

References

Alessandrini, B., Beranzoli, L., Drakatos, G., Falcone, C., Karantonis, G., Mele, F. M. & Stavrakakis, G. (1997). Back Arcs Basins and P-wave Crustal Velocity in the Ionian and Aegean Regions, *Geophys. Res. Letts.*, **24**, 5, 527-530.

Allan, T. D. & Morelli, C. (1971). A Geophysical Study of the Mediterranean Sea, *Boll. Geofis. teor. ed appl.*, **13**, 50, 99-142.

Alptekin, Ö., Ilkisik, O. M., Ezen, Ü. & Üçer, S. B. (1990). Heat Flow, Seismicity and the Crustal Structure of Western Anatolia, *IIESCA-1990 Proceedings*, 1-12.

Ambraseys, N. N. & Jackson, J. A. (1990). Seismicity and Associated Strain of Central Greece Between 1890 and 1988, *Geophys. J. Int.*, **101**, 663-708.

Ambraseys, N. N. & Tchalenko, J. S. (1970). The Gediz (Turkey) Earthquake of 1970 March 28th., *Nature*, **227**, 592-595.

Ammon, C. J. (1991). The isolation of receiver effects from teleseismic P waveforms, *Bull. Seism. Soc. Am.* **81**, 2504-2510.

Anderson, H. & Jackson, J. (1987). Active Tectonics of the Adriatic Region., *Geophys. J. R. Astron. Soc.*, **91**, 937-983.

References

Angelier, J. (1979). Recent Quaternary tectonics in the Hellenic arc: examples of geological observations on land, *Tectonophysics*, **52**, 267-275.

Angelier, J. & Le Pichon, X. (1980). Neotectonique Horizontale et Verticale de l'Égée: Subduction et Expansion., *Geologie des Chaînes Alpines Issues de la Téthys*. Int. Geol. Congr., 26th, Paris -Mem. B. R. G. M., **115**, 249-260.

Angelier, J., Lyberis, N., Le Pichon, X., Barrier, E. & Huchon, P. (1982). The neotectonic development of the Hellenic arc and the Sea of Crete: a synthesis, *Tectonophysics*, **86**, 159-196.

Armijo, R., Meyer, B., King, G., Rigo, A. & Papanastassiou, D. (1996). Quaternary evolution of the Corinth Rift and its applications for the late Cenozoic evolution of the Aegean, *Geophys. J. Int.*, **126**, 11-53.

Aubouin, J. (1959). Contribution à l'étude géologique de la Grèce septentrionale: les confins de l'Épire et de la Thessalie, *Ann. Geol. Pays Hellen.*, **10**, 483pp.

Barton, M., Salters, V. & Huijsmans, J. (1983). Sr-isotope and Trace Element Evidence for the Role of Continental Crust in Calc - Alkaline Volcanism on Santorini and Milos, Aegean Sea, Greece., *Earth Planet. Sci. L*, **63**, 273-291.

Berckhemer, H. & Kowalczyk, G. (1978). Postalpine Geodynamics of the Peloponnesus., *Alps, Apennines, Hellenides* (Eds: H. Cloos et al.). Schweizerbart, Stuttgart.

Bijwaard, H., Spakman, W., Engdahl, E. R. (1998). Closing the gap between regional and global travel time tomography, *J. Geophys. Res.* **103**, 30055-30078

References

- Bock, G. (1991). Long-period S to P converted waves and the onset of partial melting beneath Oahu, Hawaii, *Geophys. Res. Lett.*, **18**, 869-872.
- Bohnhoff, M., Makris, J., Papanikolaou, D., and Stravakakis, G. (2001). Crustal investigation of the Hellenic subduction zone using wide aperture seismic data, *Tectonophysics*, **343**, 239-262.
- Bostock, M. G., Hyndman, R. D., Rondenay, S. & Peacock, S. M. (2000). An inverted continental Moho and serpentinization of the forearc mantle, *Nature*, **417**, 536-538.
- Bourova, E., Kassaras, I., Pedersen, H. A., Yanovskaya, T., Hatzfeld, D. & Kirtazi, A. (2000). Constraints on absolute S velocities beneath the Aegean sea from surface wave analysis, *Geophys. J. Int.*, **160**, 1006-1019.
- Briqueu, L., Javoy, M., Lancelot, J. R. & Tatsumoto, M. (1986). Isotope Geochemistry of Recent Magmatism in the Aegean Arc: Sr, Nd, Hf, and O Isotopic Ratios in the Lavas of Milos and Santorini - Geodynamic Implications., *Earth Planet. Sci. L.*, **80**, 41-54.
- Brooks, M., Clews, J. E., Melis, N. S. & Underhill, J. R. (1988). Structural development of Neogene basins in western Greece, *Basin Research*, **1**, 129-138.
- Brooks, M. & Kiriakidis, L. (1986). Subsidence of the North Aegean Trough: An alternative view, *J. geol. Soc. Lond.*, **143**, 23-27.
- Cassidy, J. F. (1992). Numerical experiments in broadband receiver function analysis, *Bull. Seism, Soc. Am.*, **82**, 1453-1474.

