

Ph.D. Dissertation: Thermodynamics and thermoelasticity of simple cubic oxides under lower mantle pressure and temperature, University of California, Berkeley, (advisor M.S.T. Bukowinski), 1989

Refereed Journal Articles

1. **Agnon A.** & M.S.T. Bukowinski, 1988. High pressure shear moduli - a many-body model for oxides. *Geophys. Res. Lett.*, 15, 209-212
2. **Agnon A.** & M.S.T. Bukowinski, (1990a). Thermodynamic properties of a many-body model for oxides. *Phys. Rev. B* 41, 7755-7766
3. **Agnon A.** & M.S.T. Bukowinski, (1990b). δs in high pressure and $d \ln V_s / d \ln V_p$ in the lower mantle, *Geophys. Res. Lett.* 17., 1149-1152
4. **Agnon A.**, 1991, Reply to "Comment on 'Thermodynamic and elastic properties of a many-body model for simple oxides' ", *Phys. Rev. B* 44, 7108-7110
5. **Agnon A.** & A. Eidelman, 1991, Lithospheric break-up in three-dimensions: Necking of a work hardening plastic plate. *Jour. Geophys. Res.*, 96, 20189-20194
6. Weinberger R., **Agnon**, H. Ron & Z. Garfunkel, 1995, Rotation about an inclined axis: three-dimensional matrices for reconstructing paleomagnetic and structural data, *Jour. Struct. Geol.* 7, 777-782
7. Marco S. & **Agnon**, 1995, Prehistoric earthquake deformations near Massada, the Dead Sea graben, *Geology*, 23, 695-698
8. **Agnon A.** & Z. Reches, 1995, Frictional rheology: hardening by rotation of active normal faults. *Tectonophys.*, 247, 239-254
9. **Agnon A.** & V. Lyakhovsky, 1995, Oceanic topography and heatflow: Indications for a silent discharge of cold rock into the convecting earth, *Geophys. Res. Lett.*, 22, 1273-1276
10. Marco, S., Stein, M., **Agnon**, A., Ron, H., 1996. Long term earthquake clustering: a 50,000 year paleoseismic record in the Dead Sea Graben, *Jour. Geophys. Res.* 101, 6179-6192
11. Marco, S., **Agnon**, A., Ellenblum, R., Eidelman, A., Basson, U., Boaz, A., 1997. 817-year-old walls offset sinistrally 2.1 m by the Dead Sea Transform, Israel, *Jour. Geodynamics*, 24, 11-20
12. Weinberger, R., **Agnon**, A., Ron, H., 1997. Paleomagnetic reconstruction of the structure of Mt. Sedom, Dead Sea rift, *Jour. Geophys Res.*, 102, [B3], 5173-5192
13. Lyakhovsky, V., Ben-Zion, Y., **Agnon**, A., 1997. Distributed damage, faulting, and friction, *Jour. Geophys. Res.*, 102 (12B) 27635-27649
14. Abelson, A., **Agnon**, A., 1997. Mechanics of ridge segmentation and oblique spreading, *Earth Planet. Sci. Lett.*, 148, 405-421
15. Meriaux C., **Agnon**, A., Lister, J., 1998. The thermal signature of subducted slabs above the core mantle boundary, *Earth Planet. Sci. Lett.*, 160, 551-562
16. Thomas, C., Weber, M., **Agnon**, A., Hofstetter, A., 1998. Low velocity lamelle in D", *Geophys. Res. Lett.*, 25, 2885-2888
17. Ellenblum R., S. Marco A. **Agnon**, A., & A. Boas, 1998. A Crusader castle torn apart by the 1202 Earthquake, *Geology*, 26, 303-306
18. Meriaux C., J. Lister V. Lyakhovsky **Agnon**, A., 1999. Dyke propagation with distributed damage of the host rock, *Earth Planet. Sci. Lett.*, 165, 177-185
19. Lioubashevski, O., Hamiel Y., **Agnon** A., Reches, Z., Fineberg, J., 1999. Oscillons and solitary waves in a vertically vibrated colloidal suspension, *Phys. Rev. Lett.*, 83, 3190-3193
20. Ben-Zion, Y., Damen K., Lyakhovsky, V., Ertas, D., **Agnon** A., 1999. Spontaneous mode switching of earthquakes, *Earth Planet. Sci. Lett.*, 172/1-2, pp. 11-21
21. Weinberger, R., Lyakhovsky, V., Baer, G., **Agnon** A., 2000. Damage zone around en-echelon dike segments in porous sandstone, *J. Geophys. Res.*, 105, 3115-3133
22. Stein M., **Agnon** A., Starinsky, A., Katz, A., Raab, M., Spiro, B., Zak., I., 2000. The impact of brine-rock reaction during marine evaporite formation on the isotopic Sr record in the oceans: Evidence from Mt. Sedom, Israel, *Geochem. Cosmochem. Acta*, 64, 2039-2053
23. Ziv, A., Rubin, A., **Agnon** A., 2000. The stability of dikes intruding preexisting Shear fractures, *J. Geophys. Res.* 105, 5947-5961
24. Ken-Tor, R., **Agnon** A., Enzel, Y., Marco, S., Negendank, J.F.W., Stein, M., 2001. High resolution geological record of historic earthquakes in the Dead Sea Basin, *J. Geophys. Res.*, 106, 2221-2234

