

Dov Avigad

Curriculum vitae (updated 2021)

Professor, Raymond F. Kravis Chair in Geology

Address:

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Academic degrees:

- 1981: B.Sc. Geology. The Hebrew University.
- 1984: M.Sc. Geology. The Hebrew University.
- 1990: Ph.D. Geology. The Hebrew University.

Post-doctoral research:

- 1990: Geological Survey of Israel: mapping and petrology of the Precambrian Roded Block.
- 1990-1992: Laboratoire de Géologie de l'Ecole Normale Supérieure (Paris): High-pressure metamorphism and geodynamics of the Western Alps.

Academic appointments at the Hebrew University:

1992-Lecturer, 1998-Senior Lecturer, 2004-Associate Professor, 2009-Full Professor.

Administrative duties at the Hebrew University:

- 2004 - 2005: Chairman of Geology program
- 2006 - 2010: Committee member HU Authority of Research Students
- 2010 - 2011: Member of IES selection committee
- 2010 - 2011: Head IES Ph.D. selection committee
- 2010 - 2012: Member of HU tenure committee, Faculty of Natural Sciences
- 2012 - 2015: Chairman of Earth Science program

Additional activities (selected):

- 1995 - Organizing committee annual meeting of the Geological Society of Israel (Zichron Yaakov)

- 1997 - 1998: Guest scientist and CNRS research associate at ENS - Paris (Sabbatical)
- 2004 - 2008: Inst. Earth Sciences advising committee
- 2000 - 2010: Editorial board member, Israel Journal of Earth Sciences
- 2005 - 2006 - Guest scientist at CEREGE – Aix en Provence (Sabbatical)
- 2006 - Session organizer and chairperson European Geosciences Union (EGU) Vienna
- 2007- Field leader (with M. Bröcker), pre-Penrose-Conference excursion to the Aegean Sea.
- 2008 - Reviewer of the Earth and Environmental Science program of the Open University
- 2008 - Present: advisor board member, Journal of African Earth Sciences.
- 2008: Vice president, Israel Geological Society.
- 2009 - 2010: President, Israel Geological Society.
- 2008-2009: Chairman of a scientific/referee committee of one of the competitive Israeli research funds (Earth and Environmental Sciences).
- 2010 - Geological Society of America (GSA) Field Forum meeting organizer (with four others).

Awards and distinctions

- 1983-Diker-Shraga memorial prize of the Institute of Earth Sciences for excellence in studies.
- 1985-Peretz Grader memorial prize of the Geological Society of Israel.
- 1990- Chateaubriand post-doctoral Fellowship.
- 1996- "Arc en Ciel" binational program with ENS Paris.
- 1998-"Poste Rouge" CNRS (ENS Paris).
- 2009-2010: President of the Israel Geological Society.
- 2015-Raymond F. Kravis Chair in Geology.
- 2019-Prof. R. Freund memorial award of the Israel Geological Society.

Teaching responsibilities:

- Global Tectonics (3 credit points, 3rd year students, compulsory, taught annually)
- Optical mineralogy (with A. Matthews, 4 credit points, 2nd year students, compulsory, taught annually)
- Precambrian crustal evolution of the ANS in southern Israel – excursion (2 credit points, compulsory for 3rd year geology students, taught annually).
- Precambrian crustal evolution of the ANS in southern Israel – field camp near Eilat (3 days – 3 credit points).
- Orogenic processes (8 days, 5 credit points, excursion in the Western Alps or in the Aegean Islands – 3rd and graduate students, biannual)

Research students:

