

- 1: Thybo, H., 1984: Årsager til mulige fejltolkninger af reflek-sions-seismiske sektioner belyst ved eksempler. Dansk Geol. Foren., Årsskrift for 1983, 89-97.
- 2: Thybo, H., 1986: An algorithm for fast time domain computation of one-dimensional synthetic vertical seismic profiles. *Geophysical Prospecting* 34, 833-844.
- 3: Thybo, H., 1986: Theoretical seismograms for coal seams. *GeoSkifter* 24, 271-283.
- 4: Thybo, H., 1986: Theoretical studies of the sea floor effect on reflection seismic data. Lic.scient. afhandling, Århus Universitet, 188pp. Published 1990 i *GeoSkifter* 37, 1-188.
- 5: Thybo, H., 1989: Wrap around removal from one dimensional synthetic seismograms. *Geophysics* 54, 911-915.
- 6: Thybo, H., 1990: Interpretation of coincident seismic reflection and refraction profiles across the active subduction zone of Western Canada. In: Green, A.G. and Clowes, R. (eds), *Studies of Laterally Heterogeneous Structures using Seismic Refraction and Reflection data*. Geological Survey of Canada Paper 89-13, 65-77.
- 7: Thybo, H., Kiørboe, L.L., Møller, C., Schönharting, G. and Berthelsen, A., 1990. Geophysical and tectonic modelling of EUGENO-S profiles. In R. Freeman and St. Mueller (eds.) *Proceedings of the VI Workshop on the European Geotraverse Project*. ESF. Strassbourg, pp. 93-104.
- 8: BABEL Working Group, 1990. Evidence for early Proterozoic plate tectonics from seismic reflection profiles in the Baltic Shield. *Nature*. Vol. 348, No. 6296, 34-38.
- 9: Thybo, H., 1990. A seismic model along the EGT profile - from the North German Basin into the Baltic Shield. In R. Freeman and St. Mueller (eds) *Proceedings of the 5th Study Centre on the European Geotraverse Project*. ESF Strasbourg, pp. 99-108.
- 10: Thybo, H., Kiørboe, L.L., Møller, C., Schönharting, G., and Berthelsen, A., 1991. Integrated geophysical and tectonic interpretation of EUGENO-S. In N. Balling, O.B. Nielsen, J.A. Korstgård and S.B. Nielsen, *Proceedings of Basin Workshop Aarhus 1989*, *Geoskrifter* 35, 41-50.
- 11: Thybo, H., 1991: On the choice of wavenumbers in visco-elastic seismic modelling with discrete wavenumber-frequency methods. *Physics of the Earth and Planetary Interiors*, 68, 285-293.
- 12: Thybo, H., and Schönharting, G., 1991: Geophysical evidence for early Permian igneous activity in a transtensional environment, Denmark. *Tectonophysics*, 189, 193-208.
- 13: BABEL Working Group, 1991. Deep seismic survey images structure of Tornquist Zone beneath Southern Baltic Sea. *Geophysical Research Letters*, 18, 1091-1094.
- 14: BABEL Working Group, 1991. Recording marine airgun shots at offsets between 300 and 700 km. *Geophysical Research Letters*, 18, 645-648.
- 15: KRISP Working Party, 1991. Large scale variation in lithospheric structure along and across the Kenya Rift. *Nature*, Vol. 354, No. 6350, 223-227.
- 16: BABEL Working Group, 1991. Reflectivity of a Proterozoic shield: Examples from BABEL seismic profiles across Fennoscandia. *AGU Geodyn. Ser.*, 22, 77-86.
- 17: Thybo, H. and Flueh, E.R., 1992. Interpretation of coincident seismic reflection and refraction data across the Tornquist Fan in the southern Baltic Sea. In: R. Meissner et al. (Eds.), *The BABEL Project*, Brussels. 151 - 155.
- 18: Achauer, U., Maguire, P.K.M., Mechie, J., Green, W.V., and the KRISP Working Group, 1992. Some remarks on the structure and geodynamics of the Kenya Rift. *Tectonophysics* 213, 257-269.
- 19: Aichroth, B., Prodehl, C., Thybo, H., 1992. Crustal structure along the central segment of the EGT from seismic refraction studies. *Tectonophysics*, 207, 43-64.
- 20: Keller, R.K., Braile, L.W., Davis, P.M., Meyer, R.P., Mooney, W.D., and the KRISP Working Group, 1992. Kenya Rift International Seismic Project, 1989-1990 Experiment. *EOS*, 73 (33), 245 - 351.
- 21: BABEL Working Group, 1993. Integrated seismic studies of the Baltic Shield using data in the Gulf of Bothnia Region. *Geophysical Journal International* 112, 305 - 324.
- 22: BABEL Working Group (H. Thybo, E. R. Flueh et al.), 1993. Deep seismic reflection/refraction interpretation of crustal structure along BABEL profiles A and B in the southern Baltic Sea. *Geophysical Journal International* 112, 325-343.

- 23: ILIHA DSS Group. A deep seismic sounding investigation of lithospheric heterogeneity and anisotropy beneath the Iberian Peninsula. *Tectonophysics* 221, 35-51.
- 24: Thybo, H., Flueh, E., and BABEL Working Group, 1993. Project BABEL - Integrated interpretation of seismic reflection and refraction data across the narrow Tornquist Fan in the Baltic Sea. *Publ. Inst. Geophys. Pol. Ac. Sciences* 255, 147 - 152.
- 25: Blundell, D.J., and the BABEL Working Group, 1993. Seismic reflectivity of the crust in transition from basin to platform regions in Europe. *Bull. Soc. geol. de France* 164, 343-351.
- 26: Öhlander B., Skiöld T., Elming S.Å., BABEL Working Group, Claesson S., and Nisca D.H., 1993. Delineation and character of the Archean-Proterozoic Boundary in northern Sweden. *Precambrian Research*, 64, 67-84.
- 27: Thybo, H., Abramovitz, T., Lassen, A., and Schjøth, F., 1994. Deep structure of the Sorgenfrei-Tornquist Zone interpreted from BABEL seismic data. *Z. geol. Wiss.* 22, 3-17.
- 28: Meissner, R., Sadowiak, P., Thomas, S.A., and BABEL Working Group, 1994. East Avalonia, the third partner in the Caledonian collisions: evidence from deep seismic reflection data. *Geol. Rundsch.* 83, 186-196.
- 29: Gajewski, D., Schulte, A., Riaroh, D., and Thybo, H., 1994. Deep seismic sounding in the Lake Turkana depression, northern Kenya Rift. *Tectonophysics*, 236, 165-178.
- 30: Prodehl, C., Jacob, B., Thybo, H., Dindi, E., and Stangl, R., 1994. Crustal structure on the northeastern flank of the Kenya Rift. *Tectonophysics*, 236, 271-290.
- 31: Luosto, U., Grad, M., Guterch, A., Heikkinen, P., Janik, T., Komminaho, K., Lund, C., Thybo, H., and Yliniemi, J., 1994. Crustal structure along the SVEKA'91 profile in Finland. In: K. Makropoulos and P. Suhadolc (Eds.), *European seismological Commission, XXIV general Assembly, Proceedings and Activity report 1992-1994, Vol. II*, 974-983.
- 32: KRISP Working Group, 1995. Group takes a fresh look at the lithosphere underneath Southern Kenya. *EOS*, 76:73, 81-82.
- 33: Zhou, S. and Thybo, H., 1996. Calculation of residual gravity anomalies in northern Jutland, Denmark. *First Break*, 14, 129-134.
- 34: Perchuc, E., and Thybo, H., 1996. A new model of Upper mantle P-wave velocity below the Baltic Shield: indication of partial melt in the 95 to 160 km depth range. *Tectonophysics* 253, 227-245.
- 35: Hole, J.A., Thybo, H., Klemperer, S.L., 1996. Seismic reflections from the near-vertical San Andreas Fault. *Geophysical Research Letters*, 23, 237-240.
- 36: Sten, E., Thybo, H., and Noe-Nygaard, N., 1996. Resistivity and georadar mapping of lacustrine and glaciofluvial sediments in the late-glacial to postglacial Store Aamosse basin, Denmark. *Bulletin of the Geological Society of Denmark*, 43, 87-98.