25. Lyakhovsky, V., Ben-Zion, Y., **Agnon A.**, 2001. Fault evolution and seismicity patterns in a rheologically layered halfspace, *J. Geophys. Res.*, 106, 4103-4120
26. Abelson, A., Baer, G., **Agnon A.**, 2001. Evidence from the Gabbro of Troodos ophiolite, for lateral magma transport along an oceanic slow spreading axis, *Nature*, 404
27. Bachrach, R., Nur, A., **Agnon A.**, 2001. Liquefaction and dynamic poroelasticity in soft sediments, *J. Geophys. Res.* 106, 13515-13526
28. Ken-Tor R, Stein M., Enzel Y., **Agnon A.**, Marco S., Negendank J.F.W., 2001. Precision of calibrated radiocarbon ages of historic earthquakes in the Dead Sea Basin *Radiocarbon* 43: 1371-1382
29. Abelson M., **Agnon A.**, 2001. Hotspot activity and plume pulses recorded by geometry of spreading axes *Earth Planet. Sci. Lett.*, 189 (1-2): 31-47
30. Abelson, A., Baer, G., **Agnon A.**, 2002. Fossil ridge-transform intersection in the Troodos ophiolite: New perspectives from rock magnetism in the gabbro suite and fracture mechanics analysis, *Geochem. Geophys. Geosys.*, 3, U1-U17
31. Bartov Y, Stein M., Enzel Y., **Agnon, A.**, Reches, Z., 2002. Lake levels and sequence stratigraphy of Lake Lisan, the late Pleistocene precursor of the Dead Sea, *Quaternary Res.*, 57, 9-21
32. Marco S., Weinberger R, **Agnon A.**, 2002. Radial clastic dykes formed by a salt diapir in the Dead Sea Rift, Israel, *Terra Nova* 14, 288-294
33. Sagy, A., Reches, Z., **Agnon, A.**, 2003. Margin architecture of a pull apart basin in 3D: faults, flexures, and joints along the Dead Sea basin, *Tectonics*, 22: 1004
34. Haberland C., **Agnon, A.**, El-Kelani, R., Maercklin, N., Qabbani, I., Rumpker, G., Ryberg, T., Scherbaum, F., Weber M., 2003. Modeling of seismic guided waves at the Dead Sea Transform, *Jour. Geophys. Res.*, 108, 2342
35. Shaked, Y., Agnon, A., Lazar, B., Marco, S., Avner, U., Stein, M., 2004. Large earthquakes kill coral reefs at the north-west Gulf of Aqaba, *Terra Nova*, 16: 133-138
36. Migowski, C., Agnon, A., Bookman, R., Negendank, J.F.W., Stein, M., 2004. Recurrence pattern of Holocene earthquakes along the Dead Sea transform revealed by varve-counting and radiocarbon dating of lacustrine sediments, *Earth Planet. Sci. Lett.*, 222 (1): 301-314
37. Bookman, R., Enzel, Y., Agnon, A., Stein M., 2004. Late Holocene lake levels of the Dead Sea, *Geol. Soc. Am. Bull.*, 116: 555-571
38. Weber, M; Ayyash, KA; Abueladas, A; et al., 2004. The crustal structure of the Dead Sea Transform, *Geophys. Jour. Int.*, 156: 655-681
39. Hamiel, Y., Lyakhovsky, V., Agnon, A., 2004. Coupled evolution of damage and porosity in poroelastic media: theory and applications to deformation of porous rocks, *Geophys. Jour. Int.*, 156 (3): 701-713
40. Shaked Y, Lazar B, Marco S, Stein, M., Tchernov, D., Agnon, A., 2005. Evolution of fringing reefs: space and time constraints from the Gulf of Aqaba Coral Reefs 24: 165-172
41. Kagan, E., Bar-Matthews, M., Ayalon, A., Agnon, A., 2005. Dating large and infrequent earthquakes using damaged cave deposits, *Geology*, 33:251-264
42. Marco, S., Rockwell, T., Agnon, A., Heimann, A., Frieslander, U., 2005. Late Holocene slip of the Dead Sea Transform revealed in 3D palaeoseismic trenches on the Jordan Gorge Fault, *Earth Planet. Sci. Lett.*, 234: 189-205
43. Lyakhovsky, V., Ben-Zion, Y., Agnon, A., 2005. A viscoelastic damage rheology, and rate- and state-dependent friction, *Geophys. Jour. Int.*, 161: 179-190
44. Hamiel, Y.; Lyakhovsky, V.; Agnon, A., 2005. Poroelastic damage rheology: Dilation, compaction, and failure of rocks, *Geochem. Geophys. Geosyst.*, 6: Q1008
45. Hazan, N; Stein, M; Agnon, A; et al., 2005. The late quaternary limnological history of Lake Kinneret (Sea of Galilee), Israel, *Quatern. Res.*, 63: 60-77
46. Heifetz, E., Agnon, A., Marco, S., 2005. Soft sediment deformation by Kelvin-Helmholtz instability: A case from Dead Sea earthquakes, *Earth Planet. Sci. Lett.*, 236: 497-504
47. Marco, S., **Agnon, A.**, 2005. Repeated earthquake faulting revealed by high-resolution stratigraphy. *Tectonophysics*, 408, 101-112
48. Hamiel, Y., Lyakhovsky, V., Agnon, A., 2005. Rock dilation, nonlinear deformation, and pore pressure change under shear, *Earth Planet. Sci. Lett.*, 237, 577-589