M.Sc. students

- Ziv, Alon (1996). The Alpine folding on Andros, implications for strain development and the kinematics of the western Cyclades. (co-supervised with Z. Garfunkel). *Currently Professor at TAU.*
- Katz, Oded (1996). Structure and petrology of the Precambrian basement of the SE Roded Block (Elat area, Israel). (co-supervised with A. Matthews and A. Heimann). *Currently Senior Researcher at the GSI.*
- Shaked, Yonatan (1997). A geological study of the Almyropotamos tectonic window (Evia, Greece), (co-supervised with Z. Garfunkel). *Currently at IOI.*
- Lensky, Nadav (1997). Petrology and structure of an Alpine HP-LT terrane - S. Evia. (co-supervised with Z. Garfunkel). *Currently Senior Researcher at the GSI.*
- Kolodner, Keren (1998). High-temperature metamorphism in the eastern Cyclades (co-supervised with A. Matthews). *Currently chief geologist at Geoprospect Ltd.*
- Le Bayonn, Ronan (1998). Alpine deformation and metamorphism at the base of the Dora Maira coesite-bearing terrane (Western Alps, Italy). (DEA a l'ENS (Paris), co-supervised with C. Chopin).
- Rosenbaum, Gideon (1999). Crustal deformation at high-pressure metamorphic conditions (Syros, Greece). (co-supervised with Z. Garfunkel). *Currently Professor, University of Queensland, Australia.*
- Zeffren, Sara (2001). $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology of hangingwall rocks above low-angle detachments (Tinos and Ikaria, Greece). (co-supervised with A. Heimann, Geological Survey).
- Crouvi, Onn (2001). Remote Sensing for lithological mapping, using the Airborne Hyperspectral Scanner DAIS 7915. Example from Timna valley. (with E. Ben-Dor, Tel-Aviv University, and M. Beyth, Geological Survey). *Currently researcher at the GSI.*
- Be'eri-Shlevin (2002). The island of Anaphi (Cyclades): a bridge between the internal and the external Hellenides. (co-supervised with A. Matthews). *Currently Senior researcher at Israel Oceanographic and Limnological Research Ltd.*
- Gerssman, Ronen (2005). Remote sensing mapping (with ground control) of an active rift: Zula bay (Red sea Eritrea). (co-supervised with E. Ben Dor and M. Beyth).
- Morag, Navot (2006). Geochronology and advanced petrology of detritus from Alpine foreland basins, SE France. (co-supervised with Y. Harlavan). *Currently researcher at the GSI.*
- Petranker, Gilad (2011). Zircon U-Pb-Hf of the Neoproterozoic and Cambro-Ordovician sequences from the central Western Taurus: Implications for provenance and North Gondwanan crustal evolution (co-supervised with A. Gerdes). *Currently high-school teacher.*

- Zlatkin, Olga (2011). Evolution of the Menderes basement (Turkey) as revealed by coupled U-Pb-Hf in zircons. *Currently at the Ministry of Energy.*
- Abbo, Avishai (2012). U-Pb-Hf in zircons from the Neoproterozoic and Lower Paleozoic of the Tauride (Turkey). *Currently Minerva post-doctoral fellow at Goethe University Frankfurt.*
- Ben Dor, Yoav (2015). Provenance of the Cambrian siliciclastic sequence in Israel: Isotope geochemistry of heavy Minerals, clays and feldspars (co-supervised with Y. Harlavan). *Currently Ph.D. student at HU.*
- Kedem, Nadav (2018). Origin of the Neogene siliciclastics of the Hazeva Formation (co-supervised with Y. Harlavan).
- Glazer, Adar (2020). The Kyrenia Range in Northern Cyprus: geochronology and petrology of a Neo-Tethys suture in the Eastern Mediterranean. (co-supervised with N. Morag)

Ph.D. students

- Katzir, Yaron (1999). The origin and Alpine metamorphism of ultrabasic rocks in the Cycladic massif. (with Z. Garfunkel and A. Matthews). *Currently Professor at BGU.*
- Kolodner, Keren (2007). The provenance of the siliciclastic section in Israel and Jordan: U-Pb dating of detrital zircons. *Currently chief geologist at Geoprospect Ltd.*
- Morag, Navot (2011). Evolution of the Arabian-Nubian Shield and the provenance of the Paleozoic section in Elat area (southern Israel): new insights from the Hf isotopic composition and U-Pb dating of zircon. *Currently researcher at GSI.*
- Zlatkin, Olga (2017). Peri-Gondwana terranes in the Eastern Mediterranean region. *Currently at the Israel Ministry of Energy).*
- Abbo, Avishai (2020). Crustal evolution of Cadomian terranes and their transition to Gondwana in the East Mediterranean area. *Currently Minerva post-doctoral fellow at Goethe University Frankfurt.*
- Glazer, Adar (in progress). Origin of the Levant Basin Oligocene-Miocene clastic sediments from deep-sea boreholes.

Post-doctoral:

- Sanchez-Gomez, Mario (Ph.D. University of Granada, Spain, 1997). 1998-1999: Miocene exhumation in the Cyclades from radiometric dating and petrology of detrital pebbles in detached sedimentary basins. (with A. Heimann). *Currently Professor at Jaen University, Spain.*
- Teutch, Nadya (Ph.D. Hebrew University). 2007- 2008: Precambrian-Cambrian pedogenesis at the Arabian-Nubian Shield. *Currently Senior researcher at the Israel Geological Survey.*