- 37: MONA LISA Working Group (H. Thybo et al.), 1997. Deep seismic investigations of the lithosphere in the southeastern North Sea. *Tectonophysics* 269, 1-19.
- 38: Abramovitz, T., Thybo, H., and Berthelsen, A., 1997. Proterozoic sutures and terranes in the southeastern Baltic Shield interpreted from BABEL deep seismic data. *Tectonophysics* 270, 259-277.
- 39: Thybo, H. and Perchuc, E., 1997. The seismic 8 degree Discontinuity and Partial Melting in Continental Mantle. *Science* 275, 1626-1629.
- 40: Thybo, H., 1997. Geophysical characteristics of the Tornquist Fan area, northwest TESZ: Indication of Late Carboniferous to Early Permian dextral transtension. *Geological Magazine* 134, 597-606.
- 41: Birt, C.S., Maguire, P.K.H., Khan, M.A., Thybo, H., Keller, R., and Patel, J., 1997. The influence of pre-existing structures on the evolution of the southern Kenya Rift Valley - Evidence from seismic and gravity studies. *Tectonophysics* 278, 211-242.
- 42: Miller, K.C., Keller, G.R., Gridley, J.M., Mooney, W.D., Luetgert, J.H., and Thybo, H., 1997. Crustal structure along the western flanks of the Cascades, western Washington. *J. Geophys. Res.*, 102, 17857-17873
- 43: Mechie, J., and 14 others (incl. H. Thybo). The structure of the Kenya Rift from wide-angle seismic measurements. *Geol. Soc. of Africa '95 Conference Proceedings*, 287-304.
- 44: Thybo, H. and Perchuc, E., 1997. A partially molten zone beneath the global 8 degrees discontinuity at ~100 km depth - with a new interpretation of the Lehmann discontinuity. In: K.

- Fuchs (ed.) Upper mantle heterogeneities from active and passive seismology, NATO ASI Series, 17, 343-350.
- 45: Gregersen, S. and Tor Working Group, 1997. Teleseismic tomography in Sweden-Denmark-Germany, Project TOR. . In: K. Fuchs (ed.) Upper mantle heterogeneities from active and passive seismology. NATO ASI Series, 17, 169-170.
- 46: Perchuc, E. and Thybo, H., 1997. The transition from cold to hot areas of North America interpreted from early rise seismic record sections. In: K. Fuchs (ed.) Upper mantle heterogeneities from active and passive seismology. NATO ASI Series, 17, 131-138.
- 47: Thybo, H., Perchuc, E. and Pavlenkova, N., 1997. Two reflectors in the 400 km depth range revealed from peaceful nuclear explosion seismic sections. In: K. Fuchs (ed.) Upper mantle heterogeneities from active and passive seismology. NATO ASI Series, 17, 97-104.
- 48: Zhou, S. and Thybo, H., 1997, Pre-Zechstein geology of the southeast North Sea, offshore Denmark - a geophysical perspective, *First Break*, 15, 387-395.
- 49: Maguire, P.K.H., Birt, C.S., Denton., P., Thybo, H., Khan, M.A., 1997, Experiment design to study crustal and upper mantle processes occurring during active continental extension -a seismic survey in the Kenya Rift. *Journal of Conference Proceedings*, 1, CCSS Workshop 1996, 83-96.
- 50: Mechie, J., and 16 others (incl. H. Thybo), 1997. Controlled source seismic experiments in Kenya. *Proc. IGCP400 Meeting in Dublin 1997. Comm. Dublin Institute for Adv. Studies*, 48, 38-41.
- 51: MONA LISA Working Group (R. England, H. Thybo, N. Balling et al.), 1997, Closure of the Tornquist Sea: Constraints from MONA LISA deep seismic reflection data. *Geology*, 25, 1071-1074.
- 52: Zhou, S. and Thybo, H., 1998, Power spectral analyses of aeromagnetic data and KTB susceptibility logs, and their implications for fractal behavior of crustal magnetization. *Pure and Applied Geophysics*, 1, 147-159.
- 53: Garetzky, R. et al., 1998. Eurobridge '97: Deep seismic sounding of the Ukrainian shield. *Geophysical Journal (Geofizicheskii Zhurnal)*, 18(4): 762-765.
- 54: Garetzky, R. et al., 1998. Eurobridge '96: deep seismic profiling of the junction zone between fennoscandia and sarmatia. *Geophysical Journal (Geofizicheskii Zhurnal)*, 18(4): 758-761.
- 55: Lefmann, A.K.B. and Thybo, H., 1998. Seismic evidence for underplating during formation of rapakivi granite around the Aaland Islands. *Geophysical Journal (Geofizicheskii Zhurnal)*, 18(4): 787-791.
- 56: Nielsen, L.H., Thybo, H., Klinkby, L., Abramovitz, T., and Balling, N., 1998, Fault detection from back-scattered energy in MONA LISA wide-angle sections from the south-eastern North Sea. *First Break*, 16, 119-126.
- 57: DEKORP-BASIN Research Group, 1998, Survey provides seismic insights into an old suture zone. *EOS*, 79(12), 151,159.
- 58: Abramovitz, T., Thybo, H. and MONA LISA Working Group, 1998, Seismic structure across the Caledonian Deformation Front along MONA LISA profile 1 in the southeastern North Sea. *Tectonophysics*, 288, 153-176.
- 59: Thybo, H., 1998. Deep Structure of the Swiss Alps: Results of NRP 20. O.A. Pfiffner, P. Lehner, P. Heitzmann, St. Mueller, and A. Steck (editors); Birkhäuser, Basel (book review). *Surveys in Geophysics*, 207-209.
- 60: Dahl-Jensen, T., Thybo, H., Hopper, J., and Rosing, M., 1998, Crustal structure at the SE Greenland margin from wide-angle and normal incidence seismic data. *Tectonophysics*, 288, 191-198.
- 61: Guterch, A., Grad, M., Thybo, H., Miller K., and Keller, G.R., 1998, POLONAISE seismic experiment spreads across Poland. *EOS*, 79(26), 302,305.
- 62: Thybo, H., Perchuc, E., and Gregersen, S., 1998, Interpretation in Statu Nascendi of seismic wide-angle reflections based on EUGENO-S data. *Tectonophysics*, 289, 281-294.
- 63: Wybranic, S, Zhou, S, Thybo, H., Forsberg, R., Perchuc, E., Lee, M., Demianov, G.D., and Strakhov, V.N., 1998. New map compiled of Europe's gravity field. *EOS*, 79(37), 437, 442.
- 64: Abramovitz, T. and Thybo, H. 1999, Pre-Zechstein structures around the MONA LISA deep seismic lines in the southern Horn Graben area. *Bull. Dan. geol. Soc.*, 45, 99-116.
- 65: Nielsen, L., Thybo, H., and Solodilov, L., 1999, Seismic tomographic inversion of Russian PNE data along profile Kraton, *Geoph. Res. Lett.* 26, 3413-3416.

- 66: Thybo, H., Pharaoh, T., and Guterch, A. (eds.), 1999, Introduction to Special Volume on Geophysical Investigations of the Trans European Suture Zone, *Tectonophysics*, 314, 1-5.
- 67: Abramovitz, T.; Landes, M., Thybo, H.; Jacob, A.W.B. and Prodehl, C., 1999: Crustal velocity structure across the Tornquist and Iapetus Suture Zones - A comparison based on MONA LISA and VARNET data. *Tectonophysics*, 314, 69-82.
- 68: EUROBRIDGE Seismic Working Group (M. Grad, H. Thybo, J. Ylieniemä, R. Giese, B. Doody et al.), 1999, Seismic velocity structure across the Fennoscandia-Sarmatia suture of the East European Craton beneath the EUROBRIDGE profile through Lithuania and Belarus. *Tectonophysics*, 314, 193-218.
- 69: A. Guterch, M. Grad, H. Thybo, R. Keller and the POLONAISE Working Group, 1999: POLONAISE '97 - An international seismic experiment between Precambrian and Variscan Europe in Poland. *Tectonophysics*, 314, 101-122.