References

- Calcagnile, G., D'Ingeo, F., Farrugia, P. & Panza, G. F. (1982). The lithosphere in the central-eastern Mediterranean area, *Pure Appl. Geophys.*, **120**, 389-406.
- Caputo, M., Panza, G.F. & Postpischl, D. (1970). Deep Structure of the Mediterranean Basin., *J. Geophys. Res.*, **75**, 4919-4923.
- Christodoulou, A. & Hatzfeld, D. (1988). Three-dimensional crustal and upper mantle structure beneath Chalkidiki (northern Greece), *Earth planet. Sci. Lett.*, **88**, 153-168.
- Clément, C., Sachpazi, M., Charvis, P., Graindorge, D., Laigle, M., Hirn, A. & Zafiropoulos, G. (2004). Reflection-refraction seismic in the Gulf of Corinth: hints at deep structure and control of the deep marine basin, *Tectonophysics*, **391**, 97-108
- Comninakis, P. E. & Papazachos, B. C. (1980). Space and Time Distribution of the Intermediate Focal Depth Earthquakes in the Hellenic Arc., *Tectonophysics*, **70**, 35-47.
- Delibasis, N., Makris, J. & Drakopoulos, J. (1988). Seismic investigation of the crust and the upper mantle in western Greece, *Annal. Geol. Pays Hell.*, **33**, 69-83.
- De Jonge, M. R., Wortel, M. J. R. & Spakman, W. (1993). From tectonic reconstruction to upper mantle model: An application to the Alpine-Mediterranean region, *Tectonophysics*, **223**, 53-65.
- De Mets, C., Gordon, R. G., Argus, D. F. & Stein, S. (1990). Current plate motions, *Geophys. J. Int.*, **101**, 425-478.
- Drakatos, G. & Drakopoulos, J. (1991). 3-D velocity structure beneath the crust and upper mantle of the Aegean sea region, *Pure appl. Geophys.*, **135**, 401-420.

References

- Ekstrom, G. & England, Ph. (1989). Seismic strain rates in regions of distributed continental deformation, *J. Geophys. Res.*, **94**, 10231-10257.
- Endgahl, E. R., van der Hilst, R. & Buland, R. (1988). Global teleseismic earthquake relocation with improved travel times and procedures for depth determination, *Bull. Seismol. Soc. Am.*, **88**, 722-743.
- Endrun, B., Meier, T., Bischoff, M. & Harjes, H. P. (2004). Lithospheric structure in the area of Crete constrained by receiver functions and dispersion analysis of Rayleigh phase velocities, *Geophys. J. Int.*, **158**, 592-608.
- Ergin, K., 1966. On Epicentre Map of Turkey and Surrounding Area., *T.J.K. Bült.*, **10**, 122.
- Faber, S., Müller, G. (1980). Sp phases from the transition zone between the upper and lower mantle, *Bull. Seism. Soc. Am.*, **70**, 487-508.
- Farra, V. & Vinnik, L. (2000). Upper mantle stratification by P and S receiver functions, *Geophys. J. Int.*, **141**, 699-712.
- Faure, M. & Bonneau, M., 1988. Donnees Nouvelles sur / extension Neogene de I Egee: la Deformation Ductile du Granite Miocene de Mykonos (Cyclades, Greece), *C. R. Acad. Sci. Paris*, **307**, 1553-1559.
- Galanopoulos, A. G. (1967). The Seismotectonic Regime in Greece., *Ann. Geofis.*, **20**, 109.
- Gautier, P., Balleve, M., Brun, J.-P. & Jolivet, L. (1990). Extension Ductile et Sedimentaires Mio -Pliocenes dans les Cyclades (iles de Naxos et Paros), *C. R. Acad. Sci. Paris*, **310**, 147-153.

References

Gautier, P., Brun, J. P. (1994). Ductile crust exhumation and extensional detachments in the central Aegean (Cyclades and Evia islands), *Geodyna. Acta*, **7**, 57-85.