49. Matmon, A., Shaked, Y., Agnon, A., Porat, N., Enzel, Y., Finkel R., Lifton, N., and Boarretto, E., 2005. Lessons to exposure age dating from constraining the time of earthquake induced rockfalls along the margins of the Dead Sea fault system, southern Israel, *Earth Planet. Sci. Lett.*, 240, 803-817
50. Shtivelman, V., Marco, S., Reshef, M., **Agnon, A.**, Hamiel, Y., 2005. Using trapped waves for mapping shallow fault zones, *Near Surface Geophys.*, 3, 95-101
51. Granot, R., Abelson, M., Ron, H., **Agnon, A.**, 2006. The oceanic crust in 3D: Paleomagnetic reconstruction in the Troodos ophiolite gabbro, *Earth Planet. Sci. Lett.*, 251, 280-292
52. Migowski, C., Stein, M., Prasad, S., Negendank, J.F.W., **Agnon, A.**, 2006. Holocene climate variability and cultural evolution in the Near East from the Dead Sea sedimentary record, *Quaternary Res.*, 66, 421-431
53. Baer, G., Aharon, L., Heimann, A., Shaliv, G., **Agnon, A.**, 2006. The Nahal Tavor vent: interplay of Miocene tectonics, dikes, and volcanism in the Lower Galilee, Israel, *Israel Journal of Earth Sciences*, 55, 1-16
54. Bartov, Y., **Agnon, A.**, Enzel, Y., Stein, M., 2006. Late Quaternary faulting and subsidence in the central Dead Sea basin, *Israel J. Earth Sci.*, 55, 17-31
55. Haberland, Ch., Maercklin, N., Kesten, D., Ryberg, T., Janssen, Ch., **Agnon, A.**, Weber, M., Schulze, A., Qabbani, I., El-Kelani, R., 2007. Shallow architecture of the Wadi Araba fault (Dead Sea Transform) from high-resolution seismic investigations, *Tectonophysics*, 432, 37-50
56. Ron H., Nowaczyk N. R., Frank U., Schwab M. J., Naumann R., Striewski B. and **Agnon A.**, 2007. Greigite detected as dominating remanence carrier in Late Pleistocene sediments, Lisan formation, from Lake Kinneret (Sea of Galilee), *Israel. Geophys. Jour. Int.*, 170, 117-131
57. Kesten, D., Weber, M., Haberland, Ch., Janssen, Ch., **Agnon, A.**, Bartov, Y., Rabba, I., The DESERT Group, 2008. Combining satellite and seismic images to analyse the shallow structure of the Dead Sea Transform near the DESERT transect, *Int J Earth Sci (Geol Rundsch)*, 97, 153-169
58. Abelson, M., Almogi, A., **Agnon, A.**, 2008. Control of the Iceland plume on the opening of the North Atlantic and on "greenhouse-icehouse" climate transition, *Earth Planet. Sci. Lett.*, 265, 33-48
