# Hans Thybo

## List of Publications by Citations



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|---|---|---|---|
| 205 papers | 7,754 citations | 51 h-index | 75 g-index |
| 248 ext. papers | 8,492 ext. citations | 4 avg, IF | 6.11 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 205 | Evidence for early Proterozoic plate tectonics from seismic reflection profiles in the Baltic shield. *Nature*, **1990**, 348, 34-38 | 50.4 | 244 |
| 204 | Moho and magmatic underplating in continental lithosphere. *Tectonophysics*, **2013**, 609, 605-619 | 3.1 | 230 |
| 203 | The Seismic 8degrees Discontinuity and Partial Melting in Continental Mantle. *Science*, **1997**, 275, 1626-9 | 33.3 | 214 |
| 202 | Palaeozoic amalgamation of Central Europe: new results from recent geological and geophysical investigations. *Tectonophysics*, **2002**, 360, 5-21 | 3.1 | 166 |
| 201 | The GGT/SVEKA Transect: Structure and Evolution of the Continental Crust in the Paleoproterozoic Svecofennian Orogen in Finland. *International Geology Review*, **1999**, 41, 287-333 | 2.3 | 153 |
| 200 | Crustal velocity structure across the Main Ethiopian Rift: results from two-dimensional wide-angle seismic modelling. *Geophysical Journal International*, **2005**, 162, 994-1006 | 2.6 | 147 |
| 199 | Magma-compensated crustal thinning in continental rift zones. *Nature*, **2009**, 457, 873-6 | 50.4 | 142 |
| 198 | The heterogeneous upper mantle low velocity zone. *Tectonophysics*, **2006**, 416, 53-79 | 3.1 | 134 |
| 197 | Integrated Seismic Studies of the Baltic Shield Using Data In the Gulf of Bothnia Region. *Geophysical Journal International*, **1993**, 112, 305-324 | 2.6 | 130 |
| 196 | POLONAISE '97 an international seismic experiment between Precambrian and Variscan Europe in Poland. *Tectonophysics*, **1999**, 314, 101-121 | 3.1 | 119 |
| 195 | Cenozoic uplift and subsidence in the North Atlantic region: Geological evidence revisited. *Tectonophysics*, **2009**, 474, 78-105 | 3.1 | 104 |
| 194 | EUNAseis: A seismic model for Moho and crustal structure in Europe, Greenland, and the North Atlantic region. *Tectonophysics*, **2013**, 609, 97-153 | 3.1 | 103 |
| 193 | Crustal structure of the Trans-European suture zone region along POLONAISE'97 seismic profile P4. *Journal of Geophysical Research*, **2003**, 108, | | 103 |
| 192 | TOPO-EUROPE: The geoscience of coupled deep Earth-surface processes. *Global and Planetary Change*, **2007**, 58, 1-118 | 4.2 | 102 |
| 191 | An integrated study of the NE German Basin. *Tectonophysics*, **1999**, 314, 285-307 | 3.1 | 96 |
| 190 | Seismic structure across the Caledonian Deformation Front along MONA LISA profile 1 in the southeastern North Sea. *Tectonophysics*, **1998**, 288, 153-176 | 3.1 | 93 |
| 189 | Crustal and uppermost mantle structure of the Bohemian Massif based on CELEBRATION 2000 data. *Journal of Geophysical Research*, **2005**, 110, | | 91 |

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| 188 | The influence of pre-existing structures on the evolution of the southern Kenya Rift Valley  evidence from seismic and gravity studies. *Tectonophysics*, **1997**, 278, 211-242 | 3.1 | 90 |
| 187 | Crustal structure along the Central Segment of the EGT from seismic-refraction studies. *Tectonophysics*, **1992**, 207, 43-64 | 3.1 | 89 |
| 186 | MONA LISA Deep seismic investigations of the lithosphere in the southeastern North Sea. *Tectonophysics*, **1997**, 269, 1-19 | 3.1 | 86 |
| 185 | Geophysical characteristics of the Tornquist Fan area, northwest Trans-European Suture Zone: indication of late Carboniferous to early Permian dextral transtension. *Geological Magazine*, **1997**, 134, 597-606 | 2 | 85 |
| 184 | Large-scale variation in lithospheric structure along and across the Kenya rift. *Nature*, **1991**, 354, 223-227 | 50.4 | 81 |