Gautier, P., Brun, J. P., Moriceau, R., Sokoutis, D., Martinod, J. & Jolivet, L. (1999). Timing, kinematics and cause of Aegean extension: a scenario based on a comparison with simple analogue experiments, *Tectonophysics*, **315**, 31-72.

Gregersen, S. & Jaeger, W. (1984). The Gravity Field of a Dipping Plate in Greece., *Geophys. J. R. Astron. Soc.*, **76**, 439-443.

Hacker, B. R., Abers, G. A., Peacock, S. M. (2003). Subduction factory, 1. Theoretical mineralogy, densities, seismic wave speeds, and H₂O contents, *J. Geophys. Res.*, **108**, NO. B1, 2029, doi:10.1029/2001JB001127.

Hatzfeld, D., Karagianni, E., Kassaras, I., Kiratzi, A., Louvari, E., Lyon-Caen, H., Makropoulos, K., Papadimitriou, P., Bock, G., and Priestley, K. (2001). Shear wave anisotropy in the upper antle beneath the Aegean related to internal deformation, *J. Geophys. Res.*, **106**, 30737-30753.

Hatzfeld, D. (1994). On the shape of the subducting slab beneath the Peloponnese, Greece, *Geophys. Res. Lett.*, **21**, 173-176.

Hatzfeld, D., et al. (1989). The Hellenic subduction beneath the Peloponnesus: First results of a microearthquake study, *Earth Planet. Sci. Lett.*, **93**, 283-291.

Hatzfeld, D., Besnard, M., Makropoulos, K., Voulgaris, N., Kouskouna, V., Hatzidimitriou, P., Panagiotopoulos, D., Karakaisis, G., Deschamps, & Lyon-Caen, H. (1993), Subcrustal microearthquake seismicity and fault plane solutions beneath the Hellenic arc, *J. Geophys. Res.*, **98**, 9861-9870.

References

Hatzfeld, D., Kementzetzidou, D., Karakostas, V., Ziazia, M., Northard, S., Diagourtas, D., Deschamps, A., Karakaisis, G., Papadimitriou, P., Scordilis, M., Smith, R., Voulgaris, V., Kiratzi, S., Makropoulos, K., Bouin, M. P. & Bernard, P. (1996). The Galaxidi Earthquake of 18 November 1992: A Possible Asperity within the Normal Fault System of the Gulf of Corinth (Greece), *Bull. Seism. Soc. Am.*, **86**, 6, 1987-1991.

Hatzfeld, D. & Martin, C. (1992). The Aegean intermediate seismicity defined by ISC data, *Earth Planet. Sci. Lett.*, **113**, 267-275.

Hatzfeld, D., Martinod, J., Bastet, G. & Gautier, P. (1997). An analog experiment for the Aegean to describe the contribution of gravitational potential energy, *J. Geophys. Res.*, **102**, 649-659.

Hatzfeld, D., Pedotti, G., Hatzidimitriou, P. & Makropoulos, K. (1990). The Strain Pattern in the Western Hellenic Arc Deduced from a Microearthquake Survey, *Geophys. J. Int.*, **101**, 181-202.

Jackson, J. A., King, G. C. P. & Vita-Finzi, C. (1982). The Tectonics of the Aegean: an Alternative View., *Earth Planet. Sci. Lett.*

Jackson, J. A. & McKenzie, D. P. (1984a). Active Tectonics of the Alpine Himalayan Belt Between Western Turkey and Pakistan, *Geophys. J. R. Astron. Soc.*, **77**, 185-246.

Jackson, J. A. & McKenzie, D. P. (1984b). Rotational Mechanism of Active Deformation in Greece and Iran, *The Geological Evolution of the Eastern Mediterranean* (Eds: J. E. Dixon, A. H. F. Robertson), 743-754.

References

Jackson, J., Haines, J. & Holt, W. (1994). A comparison of satellite laser ranging and seismicity data in the Aegean region, *Geophys. Res. Lett.*, **21**, 2849-2852.

Jackson, J. A. & McKenzie, D. P. (1988). The relationship between plate motions and seismic moment tensors, and the rates of active deformation in the Mediterranean and Middle East, *Geophys. J. R. Astron. Soc.*, **93**, 45-73.

Jolivet, L., Brun, J.-P., Gautier, P., Lallemand, S. & Patriat, M. (1994). 3D-Kinematics of Extension in the Aegean Region from the Early Miocene to the Present, Insights from the Ductile Crust, *Bull. Soc. géol. Fr.*, **165**, 3, 195-209.

Jolivet, L. (2001). A comparison of geodetic and finite strain in the Aegean, geodynamic implications, *Earth Planet. Sci. Lett.* **187**, 95-104.