- 70: P. Sroda and POLONAISE Working Group, 1999: P- and S-wave velocity model of the southwestern margin of the Precambrian East European Craton; POLONAISE '97, profile P3. *Tectonophysics*, 314, 175-192.
- 71: M. Wilde-Piórko, M. Grad and POLONAISE Working Group, 1999: Regional and teleseismic events recorded across the TESZ during POLONAISE'97. *Tectonophysics*, 314, 161-174.
- 72: S.L. Jensen, T. Janik, H. Thybo, and POLONAISE Working Group, 1999: Seismic structure of the Palaeozoic Platform along POLONAISE'97 profile P1 in northwestern Poland. *Tectonophysics*, 314, 123-144.
- 73: Arlitt, R., Kissling, E., Ansorge, J. and TOR Working Group: 3-D Crustal Structure Beneath the TOR Array and Effects on Teleseismic Wavefronts. *Tectonophysics*, 314, 309-319.
- 74: Gossler, J., Kind, R., Sobolev, S.V., Kämpf, H., Wylegalla, K., Stiller, M. and TOR Working Group, 1999, Major Crustal Features between the Harz Mountains and the Baltic Shield Derived from Receiver Functions. *Tectonophysics*, 314, 321-333.
- 75: Wylegalla, K., Bock, G., Gossler J., Hanka, W. and TOR Working Group, 1999, Anisotropy across the Sorgenfrei-Tornquist zone from shear-wave splitting. *Tectonophysics*, 314, 335-350.
- 76: Pedersen, T., Gregersen, S. and The TOR Working Group, 1999. Project Tor: Deep lithospheric variation across the Sorgenfrei Tornquist Zone, Southern Scandinavia. *Bulletin of the Geological Society of Denmark* 46, 13-24.
- 77: TOR Working Group, 1999, Important findings expected from Europe's largest seismic array. *EOS*, 80(1), 1, 6.
- 78: Khan, M.A. and 14 others (incl. H. Thybo), 1999. The Lithospheric Structure of the Kenya Rift as Revealed by Wide-Angle Seismic Measurements. In C. Mac Niocaill and P. D. Ryan (Eds) *Continental Tectonics*. *Geol Soc Special Publication* 164, 257-270.
- 79: Thybo, H., 2000, Crustal structure and tectonic evolution of the Tornquist fan region as revealed by geophysical methods. *Bull. Dan. Geol. Soc.*, 46, 145-160.
- 80: Hock, S., Korn, M. and TOR Working Group, 2000. Random heterogeneity of the lithosphere across the Trans European Suture Zone. *Geophys. J. Int.* 141, 57-70.
- 81: Abramovitz, T. and Thybo, H., 2000, Seismic images of Caledonian, lithosphere-scale collisional structures 2 in the southeastern North Sea along Mona Lisa Profile 2. *Tectonophysics*, 317, 27-54.
- 82: Krysinski, L., Grad, M. and POLONAISE Working Group, 2000. POLONAISE'97 - Seismic and gravimetric modelling of the crustal structure in the Polish Basin. *Phys. Chem. Earth*, 4, 355-363.
- 83: Thybo, H., Maguire, P., Birt, C., and Perchuc, E., 2000. Seismic reflectivity and underplating beneath the Kenya Rift. *Geoph. Res. Lett.*, 27, 2745-2748.
- 84: Thybo, H., Zhou, S., and Perchuc, E. 2000, Intraplate earthquakes and a seismically defined lateral transition in the upper mantle. *Geophys Res. Lett.*, 27, 3953-3956.
- 85: Marotta, A.M, Bayer, U., and Thybo, H., 2000. The legacy of the NE-German Basin Reactivation by Compressional Buckling, *Terra Nova*, 12, 132-140.
- 86: Nielsen, L., Balling, N., Jacobsen, B. H., & MONA LISA Working Group, 2000. Seismic and gravity modelling of crustal structure in the Central Graben, North Sea. Observations along MONA LISA profile 3. *Tectonophysics*, 328, 229-244.
- 87: Czuba, W., Grad, M., Luosto, U., Motuza, G., Nasedkin, V., and POLONAISE P5 Working Group,

- 2001, Crustal structure of the east European Craton along the POLONAISE=97 P5 profile, *Acta Geophysicae Polonica*, 49, 145-168.
- 88: Lassen, A., Berthelsen, A., and Thybo, H., 2001, Reflection seismic evidence for Caledonian deformed sediments above Sveconorwegian basement in the southwestern Baltic Sea. *Tectonics*, 20, 268-276.
- 89: Marotta, A.M., Bayer, U., Scheck, M., and Thybo, H., 2001, The stress field below the NE German Basin: effects induced by the Alpine collision, *Geophys. J. Int.*, 144, F8-F12.
- 90: Nielsen, L., Thybo, H., and Egorkin, A.V., 2001, Constraints on reflective bodies below the 8 σ discontinuity from reflectivity modelling. *Geophys. J. Int.*, 145, 759-771.
- 91: Thybo, H., 2001, Crustal structure along the EGT profile across the Tornquist Fan interpreted from seismic, gravity and magnetic data, *Tectonophysics*, 334, 155-190.
- 92: Thybo, H., 2002, Deep seismic probing of the continents and their margins, *Tectonophysics*, 355, 1-5.
- 93: DOBRE Working Group, 2002. DOBRE studies evolution of inverted intra-cratonic rifts in Ukraine. *EOS*, 83(30), 323-327.
- 94: Artemieva, I.M., Mooney, W.D., Perchuc, E. and Thybo, H., 2002, Processes of lithosphere evolution: new evidence on the structure of the continental crust and uppermost mantle, *Tectonophysics*, 358, 1-15.
- 95: Nielsen, L., Thybo, H. and Egorkin, A. V., 2002, Implications of seismic scattering below the 8 σ discontinuity along PNE profile Kraton. *Tectonophysics*, 358, 135-150.
- 96: Abramovitz, T., Thybo, H. and Perchuc, E., 2002, Tomographic inversion of seismic P- and S- wave velocities from the Baltic Shield based on FENNOLORA data, *Tectonophysics*, 358, 151-174.
- 97: Thybo, H., Pharaoh, T., and Guterch, A. (eds.), 2002. *Geophysical Investigations of the Trans European Suture Zone II, Introduction*, *Tectonophysics*, 360.
- 98: Marotta, A.M., Bayer, U., Thybo, H., and Scheck, M., 2002. Origin of the Regional Stress in the North German Basin: Results from numerical experiments, *Tectonophysics*, 360, 245-264.
- 99: Shomali, Z.H., Roberts, R.G., and TOR Working Group, 2002. Non-linear body wave teleseismic tomography along the TOR array. *Geophys. J. Int.* 148, 562-574.
- 100: J.A. and the PACE TMR Network Team, 2002. Palaeozoic amalgamation of central Europe: new results from recent geological and geophysical investigations, *Tectonophysics*, 360, 5-21.
- 101: Janik, T., Yliniemi, Y., Grad, M., Thybo, H., Tiira, T., and POLONAISE P2 Working Group, 2002. Crustal differentiation across TESZ along POLONAISE=97 seismic profile P2 in NW Poland, *Tectonophysics*, 360.
- 102: Thybo, H., 2002, Deep seismic probing of the continents and their margins, *Tectonophysics*, 355, 1-5.
- 103: DOBRE Working Group, 2002. DOBRE studies evolution of inverted intra-cratonic rifts in Ukraine. *EOS*, 83(30), 323-327.
- 104: Czuba, W., Grad, M., Luosto, U., Motuza, G., Nasedkin, V., and POLONAISE P5 Working Group, 2002. Upper crustal seismic structure of the Mazury complex and Mazowsze massif within East European Craton in NE Poland, *Tectonophysics*, 360, 115-128.
- 105: Cotte, N. et al., 2002. Sharp contrast in lithospheric structure across the Sorgenfrei-Tornquist Zone as inferred by Rayleigh wave analysis of TOR1 project data. *Tectonophysics*, 360(1-4): 75-88.
- 106: Gregersen, ... Shomali, H., Thybo, H., Waldhauser, F., and TOR Working Group, 2002. Summary of project TOR: delineation of a stepwise, sharp, deep lithosphere transition across Germany-Denmark-Sweden. *Tectonophysics* 360, 61-73.