| 183 | Crustal structure along the EGT profile across the Tornquist Fan interpreted from seismic, gravity and magnetic data. *Tectonophysics*, **2001**, 334, 155-190 | 3.1 | 80 |
| 182 | Crustal and upper mantle structure of the Western Carpathians from CELEBRATION 2000 profiles CEL01 and CEL04: seismic models and geological implications. *Geophysical Journal International*, **2006**, 167, 737-760 | 2.6 | 79 |
| 181 | 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. *Journal of Geophysical Research*, **2007**, 112, | | 74 |
| 180 | Special Contribution: CELEBRATION 2000 Seismic Experiment. *Studia Geophysica Et Geodaetica*, **2003**, 47, 659-669 | 0.7 | 74 |
| 179 | Caveats on tomographic images. *Terra Nova*, **2013**, 25, 259-281 | 3 | 72 |
| 178 | Crustal structure across the TESZ along POLONAISE'97 seismic profile P2 in NW Poland. *Tectonophysics*, **2002**, 360, 129-152 | 3.1 | 72 |
| 177 | Sharp contrast in lithospheric structure across the Sorgenfrei Tornquist Zone as inferred by Rayleigh wave analysis of TOR1 project data. *Tectonophysics*, **2002**, 360, 75-88 | 3.1 | 69 |
| 176 | Seismic images of Caledonian, lithosphere-scale collision structures in the southeastern North Sea along Mona Lisa Profile 2. *Tectonophysics*, **2000**, 317, 27-54 | 3.1 | 69 |
| 175 | Seismic tomographic imaging ofP- andS-waves velocity perturbations in the upper mantle beneath Iran. *Geophysical Journal International*, **2007**, 169, 1089-1102 | 2.6 | 67 |
| 174 | Crustal structure of the Siberian craton and the West Siberian basin: An appraisal of existing seismic data. *Tectonophysics*, **2013**, 609, 154-183 | 3.1 | 66 |
| 173 | The southern margin of the East European Craton: new results from seismic sounding and potential fields between the North Sea and Poland. *Tectonophysics*, **2002**, 360, 301-314 | 3.1 | 66 |
| 172 | Delineation and character of the Archaean-Proterozoic boundary in northern Sweden. *Precambrian Research*, **1993**, 64, 67-84 | 3.9 | 66 |
| 171 | Proterozoic sutures and terranes in the southeastern Baltic Shield interpreted from BABEL deep seismic data. *Tectonophysics*, **1997**, 270, 259-277 | 3.1 | 65 |

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| 170 | Crustal structure of the northern Main Ethiopian Rift from the EAGLE controlled-source survey; a snapshot of incipient lithospheric break-up. *Geological Society Special Publication*, **2006**, 259, 269-292 | 1.7 | 65 |
| 169 | Crustal structure and active tectonics in the Eastern Alps. *Tectonics*, **2010**, 29, n/a-n/a | 4.3 | 63 |
| 168 | Crustal-scale pop-up structure in cratonic lithosphere: DOBRE deep seismic reflection study of the Donbas fold belt, Ukraine. *Geology*, **2003**, 31, 733 | 5 | 63 |
| 167 | Moho depth and crustal composition in Southern Africa. *Tectonophysics*, **2013**, 609, 267-287 | 3.1 | 62 |
| 166 | Summary of project TOR: delineation of a stepwise, sharp, deep lithosphere transition across GermanyDenmarkSweden. *Tectonophysics*, **2002**, 360, 61-73 | 3.1 | 62 |
| 165 | New Moho Map for onshore southern Norway. *Geophysical Journal International*, **2009**, 178, 1755-1765 | 2.6 | 60 |
| 164 | Application of stacking and inversion techniques to three-dimensional wide-angle reflection and refraction seismic data of the Eastern Alps. *Geophysical Journal International*, **2007**, 170, 275-298 | 2.6 | 60 |
| 163 | Lithospheric structure of the Tornquist Zone resolved by nonlinear P and S teleseismic tomography along the TOR array. *Tectonophysics*, **2006**, 416, 133-149 | 3.1 | 60 |
| 162 | Seismic reflectivity and magmatic underplating beneath the Kenya Rift. *Geophysical Research Letters*, **2000**, 27, 2745-2748 | 4.9 | 60 |
| 161 | DOBREfraction'99Velocity model of the crust and upper mantle beneath the Donbas Foldbelt (East Ukraine). *Tectonophysics*, **2003**, 371, 81-110 | 3.1 | 56 |