Jongsma, D. (1974). Heat Flow in the Aegean Sea, *Geophys. J. R. Astron. Soc.*, **37**, 337-346.

Jongsma, D. (1975). A Marine Geophysical Study of the Hellenic Arc, PhD, Cambridge.

Jongsma, D. (1977). Bathymetry and Shallow Structure of the Pliny and Strabo Trenches, South of the Hellenic Arc, *Geol. Soc. Am. Bull.*, **88**, 797-805.

Kahle, H. -G., Straub, C., Reilinger, R., McClusky, S., King, R., Hurst, K., Veis, G., Kastens, K., Cross, P. (1998). The strain field in the eastern Mediterranean region, estimated by repeated GPS measurements, *Tectonophysics*, **294**, 237-252.

Karagianni, E. E. et al. (2002). Rayleigh wave group velocity tomography in the Aegean area, *Tectonophysics*, **358**, 187-209.

References

- Karagianni, E. E., Papazachos, C. B., Panagiotopoulos, D. G., Suhadolc, P., Vuan, A. & Panza, G. F. (2005). Shear velocity structure in the Aegean area obtained by inversion of Rayleigh waves, *Geophys. J. Int.*, **160**, 127-143.
- Kind, R. (1985). The reflectivity method for different source and receiver structures and comparison with GRF data, *J. Geophys.* **58**, 146-152, 1985.
- Kind, R. and Vinnik, L. P. (1988). The upper mantle discontinuities underneath the GRF array from P-to-S converted phases, *J. Geophys.* **62**, 138-147.
- Kirtazi, A. A., Papadimitriou, E. E & Papazachos, B. C. (1987). Survey in the Steno dam site in northwestern Greece, *Ann. Geophys.*, **5**, 161-166.
- Kissel, C. & Laj, C. (1988). The tertiary geodynamical evolution of the Aegean arc; a paleomagnetic reconstruction, *Tectonophysics*, **146**, 183-201.
- Kosarev, G., Kind, R., Sobolev, S. V., Yuan, X., Hanka, W., Oreshin, S. (1999). Seismic evidence for a detached Indian lithosphere mantle beneath Tibet, *Science*, **283**, 1306-1309.
- Knapmeyer, M. & Harjes, H. -P. (2000). Imaging crustal discontinuities and the downgoing slab beneath western Crete, *Geophys. J. Int.*, **143**, 1-21.
- Kumar, P., Kind, R., Hanka, W., Wylegalla, K., Reigber, Ch., Yuan, X., Wölbern, I., Schwintzer, P., Fleming, K., Dahl-Jensen, T., Larsen, T., Schweitzer, J., Priestley, K., Gudmundsson, O., Wolf, D. (2005). The Lithosphere-Asthenosphere Boundary in the North West Atlantic Region. *EPSL*, submitted.

References

Kumar, P., Yuan, X., Kind, R. and Kosarev, G. (2005). The lithosphere-asthenosphere boundary in the Tien Shan-Karakoram region from S receiver functions - evidence of continental subduction, *Geophys. Res. Lett.*, **32**, L07305, doi:10.1029.

Lagios, E., Hipkin, R. G., Angelopoulos, A. & Nikolaou, S. (1988). The gravity anomaly map of Greece: A recompilation, *Inst. of Geol. and Miner. Explor. of Greece, Athens*.

Langston, C. A. (1979). Structure under the Mount Rainier, Washington, inferred from teleseismic body waves, *J. Geophys. Res.*, **84**, 4749-4762.

Langston, C. A. (1977). The effect of planar dipping structure on source and receiver responses for constant ray parameter. *Bull. Seism. Soc. Am.*, **67**, 1029-1050.

Le Pichon, X. & Angelier, J. (1979). The Hellenic arc and trench system: a key to the neotectonic evolution of the eastern Mediterranean area, *Tectonophysics*, **60**, 1-42.

Le Pichon, X. & Angelier, J. (1981). The Aegean Sea, *Phil. Trans. Roy. Soc. Lond.*, **A300**, 357 -372.

Le Pichon, X., Chamot-Rooke, N. & Lallemand, S. (1995). Geodetic determination of the kinematics of central Greece with respect to Europe: implications for eastern Mediterranean tectonics, *J. Geophys. Res.*, **100**, 12675-12690.

Le Pichon, X., Lyb ris, N. & Alvarez, F. (1984). Subsidence History of the North Aegean Trough, *The Geological Evolution of the Eastern Mediterranean* (Eds: J. E. Dixon, A. H. F. Robertson), 727-741.