- 107: Jensen, S.L., Thybo, H., and POLONAISE'97 Working Group, 2002. Moho topography and lower crustal wide-angle reflectivity around the TESZ in southern Scandinavia and northeastern Europe, *Tectonophysics*, 360.
- 108: Bayer, U., Grad, M., Pharaoh, T.C., Thybo, H., Banka, D., Guterch, A., Banka, D., Lamarche, J., Lassen, A., Lewerenz, B., Scheck, M., and Marotta, A.M., 2002. The Southern Margin of the East European Craton, new results from seismic sounding and potential fields between the North Sea and Poland, *Tectonophysics*, 360.
- 109: Meissner, R., Thybo, H., and Abramovitz, T., 2002. Interwedging and inversion structures around

- the Trans-European Suture Zone in the Baltic Sea: A manifestation of compressive tectonic phases, *Tectonophysics*, 360.
- 110: Plomerova, J., Babuska, V., Vecsey, L., Kouba, D., TOR Working group, 2002. Seismic anisotropy of the lithosphere around the Trans-European Suture Zone (TESZ) based on teleseismic body-wave data of the TOR experiment. *Tectonophysics* 360, 89-114.
- 111: Krawczyk, C.M., Eilts, F., Lassen, A., Thybo, H., 2002. Seismic evidence of Caledonian deformed crust and uppermost mantle structures in the northern part of the Trans-European Suture Zone, SW Baltic Sea. *Tectonophysics*, 360.
- 112: Williamson, J.P., Pharaoh, T.C., Banka, D., Thybo, H., Laigle, M., and Lee, M.K., 2002. Potential field modelling of the Baltica-Avalonia (Thor-Tornquist) suture beneath the southern North Sea, *Tectonophysics*, 360.
- 113: M. Grad, G. R. Keller, H. Thybo, A. Guterch and POLONAISE Working Group, 2002. Lower lithospheric structure beneath the Trans-European Suture Zone from POLONAISE'97 seismic profiles. *Tectonophysics*, 360.
- 114: Scheck, M., Thybo, H., Lassen, A., Abramovitz, T., and Laigle, M., 2002, Basement structure in the Southern North Sea, offshore Denmark, based on seismic interpretation. *Geol. Soc, London, Spec. Publ.* 201, 311-326.
- 115: Guterch, A., Grad, M., Špicak, A., Brückl, E., Hegedüs, E., Keller, G.R., Thybo, H. and CELEBRATION 2000, ALP 2002, and SUDETES 2003 Working Groups: An overview of recent seismic refraction experiments in central Europe. *Studia Geophysica & Geodætica*, 47, 3, 651B657.
- 116: Guterch, A., Grad, M., Keller, G.R., Posgay, K., Vozar, J., Špicak, A., Brückl, E., Hajnal, Z., Thybo, H., Selvi, O. and CELEBRATION 2000 Experiment Team: CELEBRATION 2000 Seismic Experiment. *Studia Geophysica & Geodætica*, 47, 3, 659B669.
- 117: Brückl, E., Bodoky, T., Hegedüs, E., Hrubcova, P., Gosar, A., Grad, M., Guterch, A., Hajnal, Z., Keller, G.R., Špicak, A., Sumanovac, F., Thybo, H., Weber, F. and ALP 2002 Working Group: ALP 2002 Seismic Experiment. *Studia Geophysica & Geodætica*, 47, 3, 671B679.
- 118: Wilde Puorko, M., et al. (incl. H. Thybo), 2002, Crustal structure variation from the Precambrian to the Palaeozoic platforms in Europe imaged by the inversion of teleseismic receiver functions - project TOR. *Geophys. J. Int.*, 150, 261-270..
- 119: Nielsen, L., Thybo, H., Morozov, I. B., Smithson, S. B. & Solodilov, L., 2003. Teleseismic Pn phases modeled by crustal scattering. *Geophys. J. Int.*, 153, F1-F7.
- 120: Czuba, W. et al., 2003. Deep crustal structure along CELEBRATION 2000 seismic trans-Carpathian profiles extending from the East European Craton to the Pannonian basin. *Publications of the Institute of Geophysics, Polish Academy of Sciences, Series M: Miscellanea*, 28(363): 103-104.
- 121: Maystrenko Yu., Stovba S., Stephenson R., Bayer U., Menyoli E., Gajewski D., Huebscher Ch., Rabbel W., Saintot A., Starostenko V., Thybo H., Tolkunov A., 2003, Crustal-scale pop-up structure in cratonic lithosphere: DOBRE deep seismic reflection study of the Donbas fold belt, Ukraine. *Geology*, 31, 733-736.
- 122: DOBRE refraction Working Group, 2003, Velocity model of the crust and mantle beneath the Donbas Foldbelt (east Ukraine). *Tectonophysics*, 371, 81-110.
- 123: H. Thybo & 22 others, 2003, EUROBRIDGE'97: Upper lithospheric seismic velocity structure across the Pripyat Trough and the Ukrainian Shield along the EUROBRIDGE'97 profile. *Tectonophysics*, 371, 41-79.
- 124: Grad et al., 2003, DOBRE. *Izvestiya Russian Academy of Sciences. Physics of the Solid Earth*, 39;
- 125: Pilipenko V.N., Makris J., Thybo H., Verpakhovskaya A.O., 2003, Possible applications of the refraction migration in studies of the crustal structure. *Izvestiya Russian Academy of Sciences. Physics of the Solid Earth*, 39; 520-526.
- 126: Nielsen, L., Thybo, H., Levander, A., and Solodilov, L., 2003, Origin of upper mantle seismic scattering - evidence from Russian PNE data. *Geophys. J. Int.*, 154, 196-204.
- 127: Nielsen, L. and Thybo, H., 2003, The origin of the teleseismic Pn phase: Crustal scattering of upper mantle whispering gallery phases. *J. Geophys. Res.*, 108, 2460, 10.1029/2003JB002487.
- 128: Alinaghi, A. et al., 2003. Receiver Function analysis of the crust and upper mantle from the North German Basin to the Archaean Baltic Shield. *Geophys. J. Int.*, 155, 641-652.

- 129: Thybo, H., Nielsen, L., and Perchuc, E., 2003, Seismic scattering at the top of the mantle Transition Zone. *EPSL* 216, 259-269.
- 130: Grad, Marek; Jensen, Susanne L.; Keller, G. Randy; Guterch, Aleksander; Thybo, Hans; Janik, Tomasz; Tiira, Timo; Yliniemi, Jukka; Luosto, Urmas; Motuza, Gediminas; Nasedkin, Viktor; Czuba, Wojciech; Gaczynski, Edward; Sroda, Piotr; Miller, Kate C.; Wilde Piórko, Monika; Komminaho, Kari; Jacyna, Juozas; Korabliova, Larisa, 2003, Crustal structure of the Trans European suture zone region along POLONAISE'97 seismic profile P4. *J. Geophys. Res.*, Vol. 108, No. B11, 2541, 10.1029/2003JB002426.
- 131: Thybo, H., Ross, A.R., and Egorkin, A.V., 2003, Explosion seismic reflections from the Earth's core. *EPSL*, 216, 693-702.
- 132: Lassen, A. and Thybo, H., 2004, Seismic evidence for Late Proterozoic orogenic structures below the Phanerozoic sedimentary cover in the Kattégat Area, SW Scandinavia. *Tectonics*, 23, doi:10.1029/2003TC001499,
- 133: Vavrycuk, V. et al., 2004. Azimuthal variation of Pg velocity in the Moldanubian, Czech Republic: Observations based on a multi-azimuthal common-shot experiment. *Tectonophysics*, 387(1-4): 189-203.
- 134: Guterch et al., 2004, Huge contrasts of the lithospheric structure revealed by new generation seismic experiments in Central Europe. *Przegląd Geologiczny*, vol. 52, 753-760
- 135: Swieczak, M. et al., 2004. Upper mantle seismic discontinuities: Topography variations beneath Eastern Europe. *Acta Geophysica Polonica*, 52(3): 251-270.