- Be'eri-Shlevin, Yaron (Ph.D. Ben Gurion University of the Negev 2009). 2011-2013: Lady Davis Fellow. Provenance of Nile sediments in the Levant. *Currently Senior researcher at Israel Oceanographic and Limnological Research Ltd.*
- Morag, Navot (Ph.D. Hebrew University 2011). 2015-2016: Provenance of the Miocene clastic sediments in northern Israel. *Currently researcher at Israel Geological Survey.*
- Leo Milloing (Ph.D. University of Würzburg 2009). 2017: Laser ablation U–Pb dating of regional metamorphic garnet. (with A. Gerdes). *Currently researcher at Goethe University.*
- Shaanan, Uri (Ph.D. University of Queensland 2016). 2018 – 2019: Lady Davis Fellow. Tectonics and sedimentation in the Kyrenia Range of Northern Cyprus with special reference to the Kythrea flysch. *Currently post-doc at Israel Geological Survey.*

Dov Avigad – List of publications (updated April 2021)

Peer reviewed international journals

1. Avigad, D. and Garfunkel, Z., (1989). Low-angle faults underneath and above a blueschist belt, Tinos (Cyclades). *Terra Nova* 1, 182-187.
2. Matthews, A., Reymer, A., Avigad, D., Cochlin, J. and Marko, S., (1989). Pressure and temperatures of Pan-African high-grade metamorphism in the Elat association, NE Sinai. *Israel Journal of Earth Sciences* 38, 1-17.
3. Avigad, D. and Garfunkel Z., (1991). Uplift and exhumation of high-pressure metamorphic rocks: the example of the Cycladic blueschist belt (Aegean Sea). *Tectonophysics*, 188: 357-372.
4. Avigad, D., Matthews, A., Evans, B. and Garfunkel, Z., (1992). Cooling during the exhumation of a blueschist terrain (Sifnos). *European Journal of Mineralogy*, 4, 619-634.
5. Avigad, D., (1992). Exhumation of coesite-bearing rocks in the Dora-Maira massif (Western Alps; Italy). *Geology* 20, 947-950.
6. Avigad, D., Chopin, C., Goffé, B., & Michard, A., (1993). Tectonic model for the evolution of the western Alps. *Geology*, 21, 659-662.
7. Avigad, D., (1993). Tectonic juxtaposition of blueschists and greenschists in Sifnos island - implications for the structure of the Cycladic blueschist belt. *Journal of Structural Geology*, 15, 1459-1469.
8. Avigad, D., & Garfunkel, Z., (1993). The role of extension in the unroofing of the Cycladic blueschist belt. *Bull. Geol. Soc. Greece*, 28, 57-69.
9. Avigad, D., Chopin, C., Goffé, B., & Michard, A., (1994). Tectonic model for the evolution of the western Alps, Reply. *Geology*, 762-763.
10. Avigad, D., (1995). Exhumation of the Dabie Shan ultra-high-pressure rocks and accumulation of the Songpan-Ganzi flysch sequence, central China. *Comment. Geology*, 23, 764-765.

11. Avigad, D., (1996). Precollisional ductile extension in the internal western Alps (Sesia zone, Italy). *Earth & Planetary Science Letters* 137, 175-188.
12. Katzir, Y., Matthews, A., Garfunkel, Z., Schliestedt, M., Avigad, D., (1996). The tectono-metamorphic evolution of a dismembered ophiolite (Tinos, Cyclades, Greece). *Geological Magazine* 133, 237-254.
13. Avigad, D., Garfunkel, Z., Jolivet, L., & Azanon, H.M., (1997). Back-arc extension and denudation of Mediterranean eclogites. *Tectonics* 16, 924-941.
14. Avigad, D., Baer, G., & Heimann, A., (1998). Block rotation and continental extension in the central Aegean Sea: palaeomagnetic and structural evidence from Tinos and Mykonos (Cyclades, Greece). *Earth & Planetary Science Letters* 137, 23-40.
15. Katz, O., Avigad, D., Matthews, A., Heimann, A., (1998). Precambrian metamorphic evolution of the southern Roded block, Elat area. *Israel Journal of Earth Sciences* 47, 93-110.
16. Avigad, D., (1998). High-pressure metamorphism and cooling on SE Naxos (Cyclades, Greece). *European Journal of Mineralogy* 10, 1309-1319.
17. Matthews, A., Lieberman, J., Avigad, D., Garfunkel, Z., (1999). Fluid rock interaction and thermal evolution during thrusting of an Alpine metamorphic complex (Tinos island, Greece). *Contrib. Mineral. Petrol.* 135: 212-224.
18. Katzir, Y., Avigad, D. Matthews, A., Garfunkel, Z., Evans, B.W., (1999). Origin and metamorphism of ultrabasic rocks associated with a subducted passive continental margin, Naxos (Cyclades, Greece). *Journal of Metamorphic Petrology* 17, 301-318.
19. Shaked, Y., Avigad, D., Garfunkel, Z., (2000). Crustal thickening and high-