References

- Le Pichon, X., Lyberis, N., Angelier, J. & Renard, V. (1982). Strain distribution over the east Mediterranean ridge: a synthesis incorporating new Sea-Beam data, *Tectonophysics*, **86**, 243-274.
- Levin, V. & Park, J. (1997). P-SH conversions in a flat-layered medium with anisotropy of arbitrary orientation, *Geophys J. Int.*, **131**, 253-266.
- Li, X., Bock, G., Vafidis, A., Kind, R., Harjes, H. -P., Hanka, W., Wylegalla, K., v. d. Meijde, M., and Yuan, X. (2003). Receiver function study of the Hellenic subduction zone: Imaging crustal thickness variations and the oceanic Moho of the descending African lithosphere, *Geophys. J. Int.*, **155**, 733-748.
- Li, X., Kind, R., Yuan, X., Wölbern, I. and Hanka, W. (2004). Rejuvenation of the Lithosphere by the Hawaiian plume. *Nature*, **427**, 827 – 829.
- Ligdas, C. N. & Lees, J. M. (1993). Seismic velocity constrains in the Thessaloniki and Chalkidiki areas (northern Greece) from a 3-D tomographic study, *Tectonophysics*, **228**, 97-121.
- Ligdas, C. N. & Main, I. G. (1991). On the resolving power of tomographic images in the Aegean area, *Geophys. J. Int.*, **107**, 197-203.
- Ligdas, C. N, Main, I. G. & Adams, R. D. (1990). 3-D structure of the lithosphere in the Aegean sea region, *Geophys. J. Int.*, **102**, 219-229.
- Lort, J. M. (1971). The Tectonics of the eastern Mediterranean: A Geophysical Review, *Reviews of Geophysics and Space Physics*, 9, 2.

References

Makris, J. (1973). Some geophysical aspects of the evolution of the Hellenides, *Bull. geol. Soc. Greece*, **10**, 206-213.

Makris, J. (1975). Crustal Structure of the Aegean Sea and the Hellenides Obtained from Geophysical Survey., *J. Geophys.*, **41**, 441-443.

Makris, J. (1976). A dynamic model of the Hellenic arc deduced from geophysical data, *Tectonophysics*, **36**, 339-346.

Makris, J. (1977). Geophysical Investigations of the Hellenides, *Hamburger Geophysikalische Einzelschriften* (Ed: Söhne, G. M. L. W.).

Makris, J. (1978a). Some Geophysical Considerations on the Geodynamic Situation in Greece, *Tectonophysics*, **46**, 251-268.

Makris, J. (1978b). The Crust and Upper Mantle of the Aegean region From Deep Seismic Soundings, *Tectonophysics*, **46**, 269-284.

Makris, J. (1985). Geophysics and Geodynamic Implications for the Evolution of the Hellenides, *Geological Evolution of the Mediterranean Basin* (Eds: D. J. Stanley, F. C. Wezel), 231-248.

Makris, J., Nicolich, R. & Weigel, W. (1986). A Seismic Study of the Western Ionian Sea., *Ann. Geoph.*, **6**, 665-678.

Makris, J. & Stobbe, C. (1984). Physical properties and state of the crust and upper mantle of the eastern Mediterranean Sea deduced from geophysical data. *Marine Geol.*, **55**, 347-363.

References

- Makris, J. & Veis, R. (1977). Crustal structure of the Aegean Sea and the island Evia and Crete, Greece, obtained by refractonal seismic experiments, *J. Geophys.*, **42**, 329-341.
- Makropoulos, k. & Burton, P. (1984). Greek tectonics and seismicity, *Tectonophysics*, **106**, 275-304.
- Maley, T. S. & Johnson, G. L. (1971). Morphology and Structure of the Aegean Sea, *Deep-Sea Res.*, **18**, 109-122.
- Marone, F., van der Meijde, M., van der Lee, S. & Giardini, D. (2003). Joint inversion of local, regional and teleseismic data for crustal thickness in the Eurasia-Africa boundary region, *Geophys. J. Int.*, **154**, 499-514.
- Martin, C. (1988). *Geometric et Cinematique de la Subduction Egeene Structure en Vitesse et en Attenuation Sous le Peleponnese.*, Ph.D, Univ. Joseph Fourier, Grenoble, 261p.
- Mascle, J. & Martin, L. (1990). Shallow structure and recent evolution of the Aegean Sea: A synthesis based on continuous reflection profiles, *Marine Geology*, **94**, 271-299.
- McClusky, S., et al. (2000). GPS constraints on plate motions and deformations in the Eastern Mediterranean: Implications for plate dynamics, *J. Geophys. Res.*, **105**, 5695-5719.
- McKenzie, D. P. (1970). The plate tectonics of the Mediterranean region, *Nature*, **226**, 239-243.