| 160 | Lower lithospheric structure beneath the Trans-European Suture Zone from POLONAISE'97 seismic profiles. *Tectonophysics*, **2002**, 360, 153-168 | 3.1 | 56 |
| 159 | EUROBRIDGE: new insight into the geodynamic evolution of the East European Craton. *Geological Society Memoir*, **2006**, 32, 599-625 | 0.4 | 54 |
| 158 | Seismic structure of the Palaeozoic Platform along POLONAISE'97 profile P1 in northwestern Poland. *Tectonophysics*, **1999**, 314, 123-143 | 3.1 | 53 |
| 157 | Non-linear body wave teleseismic tomography along the TOR array. *Geophysical Journal International*, **2002**, 148, 562-574 | 2.6 | 52 |
| 156 | Seismic anisotropy of the lithosphere around the Trans-European Suture Zone (TESZ) based on teleseismic body-wave data of the TOR experiment. *Tectonophysics*, **2002**, 360, 89-114 | 3.1 | 52 |
| 155 | Seismic velocity structure across the FennoscandiaSarmatia suture of the East European Craton beneath the EUROBRIDGE profile through Lithuania and Belarus. *Tectonophysics*, **1999**, 314, 193-217 | 3.1 | 51 |
| 154 | Upper lithospheric seismic velocity structure across the Pripyat Trough and the Ukrainian Shield along the EUROBRIDGE'97 profile. *Tectonophysics*, **2003**, 371, 41-79 | 3.1 | 50 |
| 153 | The deep structure of the Scandes and its relation to tectonic history and present-day topography. *Tectonophysics*, **2013**, 602, 15-37 | 3.1 | 49 |

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| 152 | Regional geological and tectonic structures of the North Sea area from potential field modelling. *Tectonophysics*, **2006**, 413, 147-170 | 3.1 | 49 |
| 151 | Receiver function analysis of the crust and upper mantle from the North German Basin to the Archaean Baltic Shield. *Geophysical Journal International*, **2003**, 155, 641-652 | 2.6 | 49 |
| 150 | Deep Europe today: geophysical synthesis of the upper mantle structure and lithospheric processes over 3.5 Ga. *Geological Society Memoir*, **2006**, 32, 11-41 | 0.4 | 48 |
| 149 | P- and S-wave velocity model of the southwestern margin of the Precambrian East European Craton; POLONAISE'97, profile P3. *Tectonophysics*, **1999**, 314, 175-192 | 3.1 | 48 |
| 148 | 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*, **1996**, 253, 227-245 | 3.1 | 48 |
| 147 | Major crustal features between the Harz Mountains and the Baltic Shield derived from receiver functions. *Tectonophysics*, **1999**, 314, 321-333 | 3.1 | 47 |
| 146 | Deep seismic survey images crustal structure of Tornquist Zone beneath southern Baltic Sea. *Geophysical Research Letters*, **1991**, 18, 1091-1094 | 4.9 | 46 |
| 145 | Special Contribution: ALP 2002 Seismic Experiment. *Studia Geophysica Et Geodaetica*, **2003**, 47, 671-679 | 0.7 | 45 |
| 144 | Seismic evidence of Caledonian deformed crust and uppermost mantle structures in the northern part of the Trans-European Suture Zone, SW Baltic Sea. *Tectonophysics*, **2002**, 360, 215-244 | 3.1 | 45 |
| 143 | Three-dimensional crustal structure beneath the TOR array and effects on teleseismic wavefronts. *Tectonophysics*, **1999**, 314, 309-319 | 3.1 | 45 |
| 142 | Weakly coupled lithospheric extension in southern Tibet. *Earth and Planetary Science Letters*, **2015**, 430, 171-177 | 5.3 | 44 |
| 141 | Crustal structure on the northeastern flank of the Kenya rift. *Tectonophysics*, **1994**, 236, 271-290 | 3.1 | 44 |
| 140 | Closure of the Tornquist sea: Constraints from MONA LISA deep seismic reflection data. *Geology*, **1997**, 25, 1071-1074 | 5 | 43 |
| 139 | Special Contribution: An Overview of Recent Seismic Refraction Experiments in Central Europe. *Studia Geophysica Et Geodaetica*, **2003**, 47, 651-657 | 0.7 | 43 |
| 138 | Potential field imaging of Palaeozoic orogenic structure in northern and central Europe. *Tectonophysics*, **2002**, 360, 23-45 | 3.1 | 43 |
| 137 | Geophysical evidence for Early Permian igneous activity in a transtensional environment, Denmark. *Tectonophysics*, **1991**, 189, 193-208 | 3.1 | 43 |
