Petrov, E.O., Estrada, S., Sergeev, S., Larionov, A., Thomsen, T. B. (2015). The De Long Islands: The missing link for unraveling Paleozoic paleogeography of the Arctic. *Gondwana Research* 35, 305-322.
- 405 Stephens, M.B., Andersson, J. (2015). Migmatization related to mafic underplating and intra- or back-arc spreading above a subduction boundary in a 2.0–1.8 Ga accretionary orogen, Sweden. *Precambrian Research* 264, 235-257.
- 404 Gasser, D., Jeřábek, P., Faber, C., Stünitz, H., Menegon, L., Corfu, F., Erambert, M.,

- Whitehouse, M.J. (2015). Behaviour of geochronometers and timing of metamorphic reactions during deformation at lower crustal conditions: phase equilibrium modelling and U–Pb dating of zircon, monazite, rutile and titanite from the Kalak Nappe Complex, northern Norway. *Journal of Metamorphic Geology* 33, 513-534
- 402 Drake, H., Tullborg, E.-L., Whitehouse, M., Sandberg, B., Blomfeldt, T., Åström, M.E. (2015). Extreme fractionation and micro-scale variation of sulphur isotopes during bacterial sulphate reduction in deep groundwater systems. *Geochimica et Cosmochimica Acta* 161, 1-18.
- 401 Jacobs, J., Elburg, M., Laeufer, A., Kleinhanns, I., Henjes-Kunst, F., Estrada, S., Ruppel, A., Damaske, D., Montero, P., Bea, F. (2015). Two distinct Late Mesoproterozoic/Early Neoproterozoic basement provinces in central/eastern Dronning Maud Land, East Antarctica: the missing link, 15–21°E. *Precambrian Research* 265, 249-272.
- 400 Ulmius, J., Andersson, J., Möller, C. (2015). Hallandian 1.45 Ga high-temperature metamorphism in Baltica: P–T evolution and SIMS U–Pb zircon ages of aluminous gneisses, SW Sweden. *Precambrian Research* 265, 10-39.
- 399 Scheiber, T., Viola, G., Bingen, B., Peters, M., Solli, A. (2015). Multiple reactivation and strain localization along a Proterozoic crustal-scale deformation zone: the Kongsberg–Telemark boundary in southern Norway revisited. *Precambrian Research* 265, 78-103.
- 398 Petersson, A., Scherstén, A., Bingen, B., Gerdes, A., Whitehouse, M.J. (2015). Mesoproterozoic continental growth: U-Pb-Hf-O zircon record in the Idefjorden Terrane, Sveconorwegian Orogen. *Precambrian Research* 261, 75-95.
- 397 Drake, H., Åström, M.E., Heim, C., Broman, C., Åström, J., Whitehouse, M., Ivarsson, M., Siljeström, S., Sjövall (2015). Extreme ^{13}C depletion of carbonates formed during oxidation of biogenic methane in fractured granite. *Nature Communications* 6: 7020.
- 396 Colliston, W.P., Cornell, D.H., Schoch, A.E., Praekelt, H.E. (2015). Geochronological constraints on the Hartbees River Thrust and Augrabies Nappe: New insights into the assembly of the Mesoproterozoic Namaqua-Natal Province of Southern Africa. *Precambrian Research* 265, 150-165.
- 395 Lahtinen, R., Huhma, H., Lahaye, Y., Kousa, J., Luukas, J. (2015) Archean-Proterozoic collision boundary in central Fennoscandia: revisited. *Precambrian Research* 261, 127-165.
- 394 Sláma, J. & Pedersen, R.B. (2015). Zircon provenance of SW Caledonian phyllites reveals a distant Timanian sediment source. *Journal of the Geological Society* 172, 465-478.
- 393 Bjärnborg, K., Scherstén, A., Söderlund, U., Maier, W. (2015). Geochronology and geochemical evidence for a magmatic arc setting for the Ni-Cu mineralised 1.79

- Ga Kleva gabbro-diorite intrusive complex, southeast Sweden. *GFF* 137, 83-101.
- 392 Morris, G.A., Kirkland, C.L., Pease, V. (2015). Orogenic palaeofluid flow recorded by discordant detrital zircons in the Caledonian foreland basin of northern Greenland. *Lithosphere* 7, 138-143.
- 391 Cornell, D.H., Schijndel, V. van, Simonsen, S.L., Frei, D. (2015). Geochronology of Mesoproterozoic hybrid intrusions in the Konkiep Terrane, Namibia, from passive to active continental margin in the Namaqua-Natal Wilson Cycle. *Precambrian Research* 265, 166-188.
- 390 Petersson, A., Scherstén, A., Andersson, J., Whitehouse, M.J., Baranowski, M.T. (2015). Zircon U-Pb, Hf and O isotope constraints on growth versus reworking of continental crust in the subsurface Grenville orogen, Ohio, USA. *Precambrian Research* 265, 313-327.
- 389 Ng, S.W.-P., Whitehouse, M.J., Searle, M.P., Robb, L.J., Ghani, A.A., Chung, S.-L., Oliver, G.J.H., Sone, M., Gardiner, N.J., Roselee, M.H. (2015). Petrogenesis of Malaysian granitoids in the Southeast Asian Tin Belt: Part 2. U-Pb zircon geochronology and tectonic model. *Geological Society of America Bulletin* 127, 1238-1258.
- 388 Bogdanova, S., Gorbatschev, R., Skridlaite, G., Soesoo, A., Taran, L., Kutlovich, D. (2015). Trans-Baltic Palaeoproterozoic correlations towards the reconstruction of supercontinent Columbia/Nuna. *Precambrian Research* 259, 5-33.
- 387 Möller, C., Andersson, J., Dyck, B., Antal Lundin, I., (2015). Exhumation of an eclogite terrane as a hot migmatitic fold nappe, Sveconorwegian orogen. *Lithos* 226, 147–168.
- 385 Ali, K.A., Surour, A.A., Whitehouse, M.J., Andresen, A. (2015). Single zircon Hf-O isotope constraints on the origin of A-type granites from the Jabal Al-Hassir ring complex, Saudi Arabia. *Precambrian Research* 256, 131–147.
- 384 Khudoley, A., Chamberlain, K., Ershova, V., Sears, J., Prokopiev, A., MacLean, J., Kazakova, G., Malyshev, S., Molchanov, A., Kullerud, K., Toro, J., Miller, E., Veselovskiy, R., Li, A., Chipley, D. (2015). Proterozoic supercontinental restorations: Constraints from provenance studies of Mesoproterozoic to Cambrian clastic rocks, eastern Siberian Craton. *Precambrian Research* 259, 78-94.
- 383 Pease, V.L., Kuzmichev, A.B., Danukalova, M.K., (2015). The New Siberian Islands and evidence for the continuation of the Uralides, Arctic Russia. *Journal of the Geological Society* 172, 1-4.
- 382 Kleinhanns, I.C., Whitehouse, M.J., Nolte, N., Baero, W., Wilsky, F., Hansen, B.T., Schoenberg, R. (2015). Mode and timing of granitoid magmatism in the Västervik area (SE Sweden, Baltic Shield): Sr-Nd isotope and SIMS U-Pb age constraints. *Lithos* 212-215, 321-337.
- 381 Heinonen, A., Andersen, T., Rämö, O.T., Whitehouse, M. (2015). The source of

Proterozoic anorthosite and rapakivi granite magmatism: evidence from combined in situ Hf–O isotopes of zircon in the Ahvenisto complex, southeastern Finland. *Journal of the Geological Society* 172, 103-112.

- 380 Bingen, B., Corfu, F., Stein, H.J., Whitehouse, M.J. (2015). U-Pb geochronology of the syn-orogenic Knaben molybdenum deposits, Sveconorwegian orogen, Norway. *Geological Magazine* 152, 537-556.
- 379 Jeon, H., Whitehouse, M.J. (2015). A critical evaluation of U-Pb calibration schemes used in SIMS zircon geochronology. *Geostandards and Geoanalytical Research* 39, 443-452.

Publication year 2014

- 386 Bellucci, J.J., Nemchin, A.A., Whitehouse, M.J., Humayun, M., Hewins, R., Zanda, B. (2014). Pb-isotopic evidence for an early, enriched crust on Mars. *Earth and Planetary Science Letters* 410, 34-41.
- 378 Nemchin, A.A., Humayun, M., Whitehouse, M.J., Hewins, R.H., Lorand, J.-P., Kennedy, A., Grange, M., Zanda, B., Fieni, C., Deldicque, D. (2014). Record of the ancient martian hydrosphere and atmosphere preserved in zircon from a martian meteorite. *Nature Geoscience* 7, 638–642.
- 377 Rose-Koga, E.F., Koga, K.T., Hamada, M., Hélouis, T., Whitehouse, M.J., Shimizu, N. (2014). Volatile (F and Cl) concentrations in Iwate olivine-hosted melt inclusions indicating low-temperature subduction. *Earth, Planets and Space* 66: 81.
- 376 Cabral, R.A., Jackson, M.G., Koga, K.T., Rose-Koga, E.F., Hauri, E.H., Whitehouse, M.J., Price, A.A., Day, J.M.D., Shimizu, N., Kelley, K.A. (2014). Volatile cycling of H₂O, CO₂, F, and Cl in the HIMU mantle: A new window provided by melt inclusions from oceanic hotspot lavas at Mangaia, Cook Islands. *Geochemistry, Geophysics, Geosystems* 15, 4445-4467.
- 375 Woodard, J., Kietäväinen, R., Eklund, O. (2014). Svecofennian post-collisional shoshonitic lamprophyres at the margin of the Karelia Craton: Implications for mantle metasomatism. *Lithos* 205, 379–393.
- 374 Konopasek, J., Pilatova, E., Košler, J., Sláma, J. (2014). Zircon (re)crystallization during short-lived high-pressure granulite facies metamorphism (Eger Complex, NW Bohemian Massif). *Journal of Metamorphic Geology* 32, 885–902.
- 373 Whitehouse, M.J., Ravindra Kumar, G.R., Rimša, A. (2014). Behaviour of radiogenic Pb in zircon during ultrahigh-temperature metamorphism: an ion imaging and ion tomography case study from the Kerala Khondalite Belt, southern India. *Contributions to Mineralogy and Petrology* 168: 1042.
- 372 Jordan, T.A., Neale, R.F., Leat, P.T., Vaughan, A.P.M., Flowerdew, M.J., Riley, T.R., Whitehouse, M.J., Ferraccioli, F. (2014). Structure and evolution of Cenozoic arc magmatism on the Antarctic Peninsula: A high resolution aeromagnetic perspective.

Geophysical Journal International 198, 1758-1774.

- 371 van Zuijen, M.A., Philippot, P., Whitehouse, M.J., Lepland, A. (2014). Sulfur isotope mass-independent fractionation in impact deposits of the 3.2 billion-year-old Mapepe Formation, Barberton Greenstone Belt, South Africa. *Geochimica et Cosmochimica Acta* 142, 429-441.
- 370 McAteer, C.A., Daly, J.S., Flowerdew, M.J., Whitehouse, M.J., Monaghan, N.M. (2014). Sedimentary provenance, age and possible correlation of the Iona Group SW Scotland. *Scottish Journal of Geology* 50, 143-158.
- 369 Roszjar, J., Whitehouse, M.J. Bischoff, A. (2014). Meteoritic zircon – Occurrence and chemical characteristics. *Chemie der Erde – Geochemistry* 74, 453–469.
- 367 Stern, R.J., Minghua, R., Ali, K.; Förster, H.-J., Al Safarjalani, A. Nasir, S., Whitehouse, M.J., Leybourne, M.I., Romer, R.L. (2014). Early Carboniferous (~357 Ma) crust beneath northern Arabia: Tales from Tell Thannoun (southern Syria). *Earth and Planetary Science Letters* 393, 83-93.
- 366 Costa, M.M., Neiva, A. M. R., Azevedo, M. R., Corfu, F. (2014). Distinct sources for syntectonic Variscan granitoids: Insights from the Aguiar da Beira region, Central Portugal. *Lithos* 196-197, 83-98.
- 365 Næraa, T., Kemp, A.I.S., Scherstén, A., Rehnström, E.F., Rosing, M.T., Whitehouse M.J. (2014). A lower crustal mafic source for the ca. 2550 Ma Qôrquq Granite Complex in southern West Greenland. *Lithos* 192, 291-304.
- 364 Hanski, E.J., Huhma, H., Melezhik, V.A. (2014). New isotopic and geochemical data from the Palaeoproterozoic Pechenga Greenstone Belt, NW Russia: Implication for basin development and duration of the volcanism. *Precambrian Research* 245, 51-65.
- 360 Nasiri Bezenjani, R., Pease, V., Whitehouse, M.J., Shalaby, M.H., Kadi, K.A., Kozdroj, W. (2014). Detrital zircon geochronology and provenance of the Neoproterozoic Hammamat Group (Igla Basin), Egypt and the Thalbah Group, NW Saudi Arabia: Implications for regional collision tectonics. *Precambrian Research* 245, 225-243.
- 358 Claesson, S., Bibikova, E., Shumlyanskyy, L.V., Dhuime, B., Hawkesworth, C.J. (2014). The oldest crust in the Ukrainian Shield - Eoarchean U-Pb ages and Hf-Nd constraints from enderbites and metasediments. *Geological Society of London Special Publication* 389, 227-259.
- 357 Woodard, J., Hetherington, C.J. (2014). Carbonatite in a post-collisional tectonic setting: Geochronology and emplacement conditions at Naantali, SW Finland. *Precambrian Research* 240, 94-107.
- 355 Van Schijndel, V., Cornell, D.H., Frei, D., Simonsen, S.L., Whitehouse, M.J. (2014). Crustal evolution of the Rehoboth Province from Archaean to Mesoproterozoic times: Insights from the Rehoboth Basement Inlier. *Precambrian Research* 240, 22-36.