References

- McKenzie, D. P. (1972). Active tectonics of the Mediterranean region, *Geophys. J. R. astr. Soc.*, **30**, 109-185.
- McKenzie, D. P. (1978). Active tectonics of the Alpine-Himalayan belt: the Aegean Sea and surrounding regions, *Geophys. J. R. astr. Soc.*, **55**, 217-254.
- Meijer, P. T. & Wortel, M. J. R. (1997). Present-day dynamics of the Aegean region: A model analysis of the horizontal pattern of stress and deformation, *Tectonics*, **16**, 879-895.
- Melis, N. S., Brooks, M. & Pearce, R. (1989). A Microearthquake Study in the Gulf of Pataras Region, Western Greece, and its Seismotectonic Interpretation., *Geophys. J. Int.*, **98**, 595-524.
- Mercier, J. (1981). Extensional-compressional tectonics associated with the Aegean Arc: comparison with the Andean Cordillera of south Peru-north Bolivia, *Phil. Trans. R. Soc. Lond.*, **A300**, 337-355.
- Mercier, J. L., Carey, E., Philip, H. & Sorel, D. (1976). La Neotectonique Plio-Quaternaire de l'Arc Egeen Externe et la mer Egee et ses Relations Avec la Seismicite., *Bulletin de la Societe Geologique de France*, **7**, XVIII, 355-372.
- Mercier, J. L., Carey, E., Philip, H. & Sorel, D. (1977). La Neotectonique Plio-Quaternaire de l'arc Egeen Externe et de la mer Egee et ses Relations Avec la Sismicite, *Bull. Soc. géol. Fr.*, **18**, 159-176.
- Mercier, J., Sorel, D., Vergely, P. & Simeakis, K. (1989). Extensional tectonic regimes in the Aegean basins during the Cenozoic, *Basin research*, **2**, 49-71.

References

- Mueller, S. & Kahle, H.-G. (1993). Crust-Mantle Evolution, Structure and Dynamics of the Mediterranean-Alpine Region, *Geodynamic Series*, **23**, 249-298.
- Mueller, S., Kahle, H.-G. & Barka, A. A. (1997). Plate Tectonic Situation in the Anatolian-Aegean Region, *ATNAMPP*, 13-28.
- Myriantthis, M. L. (1984). Graben Formation and Associated Seismicity in the Gulf of Korinth (Central Greece), *Geological Evolution of the Eastern Mediterranean* (Ed:), 701-707.
- Oral, M. B., Reilinger, R. E., Toksöz, M. N., King, R. W., Barka, A. A. & Kinik, I. (1995). Coherent Plate Motions in the Eastern Mediterranean Continental Collision Zone, *Eos, Trans. AGU*, **76**, 2, 9-11.
- Owens, T. J., Zandt, G. & Taylor, S. R. (1984). Seismic evidence for an ancient rift beneath the Cumberland Plateau, Tennessee: A detailed analysis of broadband teleseismic P waveforms. *J. Geophys. Res.*, **89**, 7783-7795.
- Panagiotopoulos, D. G. & Papazachos, B. C. (1985). Travel times of Pn waves in the Aegean and surrounding area, *Geophys. J. R. astr. Soc.*, **80**, 165-176.
- Papazachos, B. C. (1969). Phase velocities of Rayleigh waves in the southeastern Europe and eastern Mediterranean Sea, *Pure Appl. Geophys.*, **75**, 47-55.
- Papazachos, B. C. (1973). Distribution of Seismic Foci in the Mediterranean and Surrounding Area and its Tectonic Implication, *Geophys. J. R. Astron. Soc.*, **33**, 421-430.

References

- Papazachos, B. C. (1990). Seismicity of the Aegean and surrounding area, *Tectonophysics*, **178**, 287-308.
- Papazachos, B. C. & Comninakis, P. E. (1969). Geophysical features of the Greek Island arc and eastern Mediterranean ridge, *C. R. Seances Conf. Reunie Madrid*, **16**, 74-75.
- Papazachos, B. C. & Comninakis, P. E. (1971). Geophysical and tectonic features of the Aegean arc, *J. Geophys. Res.*, **76**, 8517-8533.
- Papazachos, B. C., Karakostas, V. G., Papazachos, C. B. & Scordilis, E. M. (2000). The geometry of the Wadati-Benioff zone and lithospheric kinematics in the Hellenic arc, *Tectonophysics*, **319**, 275-300.
- Papazachos, C. B. (1994). Structure of the Crust and Upper Mantle in SE Europe by Inversion of Seismic and Gravimetric Data (in Greek)., Ph.D, Thesis, Univ. of Thessaloniki, Thessaloniki, Greece, 208pp.
- Papazachos, C. B. (1998). Crustal and upper mantle P and S velocity structure of the Serbomacedonian massif (Northern Greece), *Geophys. J. Lett.*, **134**, 25-39.
- Papazachos, C. B. (1999). Seismological and GPS evidence for the Aegean Anatolia interaction, *Geophys. Res. Lett.*, **17**, 2653-2656.
- Papazachos, C. B., Hatzidimitriou, P. M., Panagiotopoulos, D. G. & Tsokas, G. N. (1995). Tomography of the crust and upper mantle in southeast Europe, *J. Geophys. Res.*, **100**, 12405-12422.