- 136: Nielsen, L., Thybo, H., 2004, Location of the Carlsberg Fault zone from seismic controlled-source fan recordings. *Geophys. Res. Lett.*, 31, doi: 10.1029/2004GL019603
- 137: Ross A.R., Thybo, H. and Solodilov, L.N., 2004, Reflection Seismic Profiling of the Core Mantle Boundary, *Journal of Geophysical Research*, 109, doi:10.1029/2003JB002515.
- 138: Nielsen L., Thybo H., and Glendrup M., 2005, Seismic tomographic interpretation of Paleozoic sedimentary sequences in the southeastern North Sea, *Geophysics* 70, 45-56.
- 139: Nielsen L., Thybo H., and Jorgensen M.I., 2005, Integrated seismic interpretation of the Carlsberg Fault zone, Copenhagen, Denmark, *Geoph. J. Int.*, 162, 461-478
- 140: Nita, B., Perchuc, E. and Thybo, H., 2005, Upper mantle seismic model of Central Europe, including the Alpine Orogen, based on seismic events from the Lubin Copper Basin. *Acta Geophysica Polonica*, 53, 127-141.
- 141: Mackenzie G.D., Thybo H., and Maguire P.K.H., 2005, Crustal velocity structure across the Main Ethiopian Rift: results from two-dimensional wide-angle seismic modelling. *Geophys. J. Int.*, 162, 994-1006.
- 142: Hrubcova, P., Sroda, P., Spicak, A., Guterch, A., Grad, M., Keller, G.R., Brueckl, E. and Thybo, H., 2005, Crustal and uppermost mantle structure of the Bohemian Massif based on CELEBRATION 2000 data, *J. Geophys. Res.*, 110, B11305, doi:10.1029/2004JB003080.
- 143: Lyngsie, S.B., Thybo, H., and Rasmussen, T., 2006, Regional geological and tectonic structures of the North Sea area from potential field modelling, *Tectonophysics*, 413, 147-170.
- 144: Thybo, H., 2006, The heterogeneous Upper Mantle Low Velocity Zone, *Tectonophysics*, 416, 53-79.
- 145: Ponteviso, A., and Thybo, H., 2006. Test of the upper mantle low velocity layer in Siberia with surface waves. *Tectonophysics*, 416, 113-131.
- 146: Nielsen, L. and Thybo, H., 2006, Identification of crustal and upper mantle heterogeneity by modelling of controlled-source seismic data. *Tectonophysics*, 416, 209-228
- 147: Thybo, H., and Anderson, D.L., 2006. The heterogeneous mantle, *Tectonophysics*, 416, 1-6.
- 148: Suvorov, V.D., Melnik, E.A., Thybo, H., Perchuc, E., and Parasotka, B.S., 2006, Seismic velocity model of the crust and uppermost mantle around the Mirnyi kimberlite Field in Siberia. *Tectonophysics*, 420, 49-73.
- 149: Grad, M. et al., 2006. Lithospheric structure of the western part of the East European Craton investigated by deep seismic profiles. *Geological Quarterly*, 50(1): 9-22.
- 150: Thybo, H., Sandrin, A., Nielsen, L., Lykke-Andersen, H. and Keller, G.R., 2006: Seismic velocity structure of a large mafic intrusion in the crust of central Denmark from project ESTRID.

- Tectonophysics, 420, 105-122.
- 151: P.K.H.Maguire, G.R.Keller, S.L. Klempner, G.D.Mackenzie, K. Keranen, S.Harder, B.O'Reilly, H.Thybo, L.Asfaw and M.Amha, 2006, Crustal Structure of the Northern Main Ethiopian Rift from the EAGLE Controlled-source Survey; a Snapshot of Incipient Lithospheric Break-up. Geol. Soc. London, Spec. Publ.
- 152: Voss, P. et al., 2006. The Tornquist Zone, a north east inclining lithospheric transition at the south western margin of the Baltic Shield: Revealed through a nonlinear teleseismic tomographic inversion. Tectonophysics, 416(1-2): 151-166.
- 153: Bogdanova, S. et al., 2006. EUROBRIDGE: New insight into the geodynamic evolution of the East European Craton, Geological Society Memoir, 32, 599-625.
- 154: Gregersen, S. et al., 2006. Physical differences in the deep lithosphere of Northern and Central Europe, Geological Society Memoir, pp. 313-322.
- 155: Środa, P. et al., 2006. Crustal and upper mantle structure of the Western Carpathians from CELEBRATION 2000 profiles CEL01 and CEL04: seismic models and geological implications. Geophysical Journal International 167 (2), 737–760. doi:10.1111/j.1365-246X.2006.03104.x
- 156: Artemieva, I.M., Thybo, H., and Kaban, M.K., 2006, Deep Europe today: Geophysical synthesis of upper mantle structure and lithospheric processes over 3.5 Ga. Eds.: D. Gee & R. Stephenson, European Lithosphere Dynamics, Chapter 1.4. Geological Society Memoir, 32.
- 157: V.D. Suvorov, E.A. Melnik, H. Thybo, E. Perchuc B.S. Parasotka, 2006, Seismic velocity model of the crust and uppermost mantle around the Mirnyi kimberlite Field in Siberia. Tectonophysics, 420,49-73.
- 158: Kobussen, A.F., Christensen, N.I., and Thybo, H., N.P., 2006, Seismic velocity anisotropy beneath the Siberian Craton: Constraints from xenoliths and petrophysics, Tectonophysics, 425, 123-135.
- 159: Yegorova, T., Bayer, U., Thybo, H., Maystrenko, Y., Scheck-Wenderoth, M., and Lyngsie, S.B, 2007, Gravity signals from the lithosphere in the Central European Basin System, Tectonophysics, 429, 133-163, doi:10.1016/j.tecto.2006.10.002.
- 160: Lyngsie, S.B., and Thybo, H., 2007, A new tectonic model for the Laurentia-Avalonia-Baltica sutures in the North Sea: A case study along MONA LISA profile 3. Tectonophysics, 429, 201-227, doi:10.1016/j.tecto.2006.09.017.
- 161: Behm, M., Brückl, E., Chwatal, W., and Thybo, H., 2007, Application of stacking and inversion techniques to 3D wide-angle reflection and refraction seismic data of the Eastern Alps, Geophys. J. Int., 170: 275-298.
- 162: Brückl, E., Bleibinhaus, F., Gosar, A., Grad, M., Guterch, A., Hrubcova, P., Keller, G.R., Majdański, M., Šumanovac, F., Tiira, T., Yliniemi, J., Hegedüs, E., and Thybo, H., 2007, Crustal Structure Due to Collisional and Escape Tectonics in the Eastern Alps Region Based on Profiles Alp01 and Alp02 from the ALP 2002 Seismic Experiment. J. Geophys. Res., 112: B06308, doi:10.1029/2006JB004687.
- 163: Behm, M., et al. (incl. H. Thybo), 2007, A New Seismic Model of the Eastern Alps and its Relevance for Geodesy and Geodynamics, Vermessung & Geoinformation, 2, 121 – 133.
- 164: Alinaghi, A., Koulakov, I., and Thybo, H., 2007, Seismic P and S velocity anomalies in the crust and upper mantle beneath Iran from application of Inverse Tomography, Geophys. J. Int., 169 (3): 1089-1102
- 165: Cloetingh, S. et al. (incl. H. Thybo), 2007, TOPO-EUROPE: The geoscience of coupled deep Earth-surface processes. Global And Planetary Change 58, 1-118.
- 166: Lyngsie, S.B., Thybo, H., and Lang, R., 2007, Rifting and lower crustal reflectivity: A case study of the intracratonic Dniepr-Donets rift zone, Ukraine, J. Geophys. Res., 112, B12402, doi:10.1029/2006JB004795.
- 167: Gee, D. G. et al. (incl. H. Thybo), 2008, Nordic geoscience and the 3rd international geological congress: Introduction. Episodes 31, 4-8.
- 168: Artemieva, I. M. & Thybo, H., 2008, Deep Norden: Highlights of the lithospheric structure of Northern Europe, Iceland, and Greenland. Episodes 31, 98-106.