| 136 | East Avalonia, the third partner in the Caledonian collisions: evidence from deep seismic reflection data. *Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie*, **1994**, 83, 186-196 | | 42 |
| 135 | Seismic structure and composition of the crust beneath the southern Scandes, Norway. *Tectonophysics*, **2011**, 502, 364-382 | 3.1 | 40 |

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| 134 | Upper-mantle structure beneath the Southern Scandes Mountains and the Northern Tornquist Zone revealed by P-wave traveltime tomography. *Geophysical Journal International*, **2012**, 189, 1315-1334 | 2.6 | 39 |
| 133 | A synthesis of Cenozoic sedimentation in the North Sea. *Basin Research*, **2012**, 24, 154-179 | 3.2 | 39 |
| 132 | Relating Cenozoic North Sea sediments to topography in southern Norway: The interplay between tectonics and climate. *Earth and Planetary Science Letters*, **2010**, 300, 19-32 | 5.3 | 39 |
| 131 | Heat production in granitic rocks: Global analysis based on a new data compilation GRANITE2017. *Earth-Science Reviews*, **2017**, 172, 1-26 | 10.2 | 38 |
| 130 | Important findings expected from Europe's largest seismic array. *Eos*, **1999**, 80, 1 | 1.5 | 38 |
| 129 | Origin of the regional stress in the North German basin: results from numerical modelling. *Tectonophysics*, **2002**, 360, 245-264 | 3.1 | 36 |
| 128 | Crustal structure and tectonic evolution of the Tornquist Fan region as revealed by geophysical methods. *Bulletin of the Geological Society of Denmark*, **1999**, 46, 145-160 | 1 | 36 |
| 127 | The legacy of the NE German Basin reactivation by compressional buckling. *Terra Nova*, **2000**, 12, 132 | 3 | 36 |
| 126 | MAGNUS--A Seismological Broadband Experiment to Resolve Crustal and Upper Mantle Structure beneath the Southern Scandes Mountains in Norway. *Seismological Research Letters*, **2010**, 81, 76-84 | 3 | 35 |
| 125 | The stress field below the NE German Basin: effects induced by the Alpine collision. *Geophysical Journal International*, **2001**, 144, F8-F12 | 2.6 | 35 |
| 124 | Seismic tomographic inversion of Russian PNE data along profile Kraton. *Geophysical Research Letters*, **1999**, 26, 3413-3416 | 4.9 | 35 |
| 123 | Moho topography and lower crustal wide-angle reflectivity around the TESZ in southern Scandinavia and northeastern Europe. *Tectonophysics*, **2002**, 360, 187-213 | 3.1 | 34 |
| 122 | New map compiled of Europe's gravity field. *Eos*, **1998**, 79, 437-437 | 1.5 | 33 |
| 121 | No Moho uplift below the Baikal Rift Zone: Evidence from a seismic refraction profile across southern Lake Baikal. *Journal of Geophysical Research*, **2009**, 114, | | 32 |
| 120 | Deep Norden: Highlights of the lithospheric structure of Northern Europe, Iceland, and Greenland. *Episodes*, **2008**, 31, 98-106 | 1.6 | 32 |
| 119 | Lower crustal intrusions beneath the southern Baikal Rift Zone: Evidence from full-waveform modelling of wide-angle seismic data. *Tectonophysics*, **2009**, 470, 298-318 | 3.1 | 31 |
| 118 | 100years of seismic research on the Moho. *Tectonophysics*, **2013**, 609, 9-44 | 3.1 | 30 |
| 117 | Crustal structure of the Eastern Alps and their foreland: seismic model beneath the CEL10/Alp04 profile and tectonic implications. *Geophysical Journal International*, **2009**, 177, 279-295 | 2.6 | 30 |

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| 116 | Origin of upper-mantle seismic scattering - evidence from Russian peaceful nuclear explosion data. *Geophysical Journal International*, **2003**, 154, 196-204 | 2.6 | 30 |
| 115 | Implications of seismic scattering below the 8° discontinuity along PNE profile Kraton. *Tectonophysics*, **2002**, 358, 135-150 | 3.1 | 30 |
| 114 | Anisotropy across the Sorgenfrei Tornquist Zone from shear wave splitting. *Tectonophysics*, **1999**, 314, 335-350 | 3.1 | 30 |