- 353 Bogdanova, S., Cecys, A., Bibikova, E.V., Ilyinsky, L.S., Taran, L.N. (2014). Danopolonian migmatization of Mesoproterozoic sedimentary rocks in southernmost Sweden: a SIMS zircon study. *GFF* 136, 410-428.
- 352 Žigaitė, Ž., Whitehouse, M.J., Blom, H. (2014). Stable oxygen isotopes of dental biominerals: differentiation at the intra- and inter-tissue level of modern shark teeth. *GFF* 136, 337-340.
- 351 Majka, J., Be'eri-Shlevin, Y., Gee, D.G., Czerny, J., Frei, D., Ladenberger, A. (2014). Torellian (c. 640 Ma) metamorphic overprint of Tonian (c. 950 Ma) basement in the Caledonides of southwestern Svalbard. *Geological Magazine* 151, 732-748.
- 345 Konopásek, J., Košler, J., Sláma, J., Janoušek, V. (2014). Timing and sources of pre-collisional Neoproterozoic sedimentation along the SW margin of the Congo Craton (Kaoko Belt, NW Namibia). *Gondwana Research* 26, 386-401.
- 342 Scherstén, A., Garde, A.A. (2014). Complete hydrothermal re-equilibration of zircon in the Maniitsoq structure, West Greenland: A 3001 Ma minimum age of impact? *Meteoritics and Planetary Science* 48, 1472-1498.
- 339 Ladenberger, A., Be'eri-Shlevin, Y., Claesson, S., Gee, D.G., Majka, J., Romanova, I.V. (2014). Tectonometamorphic evolution of the Åreskutan Nappe – Caledonian history revealed by SIMS U-Pb zircon geochronology. *Geological Society of London Special Publication* 390, 337-368.
- 338 Eyal, M., Be'eri-Shlevin, Y., Eyal, Y., Whitehouse, M.J., Litvinovsky, B. (2014). Three successive Proterozoic island arcs in the Northern Arabian–Nubian Shield: Evidence from SIMS U–Pb dating of zircon. *Gondwana Research* 25, 338-357.
- 333 Rantakokko, N.E., Whitehouse, M.J., Pease, V., Windley, B.F. (2014). Neoproterozoic evolution of the eastern Arabian basement based on a refined geochronology of the Marbat region, Sultanate of Oman. *Geological Society of London Special Publication* 392, 107-127.

Publication year 2013

- 363 White, A.J.R., Burgess, R., Charnley, N., Selby, D., Whitehouse, M.J., Robb, L.J., Waters, D.J. (2013). Constraints on the timing of late-Eburnean metamorphism, gold mineralisation and regional exhumation at Damang mine, Ghana. *Precambrian Research* 243, 18-38.
- 362 Jarrar, G.H., Theye, T., Yaseen, N., Whitehouse, M., Pease, V., Passchier, C. (2013). Geochemistry and P-T-t evolution of the Abu-Barqa Metamorphic Suite, SW Jordan, and implications for the tectonics of the northern Arabian–Nubian Shield. *Precambrian Research* 239, 56-78.
- 361 Košler, J., Sláma, J., Belousová, E., Corfu, F., Gehrels, G.E., Gerdes, A., Horstwood, M.S.A., Sircombe, K.N., Sylvester, P.J., Tiepolo, M., Whitehouse, M.J.,

- Woodhead, J.D. (2013). U-Pb Detrital Zircon Analysis – Results of an Inter-laboratory Comparison. *Geostandards and Geoanalytical Research* 37, 243-259.
- 356 Konzett, J., Wirth, R., Hauzenberger, C., Whitehouse, M.J. (2013). Two episodes of fluid migration in the Kaapvaal Craton lithospheric mantle associated with Cretaceous kimberlite activity: Evidence from a harzburgite containing a unique assemblage of metasomatic zirconium-phases. *Lithos* 182–183, 165-184.
- 354 Abu El-Enen, M.M., Whitehouse, M.J. (2013). The Feiran-Solaf Metamorphic Complex, Sinai, Egypt: Geochronological and geochemical constraints on its evolution. *Precambrian Research* 239, 106-125.
- 350 Yaseen, N., Pease, V., Jarrar, G.H., Whitehouse, M. (2013). U–Pb detrital zircon provenance of the Saramuj Conglomerate, Jordan, and implications for the Neoproterozoic evolution of the Red Sea region. *Precambrian Research* 239, 6-23.
- 349 Kusiak, M.A., Whitehouse, M.J., Wilde, S.A., Dunkley, D.J., Menneken, M., Nemchin, A.A., Clark, C. (2013). Changes in zircon chemistry during Archean UHT metamorphism in the Napier Complex, Antarctica. *American Journal of Science* 313, 933-967.
- 348 Szilas, K., Garde, A.A., (2013) Mesoarchaean aluminous rocks at Storø, southern West Greenland: new age data and evidence of premetamorphic seafloor weathering of basalts. *Chemical Geology* 354, 124-138.
- 347 Grosch, E.G., McLoughlin, N. (2013), Paleoarchean sulfur cycle and biogeochemical surface conditions on the early Earth, Barberton, South Africa. *Earth and Planetary Science Letters* 377–378, 142-154.
- 346 Strachan, R., Prave, T., Kirkland, C., Storey, C. (2013) U–Pb detrital zircon geochronology of the Dalradian Supergroup, Shetland Islands, Scotland: implications for regional correlations and Neoproterozoic–Palaeozoic basin development. *Journal of the Geological Society* 170, 905-916.
- 344 Flowerdew, M.J., Whitehouse, M.J., Stoeser, D.B. (2013). The Nabitah fault zone, Saudi Arabia: A Pan-African suture separating juvenile oceanic arcs. *Precambrian Research* 239, 95-105.
- 343B Bay, G., Nahar, N., Oubre, M., Whitehouse, M. J., Wardle, D. A., Zackrisson, O., Nilsson, M-C., Rasmussen, U. (2013). Boreal feather mosses secrete chemical signals to gain nitrogen. *New Phytologist* 200, 54–60
- 343 Petersson, A., Scherstén, A., Andersson, J., Möller, C. (2013). Zircon U-Pb and Hf – isotopes from the eastern part of the Sveconorwegian Orogen, SW Sweden: implications for the growth of Fennoscandia. *Geological Society of London Special Publication* 389, 281-303.
- 341 Beranek, L.P., Pease, V., Scott, R.A., Thomsen, T.B. (2013). Detrital zircon geochronology of Ediacaran to Cambrian deep-water strata of the Franklinian basin, northern Ellesmere Island, Nunavut: implications for regional stratigraphic

correlations. *Canadian Journal of Earth Sciences* 50, 1007-1018.

- 340 Roerdink, D.L., Mason, P.R.D., Whitehouse, M.J., Reimer, T. (2013). High-resolution quadruple sulfur isotope analyses of 3.2 Ga pyrite from the Barberton Greenstone Belt in South Africa reveal distinct environmental controls on sulfide isotopic arrays. *Geochimica et Cosmochimica Acta* 117, 203-215.
- 337 Cabral, R.A., Jackson, M.G., Rose-Koga, E.F., Koga, K.T., Whitehouse, M.J., Antonelli, M.A., Farquhar, J., Day, J.M., Hauri, E.H. (2013). Anomalous sulphur isotopes in plume lavas reveal deep mantle storage of Archaean crust. *Nature* 496, 490-493.
- 336 Sahlstedt, E., Karhu, J.A., Pitkänen, P., Whitehouse, M. (2013). Implications of sulfur isotope fractionation in fracture-filling sulfides in crystalline bedrock, Olkiluoto, Finland. *Applied Geochemistry* 32, 52-69
- 335 Moufti, A.M.B. Ali, K.A., Whitehouse, M.J. (2013). Geochemistry and petrogenesis of the Ediacaran post-collisional Jabal Al-Hassir ring complex, Southern Arabian Shield, Saudi Arabia. *Chemie der Erde – Geochemistry* 73, 451-467.
- 334 Kirkland, C.L., Alsop, I., Daly, J.S., Whitehouse, M.J., Lam, R., Clark, C. (2013). Constraints on the timing of Scandian deformation and the nature of a buried Grampian terrane under the Caledonides of northwestern Ireland. *Journal of the Geological Society of London* 170, 615-626.
- 331 Roberts, N.M.W., Slagstad, T., Parrish, R., Norry, M., Marker, M., Horstwood, M. (2013). Sedimentary recycling in arc magmas: geochemical and U-Pb-Hf-O constraints on the Mesoproterozoic Suldal Arc, SW Norway. *Contributions to Mineralogy and Petrology* 165, 507-523.
- 329 Drake, H., Åström, M.E., Tullborg, E.-L., Whitehouse, M., Fallick, A.E. (2013). Variability of sulphur isotope ratios in pyrite and dissolved sulphate in granitoid fractures down to 1km depth – Evidence for widespread activity of sulphur reducing bacteria. *Geochimica et Cosmochimica Acta* 102, 143–161.
- 328 Broska, I., Petrík, I., Bee’ri-Shleven, Y., Majka, J., Bezák, V. (2013). Devonian/Mississippian I-type granitoids in the Western Carpathians: A subduction-related hybrid magmatism. *Lithos* 162-163, 27-36.
- 327 Kusiak, M.A., Whitehouse, M.J., Wilde, S.A., Nemchin, A.A., Clark, C. (2013). Mobilization of radiogenic Pb in zircon revealed by ion imaging: Implications for early Earth geochronology. *Geology* 41, 291-294.
- 326 Myhre, P.I., Corfu, F., Bergh S.G., Kullerud, K. (2013). U-Pb geochronology along an Archaean geotransect in the West Troms Basement Complex, North Norway. *Norwegian Journal of Geology* 93, 1-24.
- 325 Tichomirowa, M., Whitehouse, M.J., Gerdes, A., Götze, J., Schulz, B., Belyatsky, B.V. (2013). Different zircon recrystallization types in carbonatites caused by magma mixing: evidence from U–Pb dating, trace element and isotope composition

(Hf and O) of zircons from two Precambrian carbonatites from Fennoscandia.
Chemical Geology 353, 173-198.

- 323 Whitehouse, M.J. (2013). Multiple Sulfur Isotope Determination by SIMS: Evaluation of Reference Sulfides for $\Delta 33S$ with Observations and a Case Study on the Determination of $\Delta 36S$. *Geostandards and Geoanalytical Research* 37, 19–33.
- 321 Virtasalo, J.J., Whitehouse, M.J., Kotilainen, A.T. (2013). Iron isotope heterogeneity in pyrite fillings of Holocene worm burrows. *Geology* 41, 39-42.
- 317 Bejgarn, T., Söderlund, U., Weihed, P., Årebäck, H., Ernst, R.E. (2013) Palaeoproterozoic porphyry Cu-Au, intrusion-hosted Au and ultramafic Cu-Ni deposits in the Fennoscandian Shield: Temporal constraints using U-Pb geochronology. *Lithos* 174, 236-254.
- 316 Oliveira, E.P., Silveira, E.M., Söderlund, U., Ernst, R.E. (2013) U–Pb ages and geochemistry of mafic dyke swarms from the Uauá Block, São Francisco Craton, Brazil: LIPs remnants relevant for Late Archaean break-up of a supercraton. *Lithos* 174, 308-322.
- 314 Røhr, T.S., Bingen, B., Robinson, P. (2013) Geochronology of Palaeoproterozoic augen gneisses and evidence for Sveconorwegian and Caledonian metamorphism in the Western Gneiss Region, Norway. *The Journal of Geology* 121, 105-128
- 303 Heilimo E., Halla J., Andersen T., Huhma H. (2013). Neoarchean crustal recycling and mantle metasomatism: Hf-Nd-Pb-O isotope evidence from sanukitoids of the Fennoscandian shield. *Precambrian Research* 228, 250-266.
- 296 Talavera, C., Montero, P., Bea, F., González Lodeiro, F., Whitehouse, M. (2013). U-Pb Zircon geochronology of the Cambro-Ordovician metagranites and metavolcanic rocks of central and NW Iberia. *International Journal of Earth Science* 102, 1-23.

Publication year 2012

- 330 Billström, K., Mattson, B., Söderlund, U., Årebäck, H., Broman, C. (2012). Geology and age constraints on the origin of the intrusion-related, sheeted vein-type Åkerberg gold deposit, Skellefte district, Sweden. *Minerals* 2, 385-416.
- 324 Piazolo, S., Austrheim, H., Whitehouse, M. (2012). Brittle-ductile microfabrics in naturally deformed zircon: Deformation mechanisms and consequences for U-Pb dating. *American Mineralogist* 97, 1544–1563.
- 322 Tuisku, P., Huhma, H., Whitehouse, M.J. (2012). Geochronology and geochemistry of the enderbite series in the Lapland Granulite Belt: generation, tectonic setting and correlation of the belt. *Canadian Journal of Earth Sciences* 49, 1297-1315.
- 320 Janots, E., Berger, A., Gnos, E., Whitehouse, M., Lewin, E., Pettke, T. (2012). Constraints on fluid evolution during metamorphism from U–Th–Pb systematics in Alpine hydrothermal monazite. *Chemical Geology* 326-327, 61-71.