59. Ben-Yosef, E., Ron, H., Tauxe, L., Agnon, A., Genevey, A., Levy, T.E., Avner, U., Najjer, M., 2008. Application of copper slag in geomagnetic archaeointensity research, *J. Geophys. Res.*, 113, B08101
60. Makovsky, Y., Wunch, A., Ariely, R., Shaked, Y., Rivlin, A., Shemesh, A., Ben-Avraham, Z., **Agnon, A.**, 2008. Quaternary transform kinematics constrained by sequence stratigraphy and submerged coastline features: The Gulf of Aqaba, *Earth Planet. Sci. Lett.*, 271, 109-122
61. Ben-Yosef, E., Tauxe, L., Ron, H., **Agnon, A.**, Avner, U., Najjar, M., Levy, T.E., 2008. A New Approach for Geomagnetic Archaeointensity Research: Insights on Ancient Metallurgy in the Southern Levant, *J. Archaeol. Sci.*, 35, 2863-2879
62. Le Beon, M., Klinger, Y., Amrat, A. Q., **Agnon, A.**, Dorbath, L. , Baer, G., Ruegg, J-C., Charade, O., Mayyas, O., 2008. Slip rate and locking depth from GPS profiles across the southern Dead Sea Transform, *J. Geophys. Res.*, 113, B11403, doi:10.1029/2007JB005280
63. Neumann, F.H. , Kagan, E.J. , Stein, M., **Agnon, A.**, 2009. Assessment of the effect of earthquake activity on regional vegetation — High-resolution pollen study of the Ein Feshka section, Holocene Dead Sea, *Rev. Palaeobot. Palynol.*, 155, 42-51
64. Weber, M., Abu-Ayyash, K., Abueladas, A., **Agnon, A.**, and 65 others (DESERT Team, alphabetically ordered), 2009. Anatomy of the Dead Sea transform from lithospheric to microscopic scale, *Rev. Geophys.*, 47, 155, 42-51
65. Katz, A., **Agnon, A.**, Marco, S., 2009. Earthquake-induced barium anomalies in the Lisan Formation, Dead Sea Rift valley, Israel, *Earth Planet. Sci. Lett.*, doi:10.1016/j.epsl.2009.06.031
66. Matmon, A., Katz, O., Ron, H., Shaar, R., Porat, N., **Agnon, A.**, 2009. Timing of relay ramp growth and normal fault linkage, Upper Galilee, Northern Israel, *Tectonics*, 29, TC2016
67. Sha'ar, R., Ron, H., Tauxe, L., Kessel, R., Agnon, A., Ben-Yosef, E., Feinberg, J.M., 2010. Testing the accuracy of absolute intensity estimates of the ancient geomagnetic field using copper slag material, *Earth Planet. Sci. Lett.*, 290, 201-213
68. Ebert, Y., Kessel, R., Shaar, R., **Agnon, A.**, Ron, H., 2010. Petrology and rock magnetism of the gabbro of Troodos ophiolite, *Phys. Earth Planet. Interiors*, 183, 413-220, doi:10.1016/j.pepi.2010.09.006
69. Kagan, E., **Agnon, A.**, Stein, M., Bronk Ramsey, Ch., 2010. Paleo-earthquakes as anchor points in Bayesian radiocarbon deposition models: a case study from the Dead Sea, *Radiocarbon*, in press