| 113 | Crustal structure along the west flank of the Cascades, western Washington. *Journal of Geophysical Research*, **1997**, 102, 17857-17873 | | 29 |
| 112 | Rifting and lower crustal reflectivity: A case study of the intracratonic Dniepr-Donets rift zone, Ukraine. *Journal of Geophysical Research*, **2007**, 112, | | 29 |
| 111 | Seismic and gravity modelling of crustal structure in the Central Graben, North Sea. Observations along MONA LISA profile 3. *Tectonophysics*, **2000**, 328, 229-244 | 3.1 | 29 |
| 110 | Miocene uplift of the NE Greenland margin linked to plate tectonics: Seismic evidence from the Greenland Fracture Zone, NE Atlantic. *Tectonics*, **2016**, 35, 257-282 | 4.3 | 28 |
| 109 | Crustal structure variation from the Precambrian to Palaeozoic platforms in Europe imaged by the inversion of teleseismic receiver functions-project TOR. *Geophysical Journal International*, **2002**, 150, 261-270 | 2.6 | 28 |
| 108 | Three-dimensional seismic modelling of crustal structure in the TESZ region based on POLONAISE'97 data. *Tectonophysics*, **2002**, 360, 169-185 | 3.1 | 28 |
| 107 | Upper mantle structure beneath southern African cratons from seismic finite-frequency P- and S-body wave tomography. *Earth and Planetary Science Letters*, **2015**, 420, 174-186 | 5.3 | 27 |
| 106 | Tomographic inversion of seismic P- and S-wave velocities from the Baltic Shield based on FENNOLORA data. *Tectonophysics*, **2002**, 358, 151-174 | 3.1 | 27 |
| 105 | Crustal structure at the SE Greenland margin from wide-angle and normal incidence seismic data. *Tectonophysics*, **1998**, 288, 191-198 | 3.1 | 26 |
| 104 | A new tectonic model for the Laurentia Avalonia Baltica sutures in the North Sea: A case study along MONA LISA profile 3. *Tectonophysics*, **2007**, 429, 201-227 | 3.1 | 26 |
| 103 | Interpretation in statu nascendi of seismic wide-angle reflections based on EUGENO-S data. *Tectonophysics*, **1998**, 289, 281-294 | 3.1 | 25 |
| 102 | Upper crustal seismic structure of the Mazury complex and Mazowsze massif within East European Craton in NE Poland. *Tectonophysics*, **2002**, 360, 115-128 | 3.1 | 25 |
| 101 | East Greenland Ridge in the North Atlantic Ocean: An integrated geophysical study of a continental sliver in a boundary transform fault setting. *Journal of Geophysical Research*, **2008**, 113, | | 24 |
| 100 | Crustal velocity structure across the Tornquist and Iapetus Suture Zones a comparison based on MONA LISA and VARNET data. *Tectonophysics*, **1999**, 314, 69-82 | 3.1 | 24 |
| 99 | 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*, **2013**, 608, 1049-1072 | 3.1 | 23 |

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| 98 | Neoproterozoic and Palaeozoic evolution of SW Scandinavia based on integrated seismic interpretation. *Precambrian Research*, **2012**, 204-205, 75-104 | 3.9 | 23 |
| 97 | Stochastic velocity inversion of seismic reflection/refraction traveltime data for rift structure of the southwest Barents Sea. *Tectonophysics*, **2013**, 593, 135-150 | 3.1 | 23 |
| 96 | Lower crustal high-velocity bodies along North Atlantic passive margins, and their link to Caledonian suture zone eclogites and Early Cenozoic magmatism. *Tectonophysics*, **2016**, 670, 16-29 | 3.1 | 22 |
| 95 | Receiver function analysis of the crust and upper mantle in Fennoscandia Isostatic implications. *Earth and Planetary Science Letters*, **2013**, 381, 234-246 | 5.3 | 22 |
| 94 | 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. *Geophysical Journal International*, **2015**, 201, 406-428 | 2.6 | 22 |
| 93 | Crustal structure and composition of the Oslo Graben, Norway. *Earth and Planetary Science Letters*, **2011**, 304, 431-442 | 5.3 | 22 |
| 92 | Power Spectra Analysis of Aeromagnetic Data and KTB Susceptibility Logs, and their Implication for Fractal Behavior of Crustal Magnetization. *Pure and Applied Geophysics*, **1998**, 151, 147-159 | 2.2 | 22 |