- 319 Bolhar, R., Ring, U., Kemp, A.I.S., Whitehouse, M.J., Weaver, S.D., Woodhead, J.D., Tonguc Uysal, I., Turnbull, R. (2012). An integrated zircon geochronological and geochemical investigation into the Miocene plutonic evolution of the Cyclades, Aegean Sea, Greece: part 2—geochemistry. *Contributions to Mineralogy and Petrology* 164, 915–933.
- 318 Rose Koga, E.F., Koga, K.T., Schiano, P., Le Voyer, M., Shimizu, N., Whitehouse, M.J., Clocchiatti, R. (2012). Mantle source heterogeneity for South Tyrrhenian magmas revealed by Pb isotopes and halogen contents of olivine-hosted melt inclusions. *Chemical Geology* 334, 266-279.
- 315 Thurston, P.C., Kamber, B.S., Whitehouse, M.J. (2012). Archean cherts in banded iron formation: Insight into Neoarchean ocean chemistry and depositional processes. *Precambrian Research* 214–215, 227-257.
- 313 Huhma, H., Mänttäri, I., Peltonen, P., Kontinen, A., Halkoaho, T., Hanski, E., Hokkanen, T., Hölttä, P., Juopperi, H., Konnunaho, J., Lahaye, Y., Luukkonen, E., Pietikäinen, K., Pulkkinen, A., Sorjonen-Ward, P., Vaasjoki, M., Whitehouse, M. (2012). The age of the Archaean greenstone belts in Finland. *Geological Survey of Finland Special Paper* 54, 73-174.
- 312 Shumlyanskyy, L., Billström, K., Hawkesworth, C., Elming, S.-Å. (2012). U-Pb age and Hf isotope compositions of zircons from the north-western region of the Ukrainian shield: mantle melting in response to post-collision extension. *Terra Nova* 24, 373-379.
- 311 Cornell, D.H., Pettersson, Å., Simonsen, S.L. (2012). Zircon U-Pb emplacement and Nd-Hf crustal residence ages of the Straussburg Granite and Friersdale Charnockite in the Namaqua-Natal Province, South Africa. *South African Journal of Geology* 115, 465-484.
- 310 Väisänen, M., Johansson, A., Andersson, U.B., Eklund, O., Hölttä, P. (2012). Palaeoproterozoic adakite- and TTG-like magmatism in the Svecofennian orogen, SW Finland. *Geologica Acta* 10, 351-371.
- 309 Næraa, T., Scherstén, A., Rosing, M.T., Kemp, A.I.S., Hoffmann, J.E., Kokfelt, T.F. & Whitehouse, M.J. (2012). Hafnium isotope evidence for a transition in the dynamics of continental growth 3.2 Gyr ago. *Nature* 485, 627-630.
- 308 Searle, M.P., Whitehouse, M.J., Robb, L.J., Ghani, A.A., Hutchison, C.S., Sone, M., Ng, S.W.-P., Roseless, M.H., Chung, S.-L., Oliver, G.J.H. (2012). Tectonic evolution of the Sibumasu–Indochina terrane collision zone in Thailand and Malaysia; constraints from new U–Pb zircon chronology of SE Asian tin granitoids. *Journal of the Geological Society* 169, 489-500.
- 307 Riley, T.R., Flowerdew, M.J., Whitehouse, M.J. (2012). U–Pb ion-microprobe zircon geochronology from the basement inliers of eastern Graham Land, Antarctic Peninsula. *Journal of the Geological Society* 169, 381-393.

- 305 Be'eri-Shlevin, Y., Eyal, M., Eyal, Y., Whitehouse, M.J., Litvinovsky, B. (2012). The Sa'al volcano-sedimentary complex (Sinai, Egypt): a latest Mesoproterozoic volcanic arc in the northern Arabian Nubian Shield. *Geology* 40, 403–406.
- 304 Hoffman, J.E., Svahnberg, H., Piazolo, S., Scherstén, A., Münker, C. (2012). The geodynamic evolution of Mesoarchean anorthosite complexes inferred from the Naajat Kuuat Complex, southern West Greenland. *Precambrian Research* 196-197, 149-170.
- 302B Skyttä, P., Bauera, T.E., Tavakolia, S., Hermansson, T., Andersson, J., Weihed, P. (2012). Pre-1.87 Ga development of crustal domains overprinted by 1.87 Ga transpression in the Palaeoproterozoic Skellefte district, Sweden. *Precambrian Research* 206-207, 109-136.
- 302 Marks, M.A.W., Wenzel, T., Whitehouse, M.J., Loose, M., Zack, T., Barth, M., Worgard, L., Krasz, V., Eby, G.N., Stosnach, H., Markl, G. (2012). The volatile inventory (F, Cl, Br, S, C) of magmatic apatite: An integrated analytical approach. *Chemical Geology* 291, 241-255.
- 300 Flowerdew, M.J., Tyrell, S., Riley, T.R., Whitehouse, M.J., Mulvaney, R.W., Leat, P.T., Marschall, H.R. (2012). Distinguishing East and West Antarctic sediment sources using the Pb isotope composition of detrital K feldspar. *Chemical Geology* 292-293, 88-102.
- 299 Nironen, M., Mänttäri, I. (2012). Timing of accretion, intra-orogenic sedimentation and basin inversion in the Paleoproterozoic Svecfennian Orogen: the Pyhäntaka area, southern Finland. *Precambrian Research* 192–195, 34–51.
- 297 Reuschel, M., Melezhik, V.A., Whitehouse, M.J., Lepland, A., Fallick, A.E., Strauss, H. (2012). Isotopic evidence for a sizeable seawater sulfate reservoir at 2.1Ga. *Precambrian Research* 192-195, 78-88.
- 295 Riley, T.R., Flowerdew, M.J., Whitehouse, M.J. (2012). Chrono- and lithostratigraphy of a fore- to intra-arc basin: Adelaide Island, Antarctic Peninsula. *Geological Magazine* 149, 768–782.
- 288 Ueda, K., Jacobs, J., Thomas, R.J., Košler, J., Jourdan, F., Matola, R. (2012). Delamination-induced late tectonic deformation and high-grade metamorphism of the Proterozoic Nampula Complex, northern Mozambique. *Precambrian Research* 196–197, 275–294.
- 278 Garde, A.A., Whitehouse, M., Christensen, R. (2012). Mesoarchean epithermal gold mineralization preserved at upper amphibolite-facies grade, Qussuk, southern west Greenland. *Economic Geology* 107, 881-908.
- 274 Bradshaw, J.D., Vaughan, A.P.M., Millar, I.L., Flowerdew, M.J., Trouw, R.J., Fanning, C.M., Whitehouse, M.J. (2012). Permo-Carboniferous conglomerates in the Trinity Peninsula Group at View Point, Antarctic Peninsula: sedimentology, geochronology and isotope evidence for provenance and tectonic setting in Gondwana. *Geological Magazine* 149, 626-64.

Publication year 2011

- 298B Skyttä, P., Hermansson, T., Andersson, J., Whitehouse, M., Weiher, P., (2011). New zircon data supporting models of short-lived igneous activity at 1.89 Ga in the western Skellefte District, central Fennoscandian Shield. *Solid Earth* 2, 205–217.
- 294 Heinonen, A.P., Fraga, M., Rämö, O.T., Dall'Agnol, R., Mänttäri, I., Andersen, T. (2011). Petrogenesis of the igneous Mucajá AMG complex, northern Amazonian craton – geochemical, U-Pb geochronological, and Nd-Hf-O isotopic constraints. *Lithos* 151, 17–34.
- 293 Högdahl, K., Majka, J., Sjöström, H., Persson Nilsson, K., Claesson, S., Konečný, P. (2011). Reactive monazite and robust zircon growth in diatexesites and leucogranites from a hot, slowly cooled orogen: implications for the Palaeoproterozoic tectonic evolution of the central Fennoscandian Shield, Sweden. *Contributions to Mineralogy and Petrology* 163, 167–188.
- 292 Kurhila M., Mänttäri I., Vaasjoki M., Rämö O.T., Nironen M. (2011). U-Pb geochronological constraints of the late Svecofennian leucogranites of southern Finland. *Precambrian Research* 190, 1– 24.
- 289 Be'eri-Shlevin, Y., Samuel, M.D., Azer, M.K., Rämö, T.O., Whitehouse, M.J., Moussa, H.E. (2011). The Ediacaran Ferani and Rutig volcano-sedimentary successions of the northernmost Arabian-Nubian Shield (ANS): New insights from zircon U-Pb geochronology, geochemistry and O–Nd isotope ratios. *Precambrian Research* 188, 21-44.
- 287 Cornell, D.H., van Schijndel, V., Ingolfsson, O., Scherstén, A., Karlsson, L., Wojtyla, J., Karlsson, K. (2011). Evidence from Dwyka tillite cobbles of Archaean basement beneath the Kalahari sands of southern Africa. *Lithos* 125, 482–502.
- 286 Mikkola, P., Huhma, H., Heilimo, E., Whitehouse, M. (2011). Archean crustal evolution of the Suomussalmi district as part of the Kianta Complex, Karelia: Constraints from geochemistry and isotopes of granitoids. *Lithos* 125, 287-307.
- 285 Be'eri-Shlevin, Y., Gee, D., Claesson, S., Ladenberger, A., Majka, J., Kirkland, C., Robinson, P., Frei, D. (2011). Provenance of Neoproterozoic sediments in the Särv nappes (Middle Allochthon) of the Scandinavian Caledonides: LA-ICP-MS and SIMS U-Pb dating of detrital zircons. *Precambrian Research* 187, 181-200.
- 284 Gagnevin, D., Daly, J.S., Horstwood, M.S.A., Whitehouse, M.J. (2011). In situ zircon U-Pb, oxygen and hafnium isotopic evidence for magma mixing and mantle metasomatism in the Tuscan Magmatic Province, Italy. *Earth and Planetary Science Letters* 305, 45-56.
- 283 Ulrich, T., Long, D.G.F., Kamber, B.S., Whitehouse, M.J. (2011) In Situ trace element and sulfur isotope analysis of pyrite in a Paleoproterozoic gold placer deposit, Pardo and Clement Townships, Ontario, Canada. *Economic Geology* 106, 667-686.

- 282 Lee, J., Hager, C., Wallis, S.R., Stockli, D.F., Whitehouse, M.J., Aoya, M., Wang, Y. (2011). Middle to late Miocene extremely rapid exhumation and thermal reequilibration in the Kung Co rift, southern Tibet. *Tectonics* 30, TC2007.
- 281 Nemchin, A.A., Whitehouse, M.J., Grange, M.L., Muhling, J.R. (2011). On the elusive isotopic composition of lunar Pb. *Geochimica et Cosmochimica Acta* 75, 2940–2964.
- 277 Rollinson, H.R., Whitehouse, M.J. (2011). The growth of the Zimbabwe Craton during the late Archaean: an ion microprobe U-Pb zircon study. *Journal of the Geological Society* 168, 941-952.
- 276 Myhre, P.I., Corfu, F., Bergh, S. (2011). Palaeoproterozoic (2.0–1.95 Ga) pre-orogenic supracrustal sequences in the West Troms Basement Complex, North Norway. *Precambrian Research* 186, 89–100.
- 275 Kirkland, C.L., Bingen, B., Whitehouse, M.J., Beyer, E., Griffin, W.L. (2011). Neoproterozoic palaeogeography in the North Atlantic Region: inferences from the Akkajaure and Seve Nappes of the Scandinavian Caledonides. *Precambrian Research* 186, 127-146.
- 273 Slagstad, T., Davidsen, B., Daly, J.S. (2011). Age and composition of crystalline basement rocks on the Norwegian continental margin; offshore extension and continuity of the Caledonian-Appalachian orogenic belt. *Journal of the Geological Society* 168, 1167-1185.
- 272 Brander, L., Appelquist, K., Cornell, D., Andersson, U.-B. (2011). Igneous and metamorphic geochronologic evolution of granitoids in the central Eastern Segment, southern Sweden. *International Geology Review* 54, 509-546.
- 271 Valley, P.M., Hanchar, J.M., Whitehouse, M.J. (2011). New insights on the evolution of the Lyon Mountain granite and associated Kiruna-type magnetite-apatite deposits, Adirondack Mountains, New York State. *Geosphere* 7, 357-389.
- 270 Ledneva, G.V., Pease, V.L., Sokolov, S.D. (2011). Permo-Triassic hypabyssal mafic intrusions and associated tholeiitic basalts of the Kolyuchinskaya Bay, Chukotka (NE Russia): Links to the Siberian LIP. *Journal of Asian Earth Sciences* 40, 737-745.
- 267 Heilimo, E., Halla, J., Huhma, H., (2011). Single-grain zircon U–Pb age constraints of the western and eastern sanukitoid zones in the Finnish part of the Karelian Province. *Lithos* 121, 87-99.
- 263 Lauri, L.S., Andersen, T., Hölttä, P., Huhma, H., Graham, S. (2011). Evolution of the Archaean Karelian Province in the Fennoscandian Shield in the light of U–Pb zircon ages and Sm–Nd and Lu–Hf isotope systematics. *Journal of the Geological Society* 168, 201-218.
- 255 Banerjee, N.R., Izawa, M.R.M., Sapers, H.M., Whitehouse, M.J. (2011). Geochemical biosignatures preserved in microbially altered basaltic glasses. *Surface and*

Interface Analysis 43, 452-457.

- 251 Lepland, A., Whitehouse, M.J. (2011). Metamorphic alteration, mineral paragenesis and geochemical re-equilibration of early Archean quartz-amphibole-pyroxene gneiss from Akilia, Southwest Greenland. *International Journal of Earth Sciences* 100, 1-22.

Publication year 2010

- 368 Abati, J., Gerdes, A., Suárez, J.F., Arenas, R., Whitehouse, M.J., Fernández, R.D. (2010). Magmatism and early-Variscan continental subduction in the northern Gondwana margin recorded in zircons from the basal units of Galicia, NW Spain. *Geological Society of America Bulletin* 122, 219-235.
- 280 Madsen, H.B., Stemmerik, L. (2010). Diagenesis of Flint and Porcellanite in the Maastrichtian Chalk at Stevns Klint, Denmark. *Journal of Sedimentary Research* 80, 578-588.
- 279 John, T., Layne, G., Haase, K., Barnes, J.D. (2010). Chlorine isotope evidence for crustal recycling into the Earth's mantle. *Earth and Planetary Science Letters* 298, 175-182.
- 264 Ali, K.A., Stern, R.J., Manton, W.I., Kimura, J-I., Whitehouse, M.J., Mukherjee, S., Johnson, P.R., Griffin, W.R. (2010). Geochemical, U-Pb zircon, and Nd isotope investigations of the Neoproterozoic Ghawjah Metavolcanic rocks, Northwestern Saudi Arabia. *Lithos* 120, 379-392.
- 262 Wacey, D., McLoughlin, N., Whitehouse, M.J., Kilburn, M.R. (2010). Two coexisting sulfur metabolisms in a ca. 3400 Ma sandstone. *Geology* 38, 1115-1118.
- 261 van der Lelij, R., Spikings, R., Kerr, A.C., Kounov, A., Cosca, M., Chew, D.M., Villagomez, D. (2010). Thermochronology and Tectonics of the Leeward Antilles: evolution of the Southern Caribbean Plate Boundary Zone. *Tectonics* 29, TC6003.
- 260 Cooper, F.J., Platt, J.P., Anczkiewicz, R., Whitehouse, M.J. (2010). Footwall dip of a core complex detachment fault: thermobarometric constraints from the northern Snake Range (Basin and Range, USA). *Journal of Metamorphic Geology* 28, 997-1020.
- 259 Rutanen, H., Andersson, U.B., Väisänen, M., Johansson, Å., Fröjdö, S., Lahaye, Y., Eklund, O. (2010). 1.8 Ga magmatism in southern Finland: strongly enriched mantle and juvenile crustal sources in a post-collisional setting. *International Geology Review* 53, 1622-1683
- 258 McAteer, C., Daly, J.S., Flowerdew, M.J. & Whitehouse, M.J. (2010). Dalradian Grampian Group affinity for the Bowmore Sandstone Group, Islay, SW Scotland. *Scottish Journal of Geology* 46, 97-111.
- 257 Hanski, E., Huhma, H., Vuollo, J. (2010). SIMS zircon ages and Nd isotope

systematics of the 2.2 Ga mafic intrusions in northern and eastern Finland. *Bulletin of the Geological Society of Finland* 82, 31–62.