70. Braun, Y., Kagan, E., Bar-Matthews, M., Ayalon, A., **Agnon, A.**, 2010. Dating speleoseismites near the Dead Sea transform and the Carmel fault: clues to coupling of a plate boundary and its branch, *Israel J. Earth Sci.*, 58: 257–273 Spec. Vol., eds. A. Agnon, R. Amit, A. Michetti, S. Hough. DOI: 10.1560/IJES.58.3-4.257
71. Shaked, Y., Lazar, B., Marco, S., Stein, M., **Agnon, A.**, 2010. Late Holocene events that shaped the shoreline at the northern Gulf of Aqaba as recorded by a buried reef, *Israel J. Earth Sci.*, Spec. Vol, eds. A. Agnon, R. Amit, A. Michetti, S. Hough, 58: 355–368 DOI: 10.1560/IJES.58.3–4.355
72. Shaar, R., Ben-Yosef, E., Ron, H., Tauxe, L., Agnon, A., Kessel, R., 2011. Geomagnetic field intensity: How high can it get? How fast can it change? Constraints from Iron Age copper slag, *Earth Planet. Sci. Lett.*, 301, 297-306
73. Shaar, R., Ron, H., Tauxe, L., Kessel, R., Agnon, A., 2011. Paleomagnetic field intensity derived from non-SD: Testing the Thellier IZZI technique on MD slag and a new bootstrap procedure, *Earth Planet. Sci. Lett.*, 310: 213-224, (<http://www.sciencedirect.com/science/article/pii/S0012821X11004882>)
74. Kagan, E., Stein, M., Agnon, A., Neumann, F., 2011. Intrabasin paleoearthquake and quiescence correlation of the late Holocene Dead Sea. *J. Geophys. Res.* 116: B04311. DOI: 10.1029/2010JB007452
75. Deves, M., King, G.C.P., Klinger, Y., Agnon, 2011. Localised and distributed deformation in the lithosphere: Modelling the Dead Sea region in 3 dimensions. *Earth Planet. Sci. Lett.* 308: 172-184. DOI: 10.1016/j.epsl.2011.05.044
76. Granot, R., Abelson, M., Ron, H., Lusk, M.W., Agnon, A., 2011. Direct evidence for dynamic magma supply fossilized in the lower oceanic crust of the Troodos ophiolite. *Geophys. Res. Lett.* 38:L16311. DOI: 10.1029/2011GL048220
77. Neugebauer, I., Brauer, A., Schwab, M., Waldman, N.D., Enzel, Y., Kitagawa, H., Torfstein, A., Frank, U., Dukski, P., Agnon, A., Ariztegui, D., Ben-Avraham, Z., Goldstein, S., Stein, M., DSDDP, 2014. Lithology of the long sediment record recovered by the ICDP Dead Sea Deep Drilling Project (DSDDP). *Quatern. Sci. Rev.* 102: 149-165.
78. Masson F., Hamiel, Y., Agnon, A., Klinger, Y., Deprez, A. (2015). Variable behaviour of the Dead Sea Fault along the southern Arava segment from GPS measurements. *Comptes Rendu Geosciences* 347: 161-169.