| 91 | Constraints on seismic velocity anomalies beneath the Siberian craton from xenoliths and petrophysics. *Tectonophysics*, **2006**, 425, 123-135 | 3.1 | 22 |
| 90 | The origin of teleseismic Pn waves: Multiple crustal scattering of upper mantle whispering gallery phases. *Journal of Geophysical Research*, **2003**, 108, | | 22 |
| 89 | Reflection seismic evidence for Caledonian deformed sediments above Sveconorwegian basement in the southwestern Baltic Sea. *Tectonics*, **2001**, 20, 268-276 | 4.3 | 22 |
| 88 | Seismic crustal structure of the North China Craton and surrounding area: Synthesis and analysis. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 5181-5207 | 3.6 | 21 |
| 87 | Seismic velocity model of the crust and uppermost mantle around the Mirnyi kimberlite field in Siberia. *Tectonophysics*, **2006**, 420, 49-73 | 3.1 | 21 |
| 86 | Potential field modelling of the BalticaAvalonia (ThorTornquist) suture beneath the southern North Sea. *Tectonophysics*, **2002**, 360, 47-60 | 3.1 | 21 |
| 85 | Seismic reflections from the near-vertical San Andreas Fault. *Geophysical Research Letters*, **1996**, 23, 237-240 | 4.9 | 21 |
| 84 | Sensitivity analysis of crustal correction for calculation of lithospheric mantle density from gravity data. *Geophysical Journal International*, **2016**, 204, 687-696 | 2.6 | 20 |
| 83 | Seismic scattering at the top of the mantle Transition Zone. *Earth and Planetary Science Letters*, **2003**, 216, 259-269 | 5.3 | 20 |
| 82 | Seismic experiment spreads across Poland. *Eos*, **1998**, 79, 302-302 | 1.5 | 20 |
| 81 | Some remarks on the structure and geodynamics of the Kenya Rift. *Tectonophysics*, **1992**, 213, 257-268 | 3.1 | 20 |

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| 80 | Interwedging and inversion structures around the trans-European suture zone in the Baltic Sea, a manifestation of compressive tectonic phases. *Tectonophysics*, **2002**, 360, 265-280 | 3.1 | 19 |
| 79 | Crustal structure across the M□e margin, mid-Norway, from wide-angle seismic and gravity data. *Tectonophysics*, **2014**, 626, 21-40 | 3.1 | 18 |
| 78 | Seismic velocity structure of a large mafic intrusion in the crust of central Denmark from project ESTRID. *Tectonophysics*, **2006**, 420, 105-122 | 3.1 | 18 |
| 77 | Regional and teleseismic events recorded across the TESZ during POLONAISE'97. *Tectonophysics*, **1999**, 314, 161-174 | 3.1 | 18 |
| 76 | Gravity signals from the lithosphere in the Central European Basin System. *Tectonophysics*, **2007**, 429, 133-163 | 3.1 | 17 |
| 75 | Random heterogeneity of the lithosphere across the Trans-European Suture Zone. *Geophysical Journal International*, **2000**, 141, 57-70 | 2.6 | 17 |
| 74 | 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*, **2006**, 416, 151-166 | 3.1 | 16 |
| 73 | Identification of crustal and upper mantle heterogeneity by modelling of controlled-source seismic data. *Tectonophysics*, **2006**, 416, 209-228 | 3.1 | 16 |
| 72 | Pre-Zechstein structures around the MONA LISA deep seismic lines in the southern Horn Graben area. *Bulletin of the Geological Society of Denmark*, **1999**, 45, 99-116 | 1 | 16 |
| 71 | Mantle temperature as a control on the time scale of thermal evolution of extensional basins. *Earth and Planetary Science Letters*, **2015**, 409, 61-70 | 5.3 | 15 |
| 70 | Crustal composition of the M□e Margin and compilation of a conjugate Atlantic margin transect. *Tectonophysics*, **2016**, 666, 144-157 | 3.1 | 15 |
| 69 | Deep seismic investigation of crustal extensional structures in the Danish Basin along the ESTRID-2 profile. *Geophysical Journal International*, **2008**, 173, 623-641 | 2.6 | 15 |
| 68 | Seismic constraints on a large mafic intrusion with implications for the subsidence history of the Danish Basin. *Journal of Geophysical Research*, **2008**, 113, | | 15 |