- 256 El Albani, A., Bengtson, S., Canfield, D.E., Bekker, A., Macchiarelli, R., Mazurier, A., Hammarlund, E., Boulvais, P., Dupuy, J.-J., Fontaine, C., Fürsich, F.T., Gauthier-Lafaye, F., Janvier, P., Javaux, E., Ossa Ossa, F., Pierson-Wickmann, A.-C., Riboulleau, A., Sardini, P., Vachard, D., Whitehouse, M., Meunier, A. (2010). Large colonial organisms with coordinated growth behaviour in oxygenated environments 2.1 billion years ago. *Nature* 466, 100-104.
- 254 McAteer, C.A., Daly, J.S., Flowerdew, M.J., Connelly, J.N., Housh, T.B., Whitehouse, M.J. (2010). Detrital zircon, detrital titanite and igneous clast U-Pb geochronology and basement-cover relationships of the Colonsay Group, SW Scotland: Laurentian provenance and correlation with the Neoproterozoic Dalradian Supergroup. *Precambrian Research* 181, 21–42.
- 253 McAteer, C., Daly, J.S., Flowerdew, M.J., Whitehouse, M.J., Kirkland, C.L. (2010). A Laurentian provenance for the Dalradian rocks of north Mayo, Ireland and evidence for an original basement-cover contact with the underlying Annagh Gneiss Complex. *Journal of the Geological Society* 167, 1033-1048.
- 252 Elming, S., Shumlyanskyy, L., Kravchenko, S., Layer, P., Söderlund, U. (2010). Proterozoic basic dykes in the Ukrainian shield: a palaeomagnetic, geochronologic and geochemical study – the accretion of the Ukrainian Shield to Fennoscandia. *Precambrian Research* 178, 119–135.
- 250 Curtis, M.L., Flowerdew, M.J., Riley, T.R., Whitehouse, M.J., Daly, J.S (2010). Andean sinistral transpression and kinematic partitioning in South Georgia. *Journal of Structural Geology* 32, 464-477.
- 249, 249x Kirkland, C.L., Whitehouse, M.J., Pease, V., Van Kranendonk, M. (2010). Oxygen isotopes in detrital zircons insight into crustal recycling during the evolution of the Greenland Shield. *Lithosphere* 2, 3-12 (and erratum, 472-475).
- 248 Be'eri-Shlevin, Y., Katzir, Y., Blichert-Toft, J., Kleinhanns, I.C., Whitehouse, M.J. (2010). Nd-Sr-Hf-O isotope provinciality in the northernmost Arabian-Nubian Shield: implications for crustal evolution. *Contributions to Mineralogy and Petrology* 160, 181-201.
- 247 Chew, D.M., Daly, S.J., Magna, T., Page, L.M., Kirkland, C.L., Whitehouse, M.J., Lam, R. (2010). Timing of ophiolite obduction in the Grampian Orogen. *Geological Society of America Bulletin*, B30139.1.
- 245 Lahtinen, R., Huhma, H., Kontinen, A., Kohonen, J., Sorjonen-Ward, P. (2010). New constraints for the source characteristics, deposition and age of the 2.1-1.9 Ga metasedimentary cover at the western margin of the Karelian Province. *Precambrian Research* 176, 77-93.
- 244 Riley, T.R., Flowerdew, M.J., Whitehouse, M.J. (2010). Middle Jurassic rhyolite volcanism of eastern Graham Land, Antarctic Peninsula: age correlations and

stratigraphic relationships. *Geological Magazine* 147, 581-595.

- 240 Saalmann, K., Mänttäri, I., Peltonen, P., Whitehouse, M.J., Grönholm, P., Talikka, M. (2010). Geochronology and structural relationships of mesothermal gold mineralization in the Palaeoproterozoic Jokisivu prospect, southern Finland. *Geological Magazine* 147, 551-569.
- 223 Azer, M., Stern, R.J., Kimura, J.I. (2010). Origin of a Late Neoproterozoic (605 ± 13 Ma) intrusive carbonate-albitite complex in Southern Sinai, Egypt. *International Journal of Earth Sciences* 99, 245-267.
- 222 Garde, A.A., Hollis, J. (2010). A buried Palaeoproterozoic spreading ridge in the northern Nagssugtoqidian orogen, West Greenland. *Geological Society of London Special Publication* 338, 213-234.
- 220 Whitehouse, M.J., Kemp, A.I.S. (2010). On the difficulty of assigning magmatic protolith, metamorphic and crustal residence ages to Lewisian granulites – constraints from combined in situ U-Pb and Lu-Hf. *Geological Society of London Special Publication* 335, 81-101.

Publication year 2009

- 243 Lahtinen, R., Huhma, H., Kähkönen, Y., Mänttäri, I. (2009). Paleoproterozoic sediment recycling during multiphase orogenic evolution in Fennoscandia, the Tampere and Pirkanmaa belts, Finland. *Precambrian Research* 174, 310-336.
- 241 Nemchin, A.A., Pidgeon, R.T., Healy, D., Grange, M.L., Whitehouse, M.J., Vaughan, J. (2009) The comparative behavior of apatite-zircon U-Pb systems in Apollo 14 breccias: Implications for the thermal history of the Fra Mauro Formation. *Meteoritics and Planetary Science* 44, 1717–1734.
- 239 Saalmann, K., Mänttäri, I., Ruffet, G., Whitehouse, M.J. (2009). Age and tectonic framework of structurally controlled Palaeoproterozoic gold mineralization in the Häme belt of southern Finland. *Precambrian Research* 174, 53-77.
- 238 Leat, P.T., Flowerdew, M.J., Riley, T.R., Whitehouse, M.J., Scarrow, J.H., Millar, I.L. (2009) Zircon U-Pb dating of Mesozoic volcanic and tectonic events in north-west Palmer Land and south-west Graham Land, Antarctica. *Antarctic Science* 21, 633-641.
- 237 Janák, M., Cornell, D., Froitzheim, N., De Hoog, J.C.M., Broska, I., Vrabec, M., Hurai, V. (2009). Eclogite-hosting metapelites from the Pohorje Mountains (Eastern Alps): P-T evolution, zircon geochronology and tectonic implications. *European Journal of Mineralogy* 21, 1191-1212.
- 235 Mouri, H., Whitehouse, M.J., Brandl, G., Rajesh, H.M. (2009). A magmatic age and four successive metamorphic events recorded in zircons from a single meta-anorthosite sample in the Central Zone of the Limpopo Belt, South Africa. *Journal of the Geological Society, London* 166, 827-830.

- 234 Be'eri-Shlevin, Y., Katzir, Y., Whitehouse, M.J., Kleinhanns, I.C., (2009). Contribution of pre Pan-African crust to formation of the Arabian Nubian Shield: new SIMS U-Pb and O studies of zircon. *Geology* 37, 899-902.
- 228 Kirkland, C.L., Whitehouse, M.J., Slagstad, T. (2009). Fluid assisted zircon and monazite growth within a shear zone; a case study from Finnmark, Arctic Norway. *Contributions to Mineralogy and Petrology* 158, 637-657.
- 227 Cornell, D.H. Pettersson, Å., Whitehouse, M.J., Scherstén, A. (2009). A New Chronostratigraphic Paradigm for the Age and Tectonic History of the Mesoproterozoic Bushmanland Ore District, South Africa. *Economic Geology* 104, 385-404.
- 226 Appelquist, K., Eliasson, T., Bergström, U., Rimša, A. (2009). The Paleoproterozoic Malmbäck Formation in S Sweden: age, composition and tectonic setting. *GFF* 131, 229-243.
- 225 Bingen, B., Jacobs, J., Viola, G., Henderson, I.H.C., Skår, O., Boyd, R., Thomas, R.J., Solli, A., Key, R.M., Daudi, E.X.F. (2009). Geochronology of the Precambrian crust in the Mozambique belt in NE Mozambique, and implications for Gondwana assembly. *Precambrian Research* 170, 231-255.
- 224 Pease, V., Scott, R. (2009). Crustal affinities in the Arctic Uralides, northern Russia: Significance of detrital zircon ages from Neoproterozoic and early Palaeozoic sediments in Novaya Zemlya and Taimyr. *Journal of the Geological Society* 166, 517-527.
- 221 Be'eri-Shlevin, Y., Katzir, Y., Whitehouse, M.J. (2009). Post-collisional tectonomagmatic evolution in the northern Arabian-Nubian Shield: time constraints from ion-probe U-Pb dating of zircon. *Journal of the Geological Society* 166, 71-85.
- 219A Valley, P., Hanchar, J.M., Whitehouse, M.J. (2009). Direct dating of Fe oxide-(Cu-Au) mineralization by U/Pb zircon geochronology. *Geology* 37, 223-226.
- 219 Ranebo, Y., Hedberg, P.M.L., Whitehouse, M.J., Ingeneri, K., Littmann, S. (2009). Improved isotopic SIMS measurements of uranium particles for nuclear safeguard purposes. *Journal of Atomic and Analytical Spectrometry* 24, 277-287.
- 218 Whitehouse, M.J., Myers, J.S., Fedo, C.M. (2009). The Akilia Controversy: field, structural and geochronological evidence questions interpretations of > 3.8 Ga life in SW Greenland. *Journal of the Geological Society* 166, 335-348.
- 217 Montero, P., Talavera, C., Bea, F., Lodeiro, F.G., Whitehouse, M.J. (2009). Zircon geochronology of the Ollo de Sapo Formation and the age of the Cambro-Ordovician rifting in Iberia. *Journal of Geology* 117, 174–191.
- 216 Montero, P., Bea, F., Corretgé, L.G., Floor, P., Whitehouse, M.J. (2009). U-Pb ion microprobe dating and Sr and Nd isotope geology of the Galiñeiro Igneous

Complex. A model for the peralkaline/calc-alkaline duality of the Cambro-Ordovician magmatic rocks of Iberia. *Lithos* 107, 227–238.

- 215A Pettersson, C.H., Tebenkov, A.M., Larionov, A.N., Andresen, A., Pease, V. (2009). Timing of migmatization and granite genesis of the Northwestern Terrane, Svalbard. *Journal of the Geological Society* 166, 147-158.
- 213 Kirkland, C.L. Pease, V. Whitehouse, M.J., Ineson, J.R. (2009). Provenance record from Mesoproterozoic-Cambrian sediments of Peary Land, North Greenland: Implications for the ice-covered Greenland Shield and Laurentian palaeogeography. *Precambrian Research* 170, 43-60.
- 211 Whitehouse, M.J., Nemchin, A.A. (2009). High precision, high accuracy measurement of oxygen isotopes in a large lunar zircon by SIMS. *Chemical Geology* 261, 32-42.
- 210 Zarins, K., Johansson, Å. (2009). U-Pb geochronology of gneisses and granitoids from the Danish island of Bornholm: new evidence for 1.47-1.45 Ga magmatism at the southwestern margin of the East European Craton. *International Journal of Earth Sciences* 98, 1561-1580.
- 193 Gregory, L.C., Meert, J.G., Bingen, B., Pandit, M.K., Torsvik, T.H. (2009). Paleomagnetism and geochronology of the Malani Igneous Suite, Northwest India: Implications for the configuration of Rodinia and the assembly of Gondwana. *Precambrian Research* 170, 13-26.

Publication year 2008

- 246 Mouri, H., Brandl, G., Whitehouse, M., de Waal, S., Guiraud, M. (2008) CL-imaging and ion microprobe dating of single zircons from a high-grade rock from the Central Zone, Limpopo Belt, South Africa: Evidence for a single metamorphic event at 2.0 Ga. *Journal of African Earth Sciences* 50, 111-119.
- 215 Chew, D., Magna, T., Kirkland, C.L., Mišković, A., Cardona, A., Spikings, R., Schaltegger, U. (2008). Detrital zircon fingerprint of the Proto-Andes: Evidence for a Neoproterozoic active margin? *Precambrian Research* 167, 186-200.
- 214 Kirkland, C.L., Daly, J.S., Chew, D.M., Page, L.M. (2008). The Finnmarkian Orogeny revisited: An isotopic investigation in eastern Finnmark, Arctic Norway. *Tectonophysics* 460, 158-177.
- 212 Pietranik, A., Hawkesworth, C., Storey, C., Kemp, A., Sircombe, K., Whitehouse, M., Bleeker, W. (2008). Episodic, mafic crust formation from 4.5 to 2.8 Ga: New evidence from detrital zircons, Slave craton, Canada. *Geology* 36, 875–878.
- 209 Talavera, C., Bea, F., Montero, P., Whitehouse, M. (2008). A revised Ordovician age for the Sisargas orthogneiss, Galicia, (Spain). Zircon U-Pb ion-microprobe and LA-ICPMS dating. *Geologica Acta* 6, 313-317.
- 208 Väisänen, M., Kirkland, C.L. (2008). U-Th-Pb zircon geochronology on igneous rocks

in the Toija and Salittu Formations, Orijärvi area, southwestern Finland: Constraints on the age of volcanism and metamorphism. *Bulletin of the Geological Society of Finland* 80, 73-87.