References

- Papazachos, C. & Kirtazi, A. (1996). A detailed study of the active crustal deformation in the Aegean and surrounding area, *Tectonophysics*, **253**, 129-153.
- Papazachos, C. B. and Nolet, G. (1997). P and S deep velocity structure of the Hellenic area obtained by robust nonlinear inversion of travel times, *J. Geophys. Res.*, **102**, 8349-8367.
- Papazachos, C. B. & Scordilis, E. M. (1998). Crustal structure of the Rhodope and surrounding area obtained by non-linear inversion of P and S travel times and its tectonic implications, *Acta Vulcanologica*, **10**(2), 339-345.
- Payo, G. (1967). Crustal structure of the Mediterranean Sea by surface waves, I, Group velocity, *Bull. Seismol. Soc. Am.*, **57**, 151-172.
- Payo, G. (1969). Crustal structure of the Mediterranean Sea by surface waves, II, Phase velocity and travel time, *Bull. Seismol. Soc. Am.*, **59**, 23-42.
- Reilinger, R., McClusky, S. C., Oral, M. B., King, R. W. & Toksoz, M. N. (1997). Global Positioning System measurements of present-day crustal movements in the Arabia-Africa-Eurasia plate collision zone, *J. Geophys. Res.*, **102**, 9983-9999.
- Rigo, A., Lyon-Caen, H., Armijo, R., Deschamps, A., Hatzfeld, D., Makropoulos, K., Papadimitriou, E. & Kassaras, I. (1995). A Microseismic Study in the Western Part of the Gulf of Corinth (Greece): Implications for Large Scale Normal faulting Mechanisms., *Geophys. J. Int.*, **126**, 663-688.
- Roberts, S. C. & Jackson, J. A. (1991). Active Normal Faulting in Central Greece: An Overview., *The Geometry of Normal Faults* (Eds: A. M. Roberts, G. Yielding and B. Freeman) Spec Publ. Geol. Soc. Lond, Blackwell Scientific Publications, Oxford, **56**, 125-142.

References

Ryan, W. B. F. & Hsu, K. et al. (1973). Mediterranean Ridge, Levantine Sea - Site 130., Initial Reports of the Deep Sea Drilling Project (Eds: W. B. F. Ryan et al.), **3**, 355-382.

Ryan, W. B. F., Stanley, D. J., Hersey, J. B., Fahlquist, D. A. & Allan, T. D. (1969). The Tectonics and Geology of the Mediterranean Sea, *The Sea* (Ed: A. E. Maxwell), 387-492.

Sengör, A. M. C., Görür, N. & Saroglu, F. (1985). Strike-Slip faulting and related Basin Formation in Zones of Tectonic Escape: Turkey as a Case Study, *Soc. Econ. Paleont. Min. Spec. Pub.*, **37**, 227-264.

Sengör, A. M. C. (1987). Cross-Faults and Differential Stretching of hanging Walls in Regions of Low-Angle Normal Faulting: Examples from Western Turkey, *Tectonics*, **28**, 575-589.

Saunders, P., Priestley, K. & Taymaz, T. (1998), Variations in the crustal structure beneath western Turkey, *Geophys. J. Int.*, **134**, 373-389.

Shanov, S., Spassov, E. & Georgiev, T. (1992). Evidence for the existence of a paleosubduction zone beneath the Rhodopean massif (Central Balkans), *Tectonophysics*, **206**, 307-314.

Simsek, S. (1997). Geothermal Potential in Northwestern Turkey, *Active Tectonics of Northwestern Anatolia-The Marmara Poly-Project* (Ed: C.Schindler, M. Pfister), 111-123.