- 169: Sandrin, A., Thybo, H., 2008, Deep seismic investigation of crustal extensional structures in the Danish Basin along the ESTRID-2 profile. Geophys. J. Int., doi: 10.1111/j.1365-246X.2008.03759.x

- 170: Sandrin, A. and Thybo, H., 2008, Seismic constraints on a large mafic intrusion with implications for the subsidence mechanism of the Danish Basin. *J. Geophys. Res.*, 113, B09402, doi:10.1029/2007JB005067,
- 171: Sandrin, A., Nielsen, L., and Thybo, H., 2008, Layered crust-mantle transition zone below a large crustal intrusion in the Norwegian-Danish Basin, *Tectonophysics*, doi:10.1016/j.tecto.2008.05.039.
- 172: Døssing, A., Dahl-Jensen, T., Thybo, H., Mjelde, R. and Nishimura, Y., 2008. East Greenland Ridge in the North Atlantic Ocean: An integrated geophysical study of a continental sliver in a boundary transform fault setting, *J. Geophys. Res.*, 113, B10107, doi:10.1029/2007JB005536.
- 173: Stratford, W., Thybo, H., Faleide, J.-I., Olesen, O. and Tryggvason, A., 2008. New insights into the lithospheric structure of southern Norway. *EOS*, 89,554-555.
- 174: Nielsen, C., Thybo, H., 2009. Lower crustal intrusions beneath the southern Baikal Rift Zone: Evidence from full-waveform modelling of wide-angle seismic data. *Tectonophysics*, doi:10.1016/j.tecto.2009.01.023.
- 175: Ito, T., Iwasaki, T., and Thybo, H., 2009, Deep Seismic Profiling of the Continents and their Margins. *Tectonophysics*, DOI: 10.1016/j.tecto.2009.01.018
- 176: Grad, M. et al., 2009. Crustal structure of the Eastern Alps and their foreland: Seismic model beneath the CEL10/Alp04 profile and tectonic implications. *Geophysical Journal International*, 177(1): 279-295.
- 177: Cloetingh, S., Thybo, H., and Faccenna, C., 2009, TOPO-EUROPE: Studying continental topography and Deep Earth – Surface Processes in 4D. *Tectonophysics*, doi: 10.1016/j.tecto.2009.07.003.
- 178: Nielsen, C., and Thybo, H., 2009, No Moho uplift below the Baikal Rift Zone: Evidence from a seismic refraction profile across southern Lake Baikal, *J. Geophys. Res.*, doi:2008JB005828
- 179: Anell, I., Thybo, H., and Artemieva, I., 2009. Cenozoic uplift and subsidence in the North Atlantic region: Geological evidence revisited. *Tectonophysics*, doi:10.1016/j.tecto.2009.04.006.
- 180: Stratford, W., Thybo, H., Faleide, J.-I., Olesen, O. and Tryggvason, A., 2009. New Moho map of southern Norway. *Geophys. J. Int.*, doi: 10.1111/j.1365-246X.2009.04240.x
- 181: H. Thybo, and C.A. Nielsen, 2009, Magma-compensated crustal thinning in continental rift zones. *Nature*, doi:10.1038/nature07688.
- 182: Weidle, C., Maupin, V., Ritter, J., Kvaerna, T., Schweitzer, J., Balling, N., Thybo, H., Faleide, J. I., Wenzel, F., 2010, MAGNUS-A Seismological Broadband Experiment to Resolve Crustal and Upper Mantle Structure beneath the Southern Scandes Mountains in Norway. *Seismological Research Letters*, 81, 76-84.
- 183: Bruckl, E., Behm, M., Decker, K., Grad, M., Guterch, A., Keller, G. R., Thybo, H., 2010, Crustal structure and active tectonics in the Eastern Alps. *Tectonics*, 29, doi:10.1029/2009TC002491.
- 184: Guterch, A., Wybraniec, S., Grad, M., Chadwick, R.A., Krawczyk, C.M., Ziegler, P.A., Thybo, H. & De Vos, W., 2010. Crustal structure and structural framework. In: Doornenbal, J.C. and Stevenson, A.G. (Eds): *Petroleum Geological Atlas of the Southern Permian Basin Area*. EAGE Publications b.v. (Houten): 11-23.
- 185: Pharaoh, T.C., Dugar, M., Geluk, M.C., Kockel, F., Krawczyk, C.M., Krzywiec, P., Scheck-Wenderoth, M., Thybo, H., Vejbæk, O.V. & Van Wees, J.D., 2010. Tectonic Evolution. In: Doornenbal, J.C. and Stevenson, A.G. (Eds): *Petroleum Geological Atlas of the Southern Permian Basin Area*. EAGE Publications b.v. (Houten): 25-57.
- 186: Elesin, Y., Gerya, T., Artemieva, I. M. & Thybo, H., 2010, Samovar: a thermomechanical code for modeling of geodynamic processes in the lithosphere-application to basin evolution. *Arab. J. Geosci.*, doi: 10.1007/s12517-010-0215-1.
- 187: Anell, I., Thybo, H., Stratford, W., 2010, Relating Cenozoic North Sea sediments to topography in southern Norway: The interplay between tectonics and climate. *EPSL*, 300, 19-32, doi:10.1016/j.epsl.2010.09.009
- 188: Langenheim, V.E., Wright, T. L., Okaya, D. A., Yeats, R. S., Fuis, G. S., Thygesen, K. & Thybo, H. 2011, Structure of the San Fernando Valley region, California: Implications for seismic hazard and tectonic history. *Geosphere*, 7(2): 528-572.
- 189: Stratford, W. and Thybo, H., 2011, Crustal structure and composition of the Oslo Graben, Norway,

- Earth Plan. Sci. Lett., 304, 431–442, doi:10.1016/j.epsl.2011.02.021
- 190: Stratford, W. and Thybo, H., 2011, Seismic structure and composition of the crust beneath the southern Scandes, Norway, *Tectonophysics*, 502, 364–382, doi:10.1016/j.tecto.2011.02.008
- 191: Anell, I., Thybo, H., Rasmussen, E.S., 2011, A synthesis of Cenozoic sedimentation in the North Sea, *Basin Research*, 23, 1-26, doi: 10.1111/j.1365-2117.2011.00517.x
- 192: Nielsen, L., Boldreel, L.O., Hansen, T.M., Lykke-Andersen, H., Stemmerik, L., Surlyk, F., Thybo, H., 2011. Integrated seismic analysis of the Chalk Group in eastern Denmark - implications for estimates of maximum palaeo-burial in southwest Scandinavia. *Tectonophysics*, 511, 14-26, doi:10.1016/j.tecto.2011.08.010.
- 193: Thybo, H., Heikkinen, P., and Kukkonen, I., 2011, Deep seismic probing of continental crust and mantle. *Tectonophysics*, 508, 1-5, doi:10.1016/j.tecto.2011.06.014
- 194: Thybo, H. and Nielsen, C.A., 2012, Seismic velocity structure of crustal intrusions in the Danish Basin, *Tectonophysics*, 572, 64-75, doi:10.1016/j.tecto.2011.11.019
- 195: Medhus, A.B., Balling, N., Jacobsen, B.H., Weidle, C., England, R.W., Kind, R., Thybo, H., Voss, P., 2012. Upper-mantle structure beneath the Southern Scandes Mountains and the Northern Tornquist Zone revealed by P-wave travelttime tomography. *Geophys. J. Int.* 189, 1315-1334.
- 196: Lassen, A. and Thybo, H., 2012., Neoproterozoic and Palaeozoic evolution of SW Scandinavia based on integrated reflection seismic interpretation. *Precambrian Research*, doi:10.1016/j.precamres.2012.01.008.
- 197: Elesin, Y., Gerya, T., Artemieva, I. and Thybo, H., 2013, Samovar: a thermo-mechanical code for modeling of geodynamic processes in the lithosphere – application to basin evolution. In Hosani, K. A., Roure, F., Ellison, R. & Lokier, S. (red.), *Lithosphere Dynamics and Sedimentary Basins: The Arabian Plate and Analogues*. Springer Publishing Company, 441-462.
- 198: Maupin, V., Agostini, A., Artemieva, I., Balling, N., Beekman, F., Ebbing, J., England, R.W., Frassetto, A., Gradmann, S., Jacobsen, B.H., Köhler, A., Kvarven, T., Medhus, A.B., Mjelde, R., Ritter, J., Sokoutis, D., Stratford, W., Thybo, H., Wawerzinek, B., Weidle, C., 2013, The deep structure of the Scandes and its relation to tectonic history and present-day topography, *Tectonophysics*, doi: 10.1016/j.tecto.2013.03.010.