- 206 Pajunen, M., Airo, M.-L., Elminen, T., Mänttäri, I., Niemelä, R., Vaarma, M., Wasenius P., Wennerström M. (2008). Tectonic evolution of the Svecofennian crust in southern Finland. *Geological Survey of Finland Special Paper* 47, 15-160.
- 205 Skyttä, P., Mänttäri, I. (2008). Structural setting of late Svecofennian granites and pegmatites in Uusimaa Belt, SW Finland: Age constraints and implications for crustal evolution. *Precambrian Research* 164, 86-109.
- 204 Appelquist, K., Cornell, D., Brander, L. (2008). Age, tectonic setting and petrogenesis of the Habo Volcanic Suite: New evidence for an active continental margin setting for the Transscandinavian Igneous Belt. *GFF* 130, 123-138.
- 203 Thöni, M., Miller, C., Blichert-Toft, J., Whitehouse, M., Konzett, J., Zanetti, A. (2008). The timing of high pressure metamorphism and exhumation of the type locality eclogites (Kupplerbrunn – Prickler Halt, Saualpe, Southeastern Austria): constraints from the correlation of Sm-Nd, Lu-Hf, U-Pb, and Rb-Sr isotopic systems. *Journal of Metamorphic Geology* 26, 561-581.
- 202 Kirkland, C.L., Strachan, R.A., Prave, A.R. (2008). Detrital zircon signature of the Moine Supergroup, Scotland: Contrasts and comparisons with other Neoproterozoic successions within the circum-North Atlantic region. *Precambrian Research* 163, 332-350.
- 201 Chew, D., Flowerdew, M.J., Page, L., Crowley, Q., Daly, J.S., Cooper, M., Whitehouse, M.J. (2008). The tectono-thermal evolution and provenance of the Tyrone Central Inlier, Ireland: Grampian imbrication of an outboard Laurentian microcontinent? *Journal of the Geological Society* 165, 675-685.
- 200 Nemchin, A.A., Whitehouse, M.J., Menneken, M., Geisler, T., Pidgeon, R.T., Wilde, S.A. (2008). A light carbon reservoir recorded in zircon-hosted diamond from the Jack Hills. *Nature* 454, 92-95.
- 199 Bolhar, R., Weaver, S.D., Whitehouse, M.J., Palin, J.M., Woodhead, J.D., Cole, J.W. (2008). Sources and evolution of arc magmas inferred from coupled O and Hf isotope systematics of plutonic zircons from the Cretaceous Separation Point Suite (New Zealand). *Earth and Planetary Science Letters* 268, 312-364.
- 198 Söderlund, U., Karlsson, C., Johansson, L., Karlsson, K. (2008). The Kullaberg peninsula – a glimpse of the Proterozoic evolution of SW Fennoscandia. *GFF* 130, 1-10.
- 197 Nemchin, A.A., Pidgeon, R.T., Whitehouse, M.J., Vaughan J.P., Meyer C. (2008). SIMS U–Pb study of zircon from Apollo 14 and 17 breccias: Implications for the evolution of lunar KREEP. *Geochimica et Cosmochimica Acta* 72, 668-689.
- 196 Jacobs, J., Bingen, B., Thomas, R.J., Bauer, W., Wingate, M., Feitio, P. (2008). Early

Palaeozoic orogenic collapse and voluminous late-tectonic magmatism in Dronning Maud Land and Mozambique: insights into the partially delaminated orogenic root of the East African-Antarctic Orogen? *Geological Society of London Special Publication* 308, 69-90.

- 195 Hermansson, T., Stephens, M.B., Corfu, F., Page, L., Andersson, J. (2008). Migratory tectonic switching, western Svecofennian orogen, central Sweden: Constraints from U/Pb zircon and titanite geochronology. *Precambrian Research* 161, 250-278.
- 194 Bergman, S., Högdahl, K., Nironen, M., Ogenhall, E., Sjöström, H., Lundqvist, L., Lahtinen, R. (2008). Timing of Palaeoproterozoic intra-orogenic sedimentation in the central Fennoscandian Shield; evidence from detrital zircon in sandstone. *Precambrian Research* 161, 231-249.
- 192 Kirkland, C.L., Daly, J. S., Whitehouse, M. J. (2008). Basement-cover relationships of the Kalak Nappe Complex, Arctic Norwegian Caledonides and constraints on Neoproterozoic terrane assembly in the North Atlantic region. *Precambrian Research* 160, 245-276.
- 191 Åhäll, K.-I., Connelly, J. (2008). Long-term convergence along SW Fennoscandia: 330 m.y. of Proterozoic crustal growth. *Precambrian Research* 163, 402-421.
- 190 Skridlaite, G., Baginski, B., Whitehouse, M. (2008). Significance of ~1.5 Ga zircon and monazite ages from charnockites in southern Lithuania and NE Poland. *Gondwana Research* 14, 663-674.
- 188 Kirkland, C.L., Alsop, G.I., Prave, A.R. (2008). The brittle evolution of a major strike - slip fault associated with granite emplacement: A case study of the Leannan Fault, NW Ireland. *Journal of the Geological Society* 165, 341 – 352.
- 187 Torvela, T., Mänttäri, I., Hermansson, T. (2008). Timing of deformation phases within the South Finland shear zone, SW Finland. *Precambrian Research* 160, 277-298.
- 177 Konopásek, J., Košler, J., Tajčmanová, L., Ulrich, S., Kitt, S.L. (2008). Neoproterozoic igneous complex emplaced along major tectonic boundary in the Kaoko Belt (NW Namibia) - ion probe and laser ablation ICP-MS dating of magmatic and metamorphic zircons. *Journal of the Geological Society* 165, 153-165.
- 176 Högdahl, K., Sjöström, H., Andersson, U.B., Ahl, M., (2008). Continental margin magmatism and migmatisation in the west-central Fennoscandian Shield. *Lithos* 102, 435-459.

Publication year 2007

- 207 Sláma, J., Košler, J., Condon, D.J., Crowley, J.L., Gerdes, A., Hanchar, J.M., Horstwood, M.S.A., Morris, G.A., Nasdala, L., Norberg N., Schaltegger, U., Schoene, B., Tubrett, M.N., Whitehouse, M.J. (2007). Plesovice zircon – A new natural reference material for U-Pb and Hf isotopic microanalysis, *Chemical Geology* 249, 1-35.

- 189 Skridlaite, G., Whitehouse, M., Rimsa, A. (2007). Evidence for a pulse of 1.45 Ga anorthosite-mangerite-charnockite-granite (AMCG) plutonism in Lithuania: implications for the Mesoproterozoic evolution of the East European Craton. *Terra Nova* 19, 294-301.
- 186 Alexandre, P. (2007). U-Pb zircon SIMS ages from the French Massif Central and implication for the pre-Variscan tectonic evolution in Western Europe. *Comptes Rendus Géosciences* 339, 613-621.
- 185 Chew, D.M., Kirkland, C.L., Schaltegger, U., Goodhue, R. (2007). Neoproterozoic glaciation in the Proto-Andes: tectonic implications and global correlation. *Geology* 35, 1095-1098.
- 184 Srinivasan, G., Whitehouse, M.J., Weber, I., Yamaguchi, A. (2007). The crystallization age of eucrite zircon. *Science* 20, 345-347.
- 183 Pettersson, Å., Cornell, D.H., Moen, G.H.F., Evans, D., Reddy, S. (2007). Ion-probe dating of 1.2 Ga collision and crustal architecture in the Namaqua-Natal Province of southern Africa. *Precambrian Research* 158, 79-92.
- 182 Käpyäho, A., Hölttä, P., Whitehouse, M.J. (2007). U-Pb zircon geochronology of some Archaean migmatites in eastern Finland. *Bulletin of Geological Society of Finland* 79, 95-115.
- 181 Chew, D.M., Graham, J.R., Whitehouse, M.J. (2007). U-Pb zircon geochronology of plagiogranites from the Lough Nafoey (= Midland Valley) arc in western Ireland: constraints on the onset of the Grampian orogeny. *Journal of the Geological Society* 164, 747-750.
- 180 Ahtonen, N., Hölttä, P., Huhma, H. (2007). Intracratonic Paleoproterozoic granitoids in northern Finland: prolonged and episodic crustal melting events revealed by Nd isotopes and U-Pb zircon ages on zircon. *Bulletin of the Geological Society of Finland* 79, 143-174.
- 179 Melezhik, V.A., Huhma, H., Condon, D.J., Fallick, A.E., Whitehouse, M.J. (2007). Temporal constraints on the Paleoproterozoic Lomagundi-Jatuli carbon isotopic event. *Geology* 35, 655-658.
- 178 Whitehouse, M.J., Fedo, C.M. (2007). Microscale heterogeneity of Fe isotopes in >3.71 Ga banded iron formation from the Isua Greenstone Belt, southwest Greenland. *Geology* 35, 719–722.
- 175 Montero, P., Bea, F., González-Lodeiro, F., Talavera C., Whitehouse, M. J. (2007). Zircon ages of the metavulcanites and metagranites of the Ollo de Sapo Domain in central Spain. Implications for the Neoproterozoic to Early-Palaeozoic evolution of Iberia. *Geological Magazine* 144, 963-976.
- 174 Cornell, D.H., Pettersson, Å. (2007). Ion probe zircon dating of metasediments from the Areachap and Kakamas Terranes, Namaqua-Natal Province and the stratigraphic

- integrity of the Areachap group. *South African Journal of Geology* 110, 575-584.
- 173 Chew, D.M., Schaltegger, U., Košler, J., Whitehouse, M.J., Gutjaur, M., Spikings, R.A., Miškovic, A. (2007). U-Pb geochronologic evidence for the evolution of the Gondwanan margin of the north-central Andes. *Geological Society of America Bulletin* 119, 697–711.
- 172 Rimsa, A., Whitehouse, M.J., Johansson, L., Piazolo, S. (2007). Brittle fracturing and fracture healing of zircon: an integrated cathodoluminescence, EBSD, U-Th-Pb and REE study. *American Mineralogist* 92, 1213-1224.
- 171 Möller, C., Andersson, J., Lundqvist, I., Hellström, F. (2007). Linking deformation, migmatite formation and zircon U-Pb geochronology in polymetamorphic gneisses, Sveconorwegian Province, Sweden. *Journal of Metamorphic Geology* 25, 727-750.
- 170 Rimša, A., Johansson, L., Whitehouse, M.J. (2007). Constraints on incipient charnockite formation from zircon geochronology and rare earth element characteristics. *Contributions to Mineralogy and Petrology* 154: 357-369.
- 169 Kuzmichev, A., Pease, V. (2007). Siberian trap magmatism on the New Siberian Islands: constraints for Arctic Mesozoic plate tectonic reconstructions. *Journal of the Geological Society* 164, 959-968.
- 168 Konopelko, D., Biske, G., Seltmann, R., Eklund, O. (2007). Hercynian post-collisional A-type granites of the Kokshaal Range, Southern Tien Shan, Kyrgyzstan. *Lithos* 97, 140-160.
- 167 Hegardt, E.A., Cornell, D.H., Hellström, F.A., Lundqvist, I. (2007). Emplacement ages of the mid-Proterozoic Kungsbacka Bimodal Suite, SW Sweden. *GFF* 129, 227-234.
- 166 Hermansson, T., Stephens, M.B., Corfu, F., Andersson, J., Page, L. (2007). Penetrative ductile deformation and amphibolite-facies metamorphism prior to 1851 Ma in the western part of the Svecofennian orogen, Fennoscandian Shield. *Precambrian Research* 153, 29-45.
- 165 Garde, A.A. (2007). A mid-Archaean island arc complex in the eastern Akia terrane, Godthåbsfjord, southern West Greenland. *Journal of the Geological Society* 164, 565-580.
- 163 Cornell, D.H., Pettersson, Å. (2007). Ion probe dating of the Achab Gneiss, a young basement to the Central Bushmanland Ore District? *African Journal of Earth Sciences* 47, 112-116.
- 162 Kamber, B.S., Whitehouse, M.J. (2007). Micro-scale sulphur isotope evidence for sulphur cycling in the late Archean shallow ocean. *Geobiology* 5, 5-17.
- 160 Flowerdew, M.J., Millar, I.L., Curtis M.L., Vaughan, A.P.M., Horstwood, M.S.A., Whitehouse, M.J., Fanning, C.M. (2007). Combined U-Pb geochronology and Hf isotope geochemistry of detrital zircons from Early Palaeozoic sediments, Ellsworth Whitmore Mountains Block, Antarctica. *Bulletin of the Geological Society of*

America 119, 275-288.

- 159 Kirkland, C.L., Daly, J.S., Eide E.A., Whitehouse, M.J. (2007). Tectonic evolution of the Arctic Norwegian Caledonides from a texturally- and structurally-constrained multi-isotopic (Ar-Ar, Rb-Sr, Sm-Nd, U-Pb) study. *American Journal of Science* 307, 459-526.
- 157 Pidgeon, R.T., Nemchin, A.A., van Bronswijk, W., Geisler, T., Meyer, C., Compston, W., Williams, I.S. (2007). Complex history of a zircon aggregate from lunar breccia 73235. *Geochimica et Cosmochimica Acta* 71, 1370-1381.
- 155 Lee, J., Whitehouse, M.J. (2007). Onset of mid-crustal extensional flow in southern Tibet: Evidence from U/Pb zircon ages. *Geology* 35, 45-48.
- 150 Kirkland, C.L., Daly, J.S., Whitehouse, M.J. (2007). Provenance and terrane evolution of the Kalak Nappe Complex, Norwegian Caledonides: implications for Neoproterozoic palaeogeography and tectonics. *Journal of Geology* 115, 21-41.
- 138 Lorenz, H., Gee, D.G., Whitehouse, M.J. (2007). New geochronological data on Palaeozoic igneous activity and deformation in the Severnaya Zemlya Archipelago, Russia, and implications for the development of the Eurasian Arctic margin. *Geological Magazine* 144, 105-125.
- 135 Fernandez-Suarez J., Arenas R., Martinez Catalan J.R., Abati J., Whitehouse M.J., Jeffries, T.E. (2007). U-Pb chronometry of polymetamorphic high-pressure granulites: An example from the allochthonous terranes of the NW Iberian Variscan Belt. *Geological Society of America Memoir* 200, 469-488.
- 134 Zeck, H.P., Whitehouse, M.J., Ugidos, J.M. (2007). 496 ± 3 Ma zircon ion micro-probe age for Pre-Hercynian granite, N. Portugal (earlier claimed 618 ± 9 Ma). *Geological Magazine* 144, 21-31.