79. Wechsler, N., Rockwell, T., Klinger, Y., Stepancikova, P., Kanari, M., Marco, S., Agnon, A., 2014. A Paleoseismic Record of Earthquakes for the Dead Sea Transform Fault between the First and Seventh Centuries CE: Nonperiodic Behavior of a Plate Boundary Fault. *Bull. Seism. Soc. Amer.* 104: 1329-1347. DOI: 10.1785/0120130304
80. Ellenblum, R., Marco, S., Kool, R., Davidovitch, U., Porat, R., Agnon, A., 2015. Archaeological record of earthquake ruptures in Tell Ateret, the Dead Sea Fault, *Tectonics*, 34, doi:10.1002/2014TC003815.
81. Langgut, D., Yannaib, E., Taxela, I, Agnon, A., Marco, S., 2015. Resolving a historical earthquake date at Tel Yavneh (central Israel) using pollen seasonality, *Palynology* <http://dx.doi.org/10.1080/01916122.2015.1035405>
82. Neugebauer, I., Schwab, M., Waldman, N.D., Tjallingii, R., Frank, U., Hadzhiivanova, E. Naumann, R., Taha, N., Agnon, A., Enzel, Y., Brauer, A., 2015. Hydroclimatic variability in the Levant during the early last glacial (~117-75 ka) derived from micro-facies analyses of deep Dead Sea sediments. Submitted to *Climate of the Past Discussions*, 12(1), pp.75-90..
83. Avnaim-Katav, S., Agnon, A., Sivan, D. and Almogi-Labin, A., 2016. Calcareous assemblages of the southeastern Mediterranean low-tide estuaries—Seasonal dynamics and paleo-environmental implications. *Journal of Sea Research*, 108, pp.30-49.
84. Goodman-Tchernov, B., Katz, T., Shaked, Y., Qupty, N., Kanari, M., Niemi, T. and Agnon, A., 2016. Offshore Evidence for an Undocumented Tsunami Event in the ‘Low Risk’ Gulf of Aqaba-Eilat, Northern Red Sea. *PLoS one*, 11(1), p.e0145802.
85. Shaar, R., Tauxe, L., Ron, H., Ebert, Y., Zuckerman, S., Finkelstein, I. and Agnon, A., 2016. Large geomagnetic field anomalies revealed in Bronze to Iron Age archeomagnetic data from Tel Megiddo and Tel Hazor, Israel. *Earth and Planetary Science Letters*, 442, pp.173-185.
86. Kottmeier, C., Agnon, A., Al-Halbouni, D., Alpert, P., Corsmeier, U., Dahm, T., Eshel, A., Geyer, S., Haas, M., Holohan, E. and Kalthoff, N., 2016. New perspectives on interdisciplinary earth science at the Dead Sea: The DESERVE project. *Science of the Total Environment*, 544, pp.1045-1058.
87. Haas, M., Agnon, A., Bindi, D., Parolai, S. and Pittore, M., 2016. Data-Driven Seismic-Hazard Models