- 199: Foulger, G.R., Panza, G.F., Artemieva, I.M., Bastow, I.D., Cammarano, F., Evans, J.R., Hamilton, Warren B., Julian, Bruce R., Lustrino, Michele, Thybo, Hans, and Yanovskaya, T.B., 2013. Caveats on tomographic images. *Terra Nova*, doi: 10.1111/ter.12041.
- 200: Clark, S.A., Faleide, J.I., Hauser, J., Ritzmann, O., Mjelde, R., Ebbing, J., Thybo, H., and Flüh, E., 2013. Stochastic velocity inversion of seismic reflection/refraction travelttime data for rift structure of the southwest Barents Sea. *Tectonophysics* 593, 135-150, doi:10.1016/j.tecto.2013.1002.1033.
- 201: Cherepanova, Y., Artemieva, I., Thybo, H., Chemia, Z., 2013. Crustal structure of the Siberian Craton and the West Siberian Basin: An appraisal of existing seismic data. *Tectonophysics*, doi: 10.1016/j.tecto.2013.1005.1004.
- 202: Artemieva, I. M. & Thybo, H., 2013, EUNaseis: A seismic model for Moho and crustal structure in Europe, Greenland, and the North Atlantic region. *Tectonophysics*, doi:10.1016/j.tecto.2013.1008.1004, (2013).
- 203: Youssof, M., Thybo, H., Artemieva, I. M. & Levander, A., 2013, Moho depth and crustal composition in Southern Africa. *Tectonophysics*, doi:10.1016/j.tecto.2013.09.001.
- 204: Prodehl, C., Kennett, B., Artemieva, I. M. & Thybo, H., 2013, 100 years of seismic research on the Moho. *Tectonophysics*, doi:10.1016/j.tecto.2013.1005.1036,
- 205: Starostenko, V. et al., 2013, Seismic velocity model of the crust and upper mantle along profile PANCAKE across the Carpathians between the Pannonian Basin and the East European Craton. *Tectonophysics*, doi:10.1016/j.tecto.2013.07.008.
- 206: Starostenko, V. et al., 2013, Mesozoic(?) lithosphere-scale buckling of the East European Craton in southern Ukraine: DOBRE-4 deep seismic profile. *Geophysical Journal International* 195, 740-766, doi:10.1093/gji/ggt292.
- 207: Frassetto, A. & Thybo, H., 2013, Receiver function analysis of the crust and upper mantle in Fennoscandia - isostatic implications. *Earth and Planetary Science Letters*, 381, 234-246, doi:

- 10.1016/j.epsl.2013.07.001
- 208: Thybo, H., Artemieva, I. & Kennett, B., 2013, Moho: 100 years after Andrija Mohorovičić. *Tectonophysics*, doi:<http://dx.doi.org/10.1016/j.tecto.2013.10.004>.
- 209: Thybo, H. & Artemieva, I. M., 2013, Moho and magmatic underplating in continental lithosphere. *Tectonophysics*, doi:10.1016/j.tecto.2013.1005.1032.
- 210: Loidl, B., Behm, M., Thybo, H. and stratford, W., 2014, Three-dimensional seismic model of crustal structure in Southern Norway, *Geophys. J. Int.*, 96, 1643-1656
- 211: Petersen, K.D., Armitage, J.J., Nielsen, S.B., and Thybo, H., 2014, Mantle temperature as a control on the time scale of thermal evolution of extensional basins. *EPSL*, in print.
- 212: Kvarven, T., Ebbing, J., Mjelde, R., Faleide, J.I., Libak, A., Thybo, H., Flueh, E.R., Murai, Y., 2014. Crustal structure across the More margin, mid-Norway, from wide-angle seismic and gravity data. *Tectonophysics* 626, 21-40.
- 213: Shulgin, A. and Thybo, H., 2015, Seismic explosion sources on an ice cap - Technical considerations. *Polar Science*, 9, 107-118.
- 214: Foulger, G. R., G. F. Panza, I. M. Artemieva, I. D. Bastow, F. Cammarano, C. Doglioni, J. R. Evans, W. B. Hamilton, B. R. Julian, M. Lustrino, H. Thybo, and T. B. Yanovskaya, 2015, What lies deep in the mantle below?, *Eos*, 96, doi:10.1029/2015EO034319.
- 215: Starostenko, V., Janik, T., Yegorova, T., Farfuliak, L., Czuba, W., Sroda, P., Thybo, H., Artemieva, I., Sosson, M., Volfman, Y., Kolomiyets, K., Lysynchuk, D., Omelchenko, V., Gryn, D., Guterch, A., Komminaho, K., Legostaeva, O., Tiira, T., and Tolkunov, A., 2015, Seismic model of the crust and upper mantle in the Scythian Platform: the DOBRE-5 profile across the north western Black Sea and the Crimean Peninsula: *Geophys. J. Int.*, 201, 406-428.
- 216: Tian, X. B., Chen, Y., Tseng, T. L., Klemperer, S. L., Thybo, H., Liu, Z., Xu, T., Liang, X. F., Bai, Z. M., Zhang, X., Si, S. K., Sun, C. Q., Lan, H. Q., Wang, E. C., and Teng, J. W., 2015, Weakly coupled lithospheric extension in southern Tibet: *Earth and Planetary Science Letters*, 430, 171-177.
- 217: Yousof, M., Thybo, H., Artemieva, I. M., and Levander, A., 2015, Upper mantle structure beneath southern African cratons from seismic finite-frequency P- and S-body wave tomography: *Earth and Planetary Science Letters*, 420, 174-186.
- 218: Herceg, M., Artemieva, I.M., Thybo, H., 2016. Sensitivity analysis of crustal correction for calculation of lithospheric mantle density from gravity data. *Geophys. J. Int.* 204, 687-696.
- 219: Dossing, A., Japsen, P., Watts, A.B., Nielsen, T., Jokat, W., Thybo, H., Dahl-Jensen, T., 2016. Miocene uplift of the NE Greenland margin linked to plate tectonics: Seismic evidence from the Greenland Fracture Zone, NE Atlantic. *Tectonics* 35, 257-282.
- 220: Starostenko, V.I., Janik T., Stephenson R., Gryn D., Rusakov O., Czuba W., Sroda P., Grad M., Guterch A., Flueh E., Thybo H., Artemieva I.M., and 8 authors more, 2016. DOBRE-2 WARR profile: the Earth's upper crust across Crimea between the Azov Massif and the northeastern Black Sea. *Geol. Soc. London Spec. Pub.*, 428, 22 pp, <http://doi.org/10.1144/SP428.11>
- 221: Mjelde, R., Kvarven, T., Faleide, J.I., Thybo, H., 2016. Lower crustal high-velocity bodies along North Atlantic passive margins, and their link to Caledonian suture zone eclogites and Early Cenozoic magmatism. *Tectonophysics* 670, 16-29.
- 222: Kvarven, T., Mjelde, R., Hjelstuen, B. O., Faleide, J. I., Thybo, H., Flueh, E. R., Murai, Y., 2016. Crustal composition of the More Margin and compilation of a conjugate Atlantic margin transect. *Tectonophysics* 666, 144-157, doi:10.1016/j.tecto.2015.11.002.
- 223: Artemieva, I.M., Thybo, H., Shulgin, A., 2016. Geophysical constraints on geodynamic processes at convergent margins: A global perspective. *Gondwana Research*, 33, 4-23, doi: 10.1016/j.gr.2015.06.010
- 224: Starostenko, V.I., T. Janik, O.B. Gintov, D.V. Lysynchuk, P. Sroda, W. Czuba, E.V. Kolomiyets, P. Aleksandrowski, V.D. Omelchenko, K. Komminaho, A. Guterch, T. Tiira, D.N. Gryn, O.V. Legostaeva, H. Thybo and A.V. Tolkunov, Crustal and Upper Mantle Velocity Model along the DOBRE-4 Profile from North Dobruja to the Central Region of the Ukrainian Shield: 1. Seismic Data. *Izvestiya-Physics of the Solid Earth*, 2017. 53(2): p. 193-204.