| 67 | Constraints on reflective bodies below the 8□discontinuity from reflectivity modelling. *Geophysical Journal International*, **2001**, 145, 759-770 | 2.6 | 15 |
| 66 | Pre-Zechstein geology of the south-east North Sea, offshore Denmark□ geophysical perspective. *First Break*, **1997**, 15, 387-395 | 0.5 | 14 |
| 65 | Azimuthal variation of Pg velocity in the Moldanubian, Czech Republic: observations based on a multi-azimuthal common-shot experiment. *Tectonophysics*, **2004**, 387, 189-203 | 3.1 | 14 |
| 64 | Calculation of residual gravity anomalies in Northern Jutland, Denmark. *First Break*, **1996**, 14, | 0.5 | 14 |
| 63 | Processes of lithosphere evolution: new evidence on the structure of the continental crust and uppermost mantle. *Tectonophysics*, **2002**, 358, 1-15 | 3.1 | 13 |

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| 62 | Moho:. *Tectonophysics*, **2013**, 609, 1-8 | 3.1 | 12 |
| 61 | Mesozoic(?) lithosphere-scale buckling of the East European Craton in southern Ukraine: DOBRE-4 deep seismic profile. *Geophysical Journal International*, **2013**, 195, 740-766 | 2.6 | 12 |
| 60 | Integrated seismic analysis of the Chalk Group in eastern Denmark□mplications for estimates of maximum palaeo-burial in southwest Scandinavia. *Tectonophysics*, **2011**, 511, 14-26 | 3.1 | 12 |
| 59 | TeleseismicPnarrivals: influence of mantle velocity gradient and crustal scattering. *Geophysical Journal International*, **2003**, 152, F1-F7 | 2.6 | 12 |
| 58 | Intraplate earthquakes and a seismically defined lateral transition in the upper mantle. *Geophysical Research Letters*, **2000**, 27, 3953-3956 | 4.9 | 12 |
| 57 | Isopycnicity of cratonic mantle restricted to kimberlite provinces. *Earth and Planetary Science Letters*, **2019**, 505, 13-19 | 5.3 | 12 |
| 56 | Seismic velocity structure of crustal intrusions in the Danish Basin. *Tectonophysics*, **2012**, 572-573, 64-75 | 3.1 | 11 |
| 55 | Seismic tomographic interpretation of Paleozoic sedimentary sequences in the southeastern North Sea. *Geophysics*, **2005**, 70, R45-R56 | 3.1 | 11 |
| 54 | The crustal structure in the transition zone between the western and eastern Barents Sea. *Geophysical Journal International*, **2018**, 214, 315-330 | 2.6 | 10 |
| 53 | Layered crust□mantle transition zone below a large crustal intrusion in the Norwegian□Danish Basin. *Tectonophysics*, **2009**, 472, 194-212 | 3.1 | 10 |
| 52 | Reflection seismic profiles of the core-mantle boundary. *Journal of Geophysical Research*, **2004**, 109, | | 10 |
| 51 | Explosion seismic reflections from the Earth□ core. *Earth and Planetary Science Letters*, **2003**, 216, 693-702 | 5.3 | 10 |
| 50 | Two Reflectors in the 400 Km Depth Range Revealed from Peaceful Nuclear Explosion Seismic Sections **1997**, 97-103 | | 10 |
| 49 | Seismic evidence for Late Proterozoic orogenic structures below the Phanerozoic sedimentary cover in the Kattegat area, SW Scandinavia. *Tectonics*, **2004**, 23, n/a-n/a | 4.3 | 9 |
| 48 | Location of the Carlsberg Fault zone from seismic controlled-source fan recordings. *Geophysical Research Letters*, **2004**, 31, n/a-n/a | 4.9 | 9 |
| 47 | Crustal density structure of the northwestern Iranian Plateau. *Canadian Journal of Earth Sciences*, **2019**, 56, 1347-1365 | 1.5 | 9 |
| 46 | Emplacement and 3D geometry of crustal-scale saucer-shaped intrusions in the Fennoscandian Shield. *Scientific Reports*, **2019**, 9, 10498 | 4.9 | 8 |
| 45 | Basement structure in the southern North Sea, offshore Denmark, based on seismic interpretation. *Geological Society Special Publication*, **2002**, 201, 311-326 | 1.7 | 8 |

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| 44 | Lithosphere Mantle Density of the North China Craton. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2020JB020296 | 3.6 | 8 |
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