Publication year 2006

- 164 Hollis, J.A., Keiding, M., Stensgaard, B.M., van Gool, J.A.M., Garde, A.A. (2006). Evolution of Neoarchaean supracrustal belts at the northern margin of the North Atlantic Craton, West Greenland. *Geological Survey of Denmark and Greenland Bulletin* 11, 9-31.
- 161 Tuisku, P., Huhma, H. (2006). Evolution of Migmatitic Granulite Complexes: Implications from Lapland Granulite Belt, Part II: Isotopic dating. *Bulletin of the Geological Society of Finland* 78, 143-175.
- 158 Skyttä, P., Väisänen, M., Mänttäri, I. (2006). Preservation of Palaeoproterozoic early Svecofennian structures in the Orijärvi area, SW Finland - evidence for polyphase strain partitioning. *Precambrian Research* 150, 153-172.
- 156 Kirkland, C.L., Daly, J.S., Eide E.A., Whitehouse, M.J. (2006). The structure and timing of lateral escape during the Scandian Orogeny: a combined strain and

geochronological investigation in Finnmark, Arctic Norwegian Caledonides.
Tectonophysics 425, 159-189.

- 154 Hunter, M.A., Riley, T.R., Cantrill, D.J., Flowerdew, M.J., Millar, I.L. (2006). A new stratigraphy for the Latady Basin, Antarctic Peninsula: Part 1, Ellsworth Land Volcanic Group. *Geological Magazine* 143, 777-796.
- 153 Cornell, D.H., Thomas, R.J. (2006). Age and tectonic significance of the Banana Beach Gneiss, KwaZulu-Natal South Coast, South Africa. *South African Journal of Geology* 109, 335-340.
- 152 Skiöld, T., Rutland, R.W.R. (2006). Successive ca. 1.94 Ga plutonism and ca. 1.92 Ga deformation and metamorphism south of the Skellefte district, northern Sweden: Substantiation of the marginal basin accretion hypothesis of Svecofennian evolution. *Precambrian Research* 148, 181-204.
- 151 Laajoki, K., Huhma, H. (2006). Detrital zircon dating of the Palaeoproterozoic Himmerkinlahti Member, Posio, northern Finland; lithostratigraphic implications. *Bulletin of the Geological Society of Finland* 78, 177-182.
- 149 Johansson, Å., Bogdanova, S., Čečys, A. (2006). A revised geochronology for the Blekinge Province, southern Sweden. *GFF* 128, 287-302.
- 148 Bergman, S., Billström, K., Persson, P.O., Skiöld, T., Evins, P. (2006). U-Pb age evidence for repeated Palaeoproterozoic metamorphism and deformation near the Pajala shear zone in the northern Fennoscandian shield. *GFF* 128, 7-20.
- 147 Fernandez-Suarez J., Arenas R., Jeffries T., Whitehouse M.J., Villaseca C. (2006). A U-Pb study of zircons from a lower crustal granulite xenolith of the Spanish Central System: a record of Iberian lithospheric evolution from the Neoproterozoic to the Triassic. *Journal of Geology* 114, 471-483.
- 146 Tenczer, V., Hauzenberger, C.A., Fritz, H., Whitehouse, M.J., Mogessie, A., Wallbrecher, E., Muhongo, S., Hoinkes, G., (2006). Anorthosites in the eastern granulites of Tanzania – SIMS zircon U-Pb age data and geochemical characterization. *Precambrian Research* 148, 85-114.
- 145 Andersson, U.B., Hogdahl, K., Sjoström, H., Bergman, S. (2006). Multistage growth and reworking of the Palaeoproterozoic Bergslagen area, souterh Sweden: evidence from U-Pb geochronology. *Geological Magazine* 143, 679-697.
- 144 Peltonen, P., Mänttäri, I., Huhma, H., Whitehouse, M.J. (2006). Multi-stage origin of the lower crust of the Karelian Craton from 3.5 to 1.7 Ga based on isotopic ages of kimberlite-derived mafic granulite xenoliths. *Precambrian Research* 147, 107-123.
- 143 Nemchin, A.A., Pidgeon, R.T., Whitehouse, M.J. (2006). Re-evaluation of the origin and evolution of >4.2 Ga zircons from the Jack Hills metasedimentary rocks. *Earth and Planetary Science Letters* 244, 218-233.
- 142 Bea, F., Montero, P., Talavera, C., Zinger, T. (2006). A revised age for the oldest

magmatism of Central Iberia: U-Pb Ion Microprobe and LA-ICPMS dating of the Miranda do Douro orthogneiss. *Geologica Acta* 4, 395-401.

- 141 Ahlin, S., Hegardt, E.A., Cornell, D.H. (2006). Nature and stratigraphic position of the 1614 Ma Delsjön augen granite-gneiss in the Median Segment of south-west Sweden. *GFF* 128, 21-32.
- 140 Käpyaho, A., Mänttäri, I., and Huhma, H. (2006). Growth of Archaean crust in the Kuhmo district, eastern Finland: U-Pb and Sm-Nd isotope constraints on plutonic rocks. *Precambrian Research* 146, 95-119.
- 139 Bea, F., Montero, P.G., Gonzalez-Lodeiro, F., Talavera, C., Molina, F.J., Scarrow, J.H., Whitehouse, M., Zinger, T. (2006). U-Pb Ion-Microprobe Dating of the Mafic Rocks and Associated Migmatites of the Toledo Anatectic Complex. Constraints for Mantle-Crust Interaction During the Variscan Anatexis of Central Iberia. *Journal of the Geological Society* 163, 847-855.
- 137 Nemchin, A.A., Whitehouse, M.J., Pidgeon, R.T., Meyer, C. (2006). Oxygen isotopic signature of 4.4–3.9 Ga zircons as a monitor of differentiation processes on the Moon. *Geochimica et Cosmochimica Acta* 70, 1864–1872.
- 136 Fedo, C.M., Whitehouse, M.J., Kamber, B.S. (2006). Geological Constraints in Assessing the Earliest Life on Earth: A Perspective from the Early Archaean (> 3.7 Ga) of Southwest Greenland. *Philosophical Transactions of the Royal Society of London B* 361, 851-867.
- 133 Claesson, S., Bibikova, E., Bogdanova, S., Skobelev, S. (2006). Archaean Terranes, Palaeoproterozoic reworking and Accretion in the Ukrainian Shield, East-European Craton. *Geological Society of London Memoir* 32, 645-654.
- 132 Daly, J.S., Balagansky, V.V., Timmerman, M.J., Whitehouse, M.J. (2006). The Lapland-Kola Orogen: Palaeoproterozoic collision and accretion of the northern Fennoscandian lithosphere. *Geological Society of London Memoir* 32, 579-598.
- 128 Hunter, M.A., Cantrill, D.J., Flowerdew, M. (2006). Latest Jurassic–earliest Cretaceous age for a fossil flora from the Latady Basin, Antarctic Peninsula. *Antarctic Science*, 18, 261-264.
- 127 Pease, V., Persson, S. (2006). Neoproterozoic island arc magmatism of northern Taimyr. In: Scott, R., and Thurston, D. (eds), Proceedings of the Fourth International Conference on Arctic Margins. Minerals Management Service OCS Study MMS 2006-003, U.S. Department of the Interior, 31-49.
- 126 Andersson, U.B., Ghebreab, W., Teklay, M. (2006). Geochronology, geochemistry and petrology of Neoproterozoic calc-alkaline rocks in east-central Eritrea. *Journal of African Earth Sciences* 44, 45-66.
- 124 Kirkland, C.L., Daly, J. S. Whitehouse, M.J. (2006). Granitic magmatism of Grenvillian and late Neoproterozoic age in Finnmark—constraining pre-Scandian deformation in the Kalak Nappe Complex. *Precambrian Research* 145, 24-5

Publication year 2005

- 131 Hegardt, E.A., Cornell, D., Claesson, L., Simakov, S., Stein, H., Hannah, J. (2005). Eclogites in the central part of the Sveconorwegian eastern segment of the Baltic shield: support for an extensive eclogite terrane. *GFF* 127, 221-232.
- 129 Kamber, B.S., Whitehouse, M.J., Bolhar, R., Moorbathe, S. (2005). Volcanic resurfacing and the early terrestrial crust: Zircon U-Pb and REE constraints from the Isua Greenstone Belt, southern West Greenland. *Earth and Planetary Science Letters* 240, 276-290.
- 128 Hunter, M.A., Cantrill, D.J., Flowerdew, M.J., Millar, I.L. (2005). Middle Jurassic age for the Botany Bay Group: implications for Weddell Sea Basin creation and southern hemisphere biostratigraphy. *Journal of the Geological Society* 162, 745-748.
- 125 Kurhila, M., Vaasjoki, M., Mänttäri, I., Rämö, T., Nironen, T. (2005). U-Pb ages and Nd isotope characteristics of the lateorogenic, migmatizing microcline granites in southwestern Finland. *Geological Survey of Finland Bulletin* 77, 105-128.
- 123 Kemp, A.I.S., Wormald, R.J., Whitehouse, M.J., Price, R.C. (2005). Hf isotopes in zircon reveal contrasting sources and crystallization histories for alkaline to peralkaline granites of Temora, southeastern Australia. *Geology* 33, 797-800.
- 121 Whitehouse, M.J., Kamber, B.S., Fedo, C.M., Lepland, A. (2005). Integrated Pb- and S-isotope investigation of sulphide minerals from the Early Archean of southwest Greenland. *Chemical Geology* 222, 112-131.
- 120 Jurvanen, T., Eklund, O., Väisänen, M. (2005). Generation of A-type granitic melts during the late Svecofennian metamorphism in southern Finland. *GFF* 127, 139-147.
- 119 Niiranen, T., Mänttäri, I., Poutiainen, M., Oliver, N.H.S., Miller, J.A. (2005). Genesis of Palaeoproterozoic iron skarns in the Misi region, northern Finland. *Mineralium Deposita* 40, 192-217.
- 118 Vuorinen, J.H., Hålenius U., Whitehouse M.J., Mansfeld J., Skelton A.D.L. (2005). Compositional variations (major and trace elements) of clinopyroxene and Ti-andradite from pyroxenite, ijolite and nepheline syenite, Alnö Island, Sweden. *Lithos* 81, 55-77.
- 117 Bingen, B., Stein, H., Bogaerts, M., Bolle, O., Mansfeld, J. (2005). Molybdenite Re-Os dating constrains gravitational collapse of the Sveconorwegian orogen, SW Scandinavia. *Lithos* 87, 328-346.
- 116 Flowerdew, M.J., Millar, I.L., Vaughan A.P.M., Pankhurst R.J. (2005). Age and tectonic significance of the Lassiter Coast Intrusive Suite, Eastern Ellsworth Land, Antarctic Peninsula. *Antarctic Science* 17, 443-452.
- 115 Sultan, L., Claesson, S., Plink-Björklund, P. (2005). Proterozoic and Archaean ages of

detrital zircon from the Palaeoproterozoic Västervik Basin, SE Sweden: Implications for provenance and timing of deposition. *GFF* 127, 17-24.

- 114 Kemp, A.I.S., Whitehouse, M.J., Hawkesworth, C.J., Alarcon, M.K. (2005). The implications of zircon U-Pb isotope systematics for the genesis of metaluminous granites in the Lachlan Fold Belt, southeastern Australia. *Contributions to Mineralogy and Petrology* 150, 230-249.
- 113 Kirkland, C.L., Daly, J. S., Whitehouse, M.J. (2005). Early Silurian magmatism and the Scandian evolution of the Kalak Nappe Complex, Finnmark, Arctic Norway. *Journal of the Geological Society* 162, 985-1003.
- 112 Kebede, T., Klötzli, U., Košler, J., Skiöld, T. (2005). Understanding the pre-Variscan and Variscan basement components of the central Tauern window, Eastern Alps (Austria): constraints from new single zircon U-Pb geochronology. *International Journal of Earth Sciences* 94, 336-353.
- 111 Nasdala, L., Hanchar, J.M., Kronz, A., Whitehouse, M.J. (2005). Long-term stability of alpha particle damage in natural zircon. *Chemical Geology* 220, 83-103.
- 110 Bingen, B., Skår, Ø., Marker, M., Sigmond, E. M. O., Nordgulen, Ø., Ragnhildstveit, J., Mansfeld, J., Tucker, R.D., Liégeois, J.-P. (2005). Timing of continental building in the Sveconorwegian orogen, SW Scandinavia. *Norwegian Journal of Geology* 85, 87-116.
- 110A Hanski, E., Huhma, H., Perttunen, V. (2005). SIMS U-Pb, Sm-Nd isotope and geochemical study of an arkosite-amphibolite suite, Peräpohja Schist Belt: evidence for ca. 1.98 Ga A-type felsic magmatism in northern Finland. *Bulletin of the Geological Society of Finland* 77, 5-29.
- 109 Flowerdew, M.J., Daly, J.S., Whitehouse, M.J. (2005). 470 Ma granitoid magmatism associated with the Grampian Orogeny in the Slieve Wood Division, NW Ireland. *Journal of the Geological Society* 162, 563-575.
- 106 Whitehouse, M.J., Kamber, B.S. (2005). Assigning dates to thin gneissic veins in high-grade metamorphic terranes - a cautionary tale from Akilia, southwest Greenland. *Journal of Petrology* 46, 291-318.
- 105 Evins, L.Z., Jensen, K.A., Ewing, R.C. (2005). Uraninite recrystallization and Pb-loss in the Oklo and Bangombé natural fission reactors, Gabon. *Geochimica et Cosmochimica Acta*, 69, 1589-1606.
- 98 Bibikova, E.V., Petrova, A., Claesson, S. (2005). The temporal evolution of sanukitoids in the Karelian Craton, Baltic Shield: an ion microprobe U-Th-Pb isotopic study of zircons. *Lithos* 79, 129-145.
- 96 Tichomirowa, M., Whitehouse, M.J., Nasdala, L. (2005). Resorption, growth, solid state recrystallisation and annealing of granulite facies zircon – a case study from the Central Erzgebirge, Bohemian Massif. *Lithos* 82, 25-50.