- 225: Starostenko, V.I., T. Janik, O.B. Gintov, D.V. Lysynchuk, P. Sroda, W. Czuba, E.V. Kolomiyets, P. Aleksandrowski, V.D. Omelchenko, K. Komminaho, A. Guterch, T. Tiira, D.N. Gryn, O.V.

- Legostaeva, H. Thybo, and A.V. Tolkunov, 2017, Crustal and Upper Mantle Velocity Model along the DOBRE-4 Profile from North Dobruja to the Central Region of the Ukrainian Shield: 2. Geotectonic Interpretation. *Izvestiya-Physics of the Solid Earth*, 53(2): p. 205-213.
- 226: Xia, B., H. Thybo, and I.M. Artemieva, 2017. Seismic crustal structure of the North China Craton and surrounding area: Synthesis and analysis. *Journal of Geophysical Research-Solid Earth*, 122(7): 5181-5207.
- 227: Artemieva I.M., Thybo H., Jakobsen K., Sørensen N.K., Nielsen L.S.K., 2017. Heat production in granitic rocks: Global analysis based on a new data compilation GRANITE2017. *Earth Science Reviews*, DOI: 10.1016/j.earscirev.2017.07.003.
- 228: Starostenko, V., Janik, T., Yegorova, T., Czuba, W., Środa, P., Lysynchuk, D., Aizberg, R., Garetsky, R., Karataev, G., Gribik, Y., Farfuliak, L., Kolomiyets, K., Omelchenko, V., Komminaho, K., Tiira, T., Gryn, D., Guterch, A., Legostaeva, O., Thybo, H., Tolkunov, O., 2018. Lithospheric structure along wide-angle seismic profile GEORIFT 2013 in Pripyat–Dnieper–Donets Basin (Belarus and Ukraine), *Geophys. J. Int.*, 212, 1932–1962, <https://doi.org/10.1093/gji/ggx509>.
- 229: Shulgin, A., Mjelde, R., Faleide, J.I., Høy, T., Flueh, E., Thybo, H., 2018. The crustal structure in the transition zone between the western and eastern Barents Sea. *Geophys.J. Int.* 214, 315-330, doi:<https://doi.org/10.1093/gji/ggy139>.
- 230: Kraft, H. A., L. Vinnik, and H. Thybo, 2018, Mantle transition zone beneath central-eastern Greenland: Possible evidence for a deep tectosphere from receiver functions, *Tectonophysics*, 728, 34-40, doi:10.1016/j.tecto.2018.02.008.
- 231: Yang, H., Chemia, C., Artemieva, I.M., and Thybo, H., 2018. Control on off-rift magmatism: A case study of the Baikal Rift Zone, *EPSL*, 482, 501-509, doi: 10.1016/j.epsl.2017.11.040
- 232: Artemieva, I. M., Thybo, H. & Cherepanova, Y, 2019. Isopycnicity of cratonic mantle restricted to kimberlite provinces. *Earth and Planetary Science Letters* 505, 13-19, doi:10.1016/j.epsl.2018.09.034.
- 233: Helene A. Kraft, Hans Thybo, Lev P. Vinnik, and S. Oreshin, 2019, Crustal Structure in Central-Eastern Greenland From Receiver Functions, *J.Geophys.Res.*, doi:10.1029/2018JB015919
- 234: Buntin, S., Malehmir, A., Koyi, H., Högdahl, K., Malinowski, M., Larsson, S.Å., Thybo, H., Juhlin, C., Korja, A., Górszczyk, A., 2019. Emplacement and 3D geometry of crustal-scale saucer-shaped intrusions in the Fennoscandian Shield. *Scientific Reports* 9, 10498 10.1038/s41598-019-46837-x.
- 235: Makushkina, A., Tauzin, B., Tkalčić, H., Thybo, H., 2019. The mantle transition zone in Fennoscandia: Enigmatic high topography without deep mantle thermal anomaly. *Geophysical Research Letters* 46 10.1029/2018GL081742.
- 236: Teknik, V., Ghods, A., Thybo, H. and Artemieva, I., 2019. Crustal density structure of the northwestern Iranian Plateau. *Can. J. Earth Sci.* 56, 1347–1365 (2019) dx.doi.org/10.1139/cjes-2018-0232
- 237: Vahid Teknik, Abdolreza Ghods, Hans Thybo, and Irina M. Artemieva
- 238: Thybo, H., Youssof, M., Artemieva, I.M., 2019. Southern Africa crustal anisotropy reveals coupled crust-mantle evolution for over 2 billion years. *Nature Communications* 10, 5445 10.1038/s41467-019-13267-2.
- 239: Teknik V., Thybo H., Artemieva I.M., Ghods A., 2020, Crustal density structure of NW Iranian Plateau. *Tectonophysics*, 792, 228588, doi: 10.1016/j.tecto.2020.228588.
- 240: Xia, B., Thybo, H., Artemieva, I.M., 2020. Lithosphere Mantle Density of the North China Craton. *Journal of Geophysical Research-Solid Earth* 125 10.1029/2020jb020296.
- 241: Thybo, H. And Artemieva, I., Trans-European Suture Zone. *Encyclopedia of Solid Earth Geophysics*, Ed.: H.K. Gupta, Springer, doi:10.1007/978-3-030-10475-7_282-1.
- 242: Artemieva I.M. and Thybo H., 2020. Continent size revisited: Geophysical evidence for West Antarctica as a back-arc system. *Earth-Science Rev.*, doi:10.1016/j.earscirev.2020.103106, 18 pp.
- 243: Wang, G., H. Thybo (corresponding author), and I. M. Artemieva, 2021. No mafic layer in 80 km thick Tibetan crust, *Nature Communications*, 12, doi: 10.1038/s41467-021-21420-z.
- 244: Hans Thybo, Nevra Bulut, Michael Grund, Alexandra Mauerberger, Anna Makushkina, Irina M. Artemieva, Niels Balling, Olafur Gudmundsson, Valerie Maupin, Lars Ottemøller, Joachim Ritter, Frederik Tilmann; ScanArray—A Broadband Seismological Experiment in the Baltic Shield.

Special Issues and books

- 240: Thybo, H., Pharaoh, T., and Guterch, A. (eds.), 1999, Geophysical Studies of the Trans European Suture Zone, *Tectonophysics*, 314, 350 pp.
- 241: Guterch, A. Grad, M. and Thybo, H. (eds.). Crustal modelling along LT-7 profile across the Teisseyre-Tornquist Zone in NW Poland. Results from EUROPROBE seismic workshops. Publ. Inst. Geophys. Pol. Ac. Sciences.
- 242: Thybo, H., Pharaoh, T., and Guterch, A. (Eds.), 2002, The Trans European Suture Zone, *Tectonophysics*, 360.
- 243: Artemieva, I., Thybo, H., Mooney, W.D., and Perchuc, E., (Eds.), 2002, Structure of the continental lithosphere and upper mantle, *Tectonophysics*, 358, 265 pp.
- 244: Thybo, H (Ed.), 2002, Deep seismic profiling of the continents. *Tectonophysics*, 355, 263 pp.
- 245: Thybo, H. and Anderson, D.L. (Eds.), 2006: The Heterogeneous Mantle, *Tectonophysics*, special volume. 309 pp.
- 246: Ito, T., Iwasaki, T., and Thybo, H. (eds.), 2009. Deep seismic profiling of the continents and their margins. *Tectonophysics*, 342 pp.
- 247: Cloetingh, S., Thybo, H., and Faccenna, C. (Eds.), 2009., TOPO-EUROPE: Studying continental topography and Deep Earth – Surface Processes in 4D. *Tectonophysics*, 416 pp.
- 248: Heikkinen, P., Kukkonen, I., and Thybo, H. (Eds.), 2011, SEISMIX 2008, Active and passive plate margins and subduction zones. *Tectonophysics*, 132 pp.
- 249: Thybo, H., Artemieva, I., and Kennett, B. (Eds.), 2013, Moho: 100 years after Andrija Mohorovicic. *Tectonophysics*, 609, 639 pp.