Prepared for a Seismic Risk Assessment in the Dead Sea Region. Bulletin of the Seismological Society of America, 106(6), pp.2584-2598.

88. Yehudai, M., Lazar, B., Bar, N., Kiro, Y., Agnon, A., Shaked, Y. and Stein, M., 2017. U–Th dating of calcite corals from the Gulf of Aqaba. *Geochimica et Cosmochimica Acta*, 198, pp.285-298.
89. Avnaim-Katav, S., Almogi-Labin, A., Agnon, A., Porat, N. and Sivan, D., 2017. Holocene hydrological events and human induced environmental changes reflected in a southeastern Mediterranean fluvial archive. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 468, pp.263-275.

Chapters in Edited Books

1. Weinberger R., Baer, G., Shamir, G., & **Agnon, A.**, 1995, Deformation bands associated with dyke propagation in porous sandstone, Makhtesh Ramon, Israel, *Physics & Chemistry of Dykes*, ed. G. Baer & A. Heimann, Balkema, pp: 95-112
2. **Agnon A.** & V. Lyakhovsky, 1995, Damage distribution and localization during dyke intrusion, *Physics & Chemistry of Dykes*, ed. G. Baer & A. Heimann, Balkema, pp:65-78
3. **Agnon, A.**, Marco, S., Migowski, C., 2006, Intraclast breccia layers in laminated sequences: Records of paleo-earthquakes, *New Frontiers In Paleoenvironmental Research*, eds. Y. Enzel, A. Agnon, M. Stein, Geol. Soc. Amer. Spec. Paper 401, 195-214
4. Marco, S., Agnon, A., Finkelstein, I., Ussishkin, D., 2006, Megiddo earthquakes, in *Megiddo IV*, ch. 31, pp. 569-575, E. And C. Yass Publications in Archaeology, Tel-Aviv
86. Agnon, A., 2014. Pre-instrumental earthquakes along the Dead Sea transform. Z. Garfunkel, Z. Ben-Avraham, E. Kagan (eds.), *Dead Sea Transform Fault System: Reviews, Modern Approaches in Solid Earth Sciences 6*, Ch. 8, pp. 207-261 DOI 10.1007/978-94-017-8872-4_8, © Springer, Dordrecht

5. Edited Books and Special Issues of Refereed Journals

- Enzel, A. **Agnon**, M. Stein, eds., *New frontiers In Dead Sea paleoenvironmental Research*, Geol. Soc. Amer. Spec. Paper 401, 2006
- **A. Agnon**, ed. *The Jordan Rift: From Cracks to Continents (in honor of N. Schulman)*, *Israel Journal of Earth Sciences*, 55 (1), 2006
- **A. Agnon**, R. Amit, A. Michetti, S. Hough, *The Dead Sea Rift: A Natural Tectonic Laboratory*. *Israel J. Earth. Sci. Special Vol.*, 2010

Professional Publications

- **Agnon, A.**, Weinberger, R., Zak, I., Sneh, A., 2007. The Geological Map of Israel, 1:50,000, Mt. Sdom Quad
- Matmon, A., Katz, O., Siman-Tov, S., **Agnon, A.**, Sha'ar, R., 2008. Geomorphology and tectonics along the Zurim escarpment, *Israel Geol. Soc. Ann Meet, Field-trip guidebook, Nazareth*, 138-104
- **Agnon, A.**, Sagy, A., 2010/2011. The Geological Map of Israel, 1:50,000, Neve Zohar Quad.

Hebrew Publications Israel Geological Society Annual Meetings, Field Trips Guidebook:

- **Agnon, A.**, 1993. The fault escarpment south west of the Dead Sea: From stratigraphy to morphotectonic history, *Arad*, 81-97
- Weinberger, R., **Agnon, A.**, 1993. The structure of the Sedom salt body (results of a structural and paleomagnetic research), *Arad*, 98-111
- Aharon, L., Baer, G., **Agnon, A.**, 1995. The volcanic vent in Nahal Tavor, *Zikhron Ya'aqov*, 21-43
- Ellenblum, R., Marco, S., **Agnon, A.**, 1997. Archaeoseismology (A, B), *Kfar Gil'adi*, 15-30
- Stein, M., Bartov, Y., Kadan, G., Ken-Tor, R., Eyal, Y., Enzel, Y., Marco, S., **Agnon, A.**, 1999. Quaternary sediments in the Dead-Sea basin (Lisan and Ze'elim Fms.): Lacustrine evolution and paleoseismology, *Dead-Sea*, 36-83
- Hazan, N., **Agnon, A.**, Stein, M., Nadel, D., Marco, S., 2002. The history of Kinneret lake during the last 40,000 years: Sedimentary and archaeological evidence, *Ma'agan*, 39-55
- Baer, G., **Agnon, A.**, 2006. Dikes, volcanic eruptions, and fault systems in the lower Galilee, *Bet-Shean*, 89-105
- Torfstein, A., Kagan, E., Stein, M., **Agnon, A.**, 2007. Quaternary paleoseismology and lacustrine evolution in the Dead-Sea Basin – new studies of Amora, Lisan, and Ze'elim Formations, *Neve Zohar*, 105-132
- **Agnon, A.**, Medvedev, B., Politi, M., and others 2009. Seismotectonics of the Northern Valleys based on geological, geophysical, and archaeological evidence, *Kfar Blum*, 38-49