- 59 Eklund, O., Shebanov, A. (2005). Prolonged postcollisional shoshonitic magmatism in the southern Svecfennian domain – a case study of the Åva granite–lamprophyre ring complex. *Lithos* 80, 229– 247.

Publication year 2004

- 108 Hellström, F. (2004). Implications of the emplacement age of the Kläppsjö gabbro; a mafic layered intrusion in the Bothnian basin, north central Sweden. *GFF* 126, 331-338.
- 107 Ehlers, C., Skiöld, T., Vaasjoki, M. (2004). Timing of Svecfennian crustal growth and collisional tectonics in Åland, SW Finland. *Bulletin of the Finnish Geological Society* 76, 63-91.
- 104 Gnos, E., Hofmann, B.A., Al-Kathiri, A., Lorenzetti, S., Eugster, O., Whitehouse, M.J., Villa, I.M., Jull, A.J.T., Eikenberg, J., Spettel, B., Krähenbühl, U., Franchi, I.A., Greenwood, R.C., (2004). Pinpointing the source of a lunar meteorite: Implications for the evolution of the Moon. *Science* 305, 657-659.
- 103 Klötzli, U.S., Buda, G., Skiöld, T. (2004). Zircon typology, geochronology and whole rock Sr-Nd isotope systematics of the Mecsek Mountain granitoids in the Tisia Terrane (Hungary). *Mineralogy and Petrology* 81, 113-134.
- 102 Söderlund, P. Söderlund, U., Möller, C., Gorbatschev, R., Rodhe, A. (2004). Petrology and ion microprobe U-Pb chronology applied to a metabasic intrusion in southern Sweden: a study on zircon formation during metamorphism and deformation. *Tectonics* 23, TC5005.
- 101 Wiedenbeck, M., Hanchar, J., Peck, W.H., Sylvester, P., Valley, J., Whitehouse, M., Kronz, A., Morishita, Y. Nasdala, L. & twenty one others (2004). Further characterization of the 91500 zircon crystal. *Geostandards and Geoanalytical Research* 28, 9-39.
- 100 Whitehouse, M.J. (2004). Multi-collector SIMS analysis of trace lanthanides in zircon ($ZrSiO_4$). *Geostandards and Geoanalytical Research* 28, 195-201
- 99 Langthaler, K.J., Raith, J.G., Cornell, D.H., Stein, H. J., Melcher, F. (2004). Molybdenum mineralization at Alpeiner Scharte, Tyrol (Austria): results of in-situ U-Pb zircon and Re-Os molybdenite dating. *Mineralogy and Petrology* 82, 33-64.
- 97 Montero P., Bea F., Zinger T.F., Scarrow J.H., Molina J.F., Whitehouse, M. (2004). 55 million years of continuous anatexis in Central Iberia: single-zircon dating of the Peña Negra Complex. *Journal of the Geological Society* 161, 255-263.
- 95 Remizov, D., Pease, V. (Dzela complex, Polar Urals, Russia: A Neoproterozoic island arc? (2004). *Geological Society of London Memoir* 30, 107-123.
- 94 Vernikovsky, V., Vernikovskaya, A., Pease, V., Gee, D. (2004). Neoproterozoic orogeny along the western margin of the Siberia. *Geological Society of London*

Memoirs 30, 233-247.

- 93 Bingen, B., Austrheim, H., Whitehouse, M.J., Davis, W.J. (2004). Trace element signature and U-Pb geochronology of eclogite-facies zircon, Bergen Arcs, Caledonides of W Norway. *Contributions to Mineralogy and Petrology* 147, 671-683.
- 89 Scherstén, A., Larson, S.Å., Cornell, D. H., Stigh, J. (2004). Ion probe dating of a migmatite in SW Sweden: the fate of zircon in crustal processes. *Precambrian Research* 130, 251- 266.
- 88 Kiel, H.M., Cornell, D.H., Whitehouse, M.J. (2004). Age and emplacement conditions of the Chalmers Mafic Intrusion deduced from contact melts. *GFF* 125, 213-220.
- 86 Johansson, Å., Larionov, A., Gee,D., Ohta, Y., Tebenkov, A., Sandelin, S. (2004). Grenvillian and Caledonian tectono-magmatic activity in northeasternmost Svalbard. *Geological Society of London Memoir* 30, 207-232.
- 75 Glodny, J., Pease, V.L., Montero, P., Austrheim, H., Rusin A. (2004). Protolith ages of eclogites, Marun-Keu Complex, Polar Urals, Russia: Implications for the pre- and early Uralian evolution of the NE European continental margin. *Geological Society of London Memoirs* 30, 87-105.

Publication year 2003

- 92 Hellström, F., Hegardt, A.E. (2003). U-Pb geochronology of bimodal magmatisim in the Revsund suite, north central Sweden. *GFF* 125, 237.
- 91 Hellström, F., Larson, S.Å. (2003). U-Pb zircon dating of the Hoting gabbro, north central Sweden. *GFF* 125, 221-228.
- 90 Féménias O, Coussaert N, Bingen B, Whitehouse M, Mercier J-C C, Demaiffe D (2003). A Permian underplating event in late- to post-orogenic tectonic setting. Evidence from the mafic-ultramafic layered xenoliths from Beaunit (French Massif Central). *Chemical Geology* 199, 293-315.
- 87 Andréasson, P.G., Gee, D.G., Schöberg, H., Whitehouse, M.J. (2003). Subduction-flip during Iapetus Ocean closure and Baltica-Laurentia collision, Scandinavian Caledonides. *Terra Nova* 15, 363-369.
- 87a Mutanen, T., Huhma H. (2003). The 3.5 Ga Siurua trondhjemite gneiss in the Archaean Pudasjärvi Granulite Belt, northern Finland. *Bulletin of the Geological Society of Finland* 75, 51-68.
- 85 Konopelko, D., Eklund, O. (2003). Timing and geochemistry of potassic magmatism in the eastern part of the Svecofennian domain, NW Ladoga Lake Region, Russian Karelia. *Precambrian Research* 120, 37-53.
- 84 Paulsson, O., Austrheim, H. (2003). A geochronological and geochemical study of

rocks from Gjelsvikfjella, Dronning Maud Land, Antarctica - implications for Mesoproterozoic correlations and assembly of Gondwana. *Precambrian Research* 125, 113-138.

- 83 Peltonen, P., Mänttäri, I., Huhma, H., Kontinen, A. (2003). Archean zircons from the mantle: the Jormua ophiolite revised. *Geology* 31, 645-648.
- 82 Whitehouse, M.J. (2003). Rare-earth elements in zircon: a review of applications and case studies from the Outer Hebridean Lewisian Complex, NW Scotland. *Geological Society of London Special Publication* 220, 49-64.
- 81 Whitehouse, M.J., Kamber, B.S. (2003). A rare earth element study of complex zircons from early Archaean Amîtsoq gneisses, Godthåbsfjord, south-west Greenland. *Precambrian Research* 126, 363-377.
- 80 Vaasjoki, M., Huhma, H., Lahtinen, R., Vestin, J. (2003). Sources of Svecfennian granitoid rocks in the light of ion probe U-Pb measurements on their zircons. *Precambrian Research* 121, 251-262.
- 79 Kamber, B.S., Collerson, K.D., Moorbathe, S., Whitehouse, M.J. (2003). Inheritance of early Archaean Pb-isotope variability from long-lived Hadean protocrust. *Contributions to Mineralogy and Petrology* 145, 25-46.
- 78 Platt, J.P., Whitehouse, M.J., Kelley, S.P., Carter, A., Hollick, L. (2003). Simultaneous extensional exhumation across the Alboran Basin: Implications for the causes of late-orogenic extension. *Geology* 31, 251-254.
- 77 Raith, J.G., Cornell, D.H., Frimmel, H.E., De Beer, C.H. (2003). New insights into the geology of the Namaqua tectonic province, South Africa, from ion probe dating of the detrital and metamorphic zircon. *Journal of Geology* 111, 347-366.
- 68 Vernikovsky, V., Pease, V.L., Vernikovsky, A., Romanov, A., Gee, D., Travin, A. (2003). First report of early Triassic A-granites and syenite intrusions from Taimyr: product of the northern Eurasian superplume? *Lithos* 66, 23-36.
- 67 Bingen, B., Nordgulen, Ø., Sigmond, E.M.O., Tucker, R.D., Mansfeld, J., Högdahl, C. (2003). Relations between 1.19-1.13 Ga continental magmatism, sedimentation and metamorphism, Sveconorwegian province, S Norway. *Precambrian Research* 124, 215-241.
- 65 Whitehouse, M.J., Platt, J.P. (2003). Dating high-grade metamorphism—constraints from rare-earth elements in zircon and garnet. *Contributions to Mineralogy and Petrology* 145, 61-74.

Publication year 2002

- 76 Weiher, P., Billström, K., Persson, P-O., Bergman Weiher, J. (2002). Relationship between 1.90-1.85 Ga accretionary processes and 1.82-1.80 Ga oblique subduction at the Karelian craton margin, Fennoscandian shield. *GFF* 124, 163-180.

- 74 Andersen, T., Andresen, A., Sylvester, A.G. (2002). Timing of late- to post-tectonic Sveconorwegian granitic magmatism in south Norway. *Norges geologiske undersøkelse Bulletin* 440, 5-18.
- 73 Andersen, T., Andresen, A., Sylvester, A.G. (2002). Age and Petrogenesis of the Tinn granite, Telemark, south Norway, and its geochemical relation to metarhyolite of Rjukan Group. *Norges geologiske undersøkelse Bulletin* 440, 19-26.
- 72 Paulsson, O., Andréasson, P.-G. (2002). Attempted break-up of Rodinia at 850 Ma: geochronological evidence from the Seve-Kalak Superterrane, Scandinavian Caledonides. *Journal of the Geological Society* 159, 751-761.
- 71 Mänttäri, I., Hölttä, P. (2002). U-Pb dating of zircons and monazites from Archean granulites in Varpaisjärvi, Central Finland: evidence for multiple metamorphism and Neoarchean terrane accretion. *Precambrian Research* 118, 101-131.
- 70 Whitehouse, M.J., Kamber, B.S. (2002). On the overabundance of light rare earth elements in terrestrial zircons and its implications for Earth's earliest magmatic differentiation. *Earth and Planetary Science Letters* 204, 333-346.
- 69 Downes, H., Peltonen, O., Mänttäri, I., Sharkov, E.V. (2002). Proterozoic zircon ages from lower crustal granulite xenoliths, Kola Peninsula, Russia: evidence for crustal growth and reworking. *Journal of the Geological Society* 159, 485-488.
- 66 Tebenkov, A.M., Sandelin, S., Gee, D.G., Johansson, Å., (2002). Caledonian migmatization in central Nordaustlandet, Svalbard. *Norsk Geologisk Tidsskrift* 82, 15-28.
- 64 Johansson, Å., Larionov, A.N., Tebenkov, A.M., Ohta, Y., Gee, D.G. (2002). Caledonian granites of western and central Nordaustlandet, northeast Svalbard. *GFF* 124, 135-148.
- 62 Bingen, B., Mansfeld, J., Sigmond, E.M.O., Stein, H. (2002). Baltica-Laurentia link during the Mesoproterozoic: 1.27Ga development of continental basins in the Sveconorwegian orogen, southern Norway. *Canadian Journal of Earth Sciences* 39, 1425-1440.
- 61 Zeck, H.P., Whitehouse, M.J. (2002). Pre-eruptional magmatic zircon, Neogene Alborán volcanic province, SE Spain. *Journal of the Geological Society* 159, 343-346.
- 60 Väisänen, M., Mänttäri, I., Hölttä, P. (2002). Svecofennian magmatic and metamorphic evolution in southwestern Finland as revealed by U-Pb zircon SIMS geochronology. *Precambrian Research* 116, 111-128.
- 58 Alm, E., Sundblad, K., Schöberg, H. (2002). Geochemistry and age of two orthogneisses in the Proterozoic Mjøsa-Vänern ore district, southwestern Scandinavia. *GFF* 124, 45-61.

- 57 Lahtinen, R., Huhma, H., Kousa, J. (2002). Contrasting source components of the Paleoproterozoic Svecofennian metasediments: Detrital zircon U-Pb, Sm-Nd and geochemical data. *Precambrian Research* 116, 81-109.
- 56 Billström, K., Wasström, A., Bergström, U., Stigh, J. (2002). Age, geochemistry and crustal contamination of the Hemberget mafic-ultramafic layered intrusion in the Knaften area, northern Sweden. *SGU series C, Radiometric dating results* C834, 18-30.
- 55 Andersson, J., Möller, C., Johansson, L. (2002). Zircon geochronology of migmatite gneisses along the Mylonite Zone (S Sweden): a major Sveconorwegian terrane boundary in the Baltic Shield. *Precambrian Research* 114, 121-147.
- 54 Evans, P.M., Mansfeld, J., Laajoki, K., (2002). Geochronology of the Suomujärvi Complex: a new Archean gneiss region in the NE Baltic Shield, Finland. *Precambrian Research* 116, 285-306.
- 52 Košler, J., Fonneland, H.C., Sylvester, P., Tubrett, M., Pedersen, R.B. (2002). U-Pb dating of detrital zircons for sediment provenance studies - a comparison of laser ablation ICPMS and SIMS techniques. *Chemical Geology* 182, 605-618.
- 46 Söderlund, U., Möller, C., Andersson, J., Johansson, L., Whitehouse, M. (2002). Zircon geochronology in polymetamorphic gneisses in the Sveconorwegian orogen, SW Sweden: ion microprobe evidence for 1.46-1.42 and 0.98-0.96 Ga reworking. *Precambrian Research* 113, 193-225.
- 45 Zeck, H.P., Whitehouse, M.J. (2002). Repeated age resetting in zircons from Hercynian-Alpine polymetamorphic schists (Betic-Rif tectonic belt, S. Spain) - a U-Th-Pb ion microprobe study. *Chemical Geology* 182, 275-292.
- 35 Thrane, K. (2002). Relationships between Archaean and Palaeoproterozoic crystalline basement complexes in the southern part of the East Greenland Caledonides: an ion microprobe study. *Precambrian Research* 113, 19 - 42.