References

- Sorel, D., Mercier, J. L., Keraudren, B. & Cushing, M. (1988). Le rôle de la traction de la lithosphère subductée dans l'évolution géodynamique plio-plistocène de l'arc grec: mouvements verticaux alternés et variations du régime tectonique, *C. R. Acad. Sci. Paris*, **307**, 1981-1986.
- Sonder, L. & England, P. (1989), Effects of a Temperature-Dependent Rheology on Large-Scale Continental Extension, *J. Geophys. Res.*, **94**, 7603-7619.
- Spakman, W. (1985). A Tomographic Image of the Upper Mantle in the Eurasian - African - Arabian Collision Zone., *Eos, Trans.*
- Spakman, W. (1986). Subduction beneath Eurasia in connection with the Mesozoic Tethys, *Geol. Mijnbouw.*, **65**, 145-153.
- Spakman, W., Van der Lee, S. & Van der Hilst, R. D. (1993). Travel time tomography of the European-Mediterranean mantle down to 1400 km, *Phys. Earth. Planet. Inter.*, **79**, 3-74.
- Spakman, W., Wortel, M. J. R. & Vlaar, N. S. (1988). The Hellenic subduction zone: a tomographic image and its geodynamical implications, *Geophys. Res. Lett.*, **15**, 60-63.
- Taymaz, T., Jackson, J. A. & McKenzie, D. (1991). Active Tectonics of the North and Central Aegean Sea, *Geophys. J. Int.*, **106**, 433-490.
- Tiberi, C., et al. (2000). Crustal and upper mantle structure beneath the Corinth rift (Greece) from a teleseismic tomography study, *J. geophys. Res.*, **105**, 28159-28172.
- Tiberi, C., Diament, M., Lyon-Caen, H. & King, T. (2001). Moho topography beneath the Corinth Rift area (Greece) from inversion of gravity data, *Geophys. J. Int.*, **145**, 797-808.

References

Tirel, C., Gueydan, F., Tiberi, C., Brun, J. -P. (2004). Aegean crustal thickness inferred from gravity inversion Geodynamical implications, *Earth Planet. Sci. Let.*, **228**, 267-280.

Tsokas, G. N. and Hansen, R. O. (1997). Study of the crustal thickness and subducting lithosphere in Greece from Gravity data, *J. geophys. Res.*, **102**, 20585-20597.

van der Meijde, M., van der Lee, S. & Giardini, D. (2003). Crustal structure beneath broad-band seismic stations in the Mediterranean region, *Geophys. J. Int.*, **152**, 729-739.

Vigner, A. (2002). Images sismiques par reflexions verticale et grand-angle de la croûte en contexte extensif, Les Cyclades et le Fosse Nord-Egeen, These de l' Institut Physique du Globe de paris, pp. 269.

Vogt, P. R. & Higgs, R. H. (1969). An Aeromagnetic Survey of the Eastern Mediterranean Sea and Its Interpretation, *Earth Planet. Sci. L*, **5**, 439-448

Wdowinski, S., O' Connell, R. J. & England, Ph. (1989). A continuum Model of Continental Deformation Above Subduction Zones: Application to the Andes and the Aegean, *J. Geophys. Res.*, **94**, 10331-10346.

Westaway, R. (1994b). Evidence for dynamic coupling of surface processes with isostatic compensation in the lower crust during active extension of western Turkey, *J. Geophys. Res.*, **99**, 20,203-20.,204.

Woodside, J. M. & Bowin, C. (1970). Gravity Anomalies and Inferred Crustal Structure in the Eastern Mediterranean Sea., *Geol. Soc. Am. Bull.*, **81**, 1107-1122.

References

- Wortel, M. J. R., Goes, S. D. B. & Spakman, W. (1990). Structure and seismicity of the Aegean subduction zone, *Terra Nova*, **2**, 554-562.
- Yuan, X. and 21 authors. (2000). New constraints on subduction and collision processes in the Central Andes from P-to-S converted seismic phases, *Nature*, **408**, 958-961.
- Yuan, X., Sobolev, S. V. & Kind, R. (2002). Moho topography in the central Andes and its geodynamic implication, *Earth Planet. Sci. Let.*, **199**, 389-402.
- Zandt, G. & Ammon, C. J. (1995). Continental crust composition constrained by measurements of crustal Poisson's ratio, *Nature*, **374**, 152-154.
- Zhu, H. & Kanamori, H. (2000) Li, X., Kind, R., Yuan, X., Wölbern, I. and Hanka, W., 2004. Rejuvenation of the Lithosphere by the Hawaiian plume. *Nature No. 427*, 827 – 829.0). Moho depth variation in southern California from teleseismic receiver functions, *J. Geophys. Res.* **105**, 2969-2980.

References