Publication year 2001

- 63 Rämö, O.T., Vaasjoki, M., Mänttäri, I., Elliott, B.A., Nironen, M. (2001). Petrogenesis of the post-kinematic magmatism of the Central Finland Granitoid Complex I; Radiogenic isotope constraints and implications for crustal evolution. *Journal of Petrology* 42, 1971-1993.
- 53 Bea, F., Fershtater, G.B., Montero, P., Whitehouse, M., Levin, V., Scarrow, J.H., Austrheim, H., Pushkariev, E.V. (2001). Recycling of continental crust into the mantle as revealed by Kytlym Dunite zircons, the Urals. *Terra Nova* 13, 407-412.
- 51 Knudsen, T.-L., Fossen, H (2001). The Late Jurassic Bjørøy Formation: A provenance indicator for offshore sediments derived from SW Norway as based on single zircon (SIMS) data. *Norwegian Journal of Geology* 81, 283-292.

- 50 Pedersen, R.B., Searle, M.P., Corfield, R.I. (2001). U-Pb zircon ages from the Spontang Ophiolite, Ladakh Himalaya. *Journal of the Geological Society* 158, 513-520.
- 49 Evins, P., Laajoki, K. (2001). Age of the Tokkalehto metagabbro and its significance to the lithostratigraphy of the early Proterozoic Kuusamo Supracrustal Belt, northern Finland. *Bulletin of the Geological Society of Finland* 73, 5-15.
- 48 Peltonen, P., Mänttäri, I. (2001). An ion microprobe U-Th-Pb study of zircon xenocrysts from the Lahtojoki kimberlite pipe, eastern Finland. *Bulletin of the Geological Society of Finland* 73, 47-58.
- 47 Grantz, A., Pease, V., Willard., D., Phillips, R., Clark, D. (2001). Bedrock cores from 89°N: Implications for the geologic framework and paleoceanography of Lomonosov Ridge and a tie to the Barents shelf. *Geological Society of America Bulletin* 113, 1272-1281.
- 44 Bingen, B., Birkeland, A., Nordgulen, Ø., Sigmond, E.M.O. (2001). Correlation of supracrustal sequences and origin of terranes in the Sveconorwegian orogen of SW Scandinavia: SIMS data on zircon in clastic metasediments. *Precambrian Research* 108, 293-318.
- 43 Högdahl, K., Gromet, L.P., Broman, C. (2001). Low P- T Caledonian resetting of U-rich Paleoproterozoic zircons, central Sweden. *American Mineralogist* 86, 534-546.
- 42 Pease, V., Gee, D.G., Vernikovsky, V., Vernikovskaya, A., Kireev, S. (2001). Geochronological evidence for late-Grenvillian magmatic and metamorphic events in central Taimyr, northern Siberia. *Terra Nova* 13, 270-280.
- 40 Mänttäri, I., Koivisto, M. (2001). Ion microprobe uranium-lead dating of zircons from the Lappajärvi impact crater, western Finland. *Meteoritics and Planetary Science* 36, 1087-1095.
- 39 Bibikova, E.V., Claesson, S., Glebovitsky, V.A., Sedova, I.S., Ruch'ev, A.M. (2001). Isotope dating of the Svecofennian metamorphism of the Belomorian Belt, Baltic Shield. *Geochemistry International* (English translation of Geokhimiya) 39, 1023-1026.
- 36 Johansson, Å. (2001) The Eskolabreen granitoids revisited - an ion microprobe study of complex zircons from late Palaeoproterozoic granitoids within the Ny Friesland Caledonides, Svalbard. *GFF* 123, 1-5.
- 34 Zetterström, L., Sunde, T. (2001). Galena crystallisation and the origin of sulfur in the Oklo and Bangombé natural reactors: the effects of a ca. 900 Ma thermal event. *Materials Research Symposium Proceedings* 663, 953-960.
- 33 Johansson, L., Möller, C., Söderlund, U. (2001). Geochronology of eclogite facies metamorphism in SW Sweden. *Precambrian Research* 106, 261-275.
- 31 Högdahl, K., Sjöström, H. (2001). Evidence for 1.82 Ga transpressive shearing in a

- 1.85 Ga granitoid in central Sweden: implications for the regional evolution.
Precambrian Research 105, 37-56.
- 30 Knudsen, T.-L. (2001). Contrasting provenance of Triassic/Jurassic sediments in North Sea Rift: a single zircon (SIMS), Sm-Nd and trace element study. *Chemical Geology* 171, 273-293.
- 29 Petersson, J., Whitehouse, M.J., Eliasson, T. (2001). Ion microprobe U-Pb dating of hydrothermal xenotime from an episyenite: evidence for rift-related reactivation. *Chemical Geology* 175, 703-712
- 27 Claesson, S., Bogdanova, S.V., Bibikova, E.V., Gorbatschev, R. (2001). Isotopic evidence for Palaeoproterozoic accretion in the basement of the East European Craton. *Tectonophysics* 339, 1-18.
- 26 Bibikova, E.V., Glebovitsii, V.A., Claesson, S., Miller, Yu.V., Kirnozova, T.I., Myskova, T.A., L'vov, A.B., Makarov, V.A. (2001). New Isotopic Data on the Protolith Age and Evolutionary Stages of the Chupa Formation, Belomorian Belt. *Geochemistry International* (English translation of Geokhimiya), 39, suppl. 1, S12-S17.
- 25 Bingen B., Austrheim, H., Whitehouse, M. (2001). Ilmenite as a source for zirconium during high-grade metamorphism? Textural evidence from the Caledonides of W. Norway and implications for zircon geochronology. *Journal of Petrology* 42, 355-375.
- 23 Mathieu, R., Zetterström, L., Cuney, M., Gauthier-Lafaye, F., Hidaka, H (2001) Alteration of monazite and zircon and lead migration as geochemical tracers of fluid paleocirculations around the Oklo-Okélobondo and Bangombé natural nuclear reaction zones (Franceville basin, Gabon). *Chemical Geology* 171, 147-171.
- 22 Rutland, R.W.R., Skiöld, T., Page, R.W. (2001). Age of deformation episodes in the Palaeoproterozoic domain of northern Sweden, and evidence for a pre-1.9 Ga crustal layer. *Precambrian Research* 112, 239-259.
- 21 Daly, J.S., Balagansky, V.V., Timmerman, M.J., Whitehouse, M.J., de Jong, K., Guise, P., Bogdanova, S., Gorbatschev, R., Bridgwater, D. (2001) Ion microprobe U-Pb zircon geochronology and isotopic evidence for a trans-crustal suture in the Lapland-Kola Orogen, northern Fennoscandian shield. *Precambrian Research* 105, 289-314.
- 20 Chavagnac, V., Jahn, B.-M., Villa, I.M., Whitehouse, M.J., Liu, D. (2001). Multichronometric evidence for an in situ origin of the ultrahigh-pressure metamorphic terrane of Dabieshan, China. *Journal of Geology* 109, 633-646.
- 12 Whitehouse, M.J., Bridgwater, D. (2001). Geochronological constraints on Paleoproterozoic crustal evolution and regional correlations of the northern Outer Hebridean Lewisian Complex, Scotland. *Precambrian Research* 105, 227-245.
- 7x Whitehouse, M.J., Kamber, B., Moorbat, S. (2001). Age significance of U-Th-Pb zircon data from early archaean rocks of west Greenland - A reassessment based on

combined ion-microprobe and imaging studies - Reply. *Chemical Geology* 175, 201-208

Publication year 2000

- 41 Sigmond, E.M.O., Birkeland, A., Bingen, B. (2000). A possible basement to the Mesoproterozoic quartzites on Hardangervidda, South-central Norway: zircon U-Pb geochronology of a migmatitic gneiss. *Norges geologiske undersøkelse Bulletin* 437, 25-32.
- 37 Cornell, D.H., Årebäck, H., Schersten, A. (2000). Ion microprobe discovery of Archaean and Early Proterozoic zircon xenocrysts in southwest Sweden. *GFF* 122, 377-383.
- 32 Högdahl, K. (2000). 1.86-1.85 Ga intrusive ages of K-feldspar megacryst-bearing granites in the type area of the Revsund granites in Jämtland County, central Sweden. *GFF* 122, 359-366.
- 24 Scherstén, A., Årebäck, H., Cornell, D., Hoskin, P., Åberg, A., Armstrong, R. (2000). Dating mafic-ultramafic intrusions by ion-microprobing contact-melt zircon: examples from SW Sweden. *Contributions to Mineralogy and Petrology* 139, 115-125.
- 17 Weinberg, R.F., Dunlap, W.J., Whitehouse, M.J. (2000). New field, structural and geochronological data from the Shyok and Nubra valleys, N Ladakh: linking Kohistan to Tibet. *Geological Society of London Special Publication* 170, 253-275.
- 16 Claesson, S., Vetrin, V., Bayanova, T., Downes, H. (2000). U-Pb zircon ages from a Devonian carbonatite dyke, Kola peninsula, Russia: A record of geological evolution from the Archaean to the Palaeozoic. *Lithos* 51, 95-108.
- 16a Johansson, Å, Larionov, A.N., Tebenkov, A.M., Gee, D.G., Whitehouse, M.J., Vestin, J. (2000). Grenvillian magmatism of western and central Nordaustlandet, northeastern Svalbard. *Transactions of the Royal Society of Edinburgh: Earth Sciences* 90, 221-254.
- 15 Hölttä, P., Huhma, H., Mänttäri, I., Paavola, J. (2000) P-T-t development of Archaean granulites in Varpaisjarvi, Central Finland, II: Dating of High-grade metamorphism with the U-Pb and Sm-Nd methods. *Lithos* 50, 121-136.
- 14 Hölttä, P., Huhma, H., Mänttäri, I., Peltonen, P., Juhanoja, J. (2000). Petrology and geochemistry of mafic granulite xenoliths from the Lahtojoki kimberlite pipe, eastern Finland. *Lithos* 51, 109-133.

Publication year 1999

- 28 Mouri, H., Korsman, K., Huhma, H. (1999). Tectonometamorphic evolution and timing of the melting processes in the Svecofennian tonalitetrondhjemite migmatitic

belt: an example from Luopioinen, Tampere area, southern Finland. *Bulletin of the Geological Society of Finland* 1, 31-56.

- 18 Knudsen, T.-L., Andersen, T. (1999). Petrology and geochemistry of the Tromøy gneiss complex, South Norway, an alleged example of Proterozoic depleted lower continental crust. *Journal of Petrology* 40, 909-933.
- 13 Andersson, J., Söderlund, U., Cornell, D., Johansson, L., Möller, C. (1999). Sveconorwegian (-Grenvillian) deformation, metamorphism and leucosome formation in SW Sweden: constraints from a Mesoproterozoic granite intrusion. *Precambrian Research* 98, 151-171
- 11 de Haas, G.J., Andersen, T., Vestin, J. (1999). Detrital zircon geochronology: new evidence for an old model for accretion of the SW Baltic Shield. *Journal of Geology* 107, 569-586.
- 10 Nicolescu, S., Cornell, D.H., Bojar, A.V. (1999). Age and tectonic setting of Bocsa and Ocna de Fier - Dognecea granodiorites (southwest Romania) and of associated skarn mineralisation. *Mineralium Deposita* 34, 743-753.
- 9 Platt, J. P., Whitehouse, M. J. (1999). Early Miocene high-temperature metamorphism and rapid exhumation in the Betic Cordillera (Spain): evidence from U-Pb zircon ages. *Earth and Planetary Science Letters* 171, 591-605.
- 7 Whitehouse, M.J., Kamber, B., Moorbathe, S. (1999). Age significance of U-Th-Pb zircon data from early Archaean rocks of west Greenland - a reassessment based on combined ion-microprobe and imaging studies. *Chemical Geology* 160, 201-224.
- 6 Zeck, H.P., Whitehouse, M.J. (1999). Hercynian, Pan-African, Proterozoic and Archean ion-microprobe zircon ages for a Betic-Rif core complex, Alpine belt, W. Mediterranean - consequences for its P-T-t path. *Contributions to Mineralogy and Petrology* 134, 134-149.

Publication year 1998

- 19 Larson, S. Å., Tullborg, E.-L. (1998). Why Baltic Shield zircons yield late Paleozoic lower-intercept ages on U-Pb concordia. *Geology* 26, 919-922.
- 8 Pease, V., Vernikovsky, V. (1998). The tectonomagmatic evolution of the Taimyr Peninsula: Further constraints from new ion-microprobe data. *Polarforschung* 68, 171-178.
- 5 Platt, J. P., Soto, J.-I., Whitehouse, M.J., Hurford, A.J., Kelley, S.P. (1998). Thermal evolution, rate of exhumation, and tectonic significance of metamorphic rocks from the floor of the Alboran extensional basin, western Mediterranean. *Tectonics* 17, 671-689.

Publication year 1997

- 4 Birkeland, A., Sigmond, E.M.O., Whitehouse, M.J., Vestin, J. (1997). From Archean to Proterozoic on Hardangervidda, South Norway. *Norges geologiske Undersøkelse, Bulletin* 433, 4-5.
- 3 Whitehouse, M.J., Bridgwater, D., Park, R.G. (1997). Detrital zircon ages from the Loch Maree Group, Lewisian Complex, NW Scotland: confirmation of a Palaeoproterozoic Laurentia-Fennoscandia connection. *Terra Nova* 9, 260-263.
- 2 Knudsen, T.-L., Andersen, T., Whitehouse, M. J., Vestin, J. (1997). Detrital zircon ages from Southern Norway - implications for the Proterozoic evolution of the southwestern Baltic Shield. *Contributions to Mineralogy and Petrology* 130, 47-58.
- 1 Whitehouse, M.J., Claesson, S., Sunde, T., Vestin, J. (1997). Ion-microprobe U-Pb zircon geochronology and correlation of Archaean gneisses from the Lewisian Complex of Gruinard Bay, northwestern Scotland. *Geochimica et Cosmochimica Acta* 61, 4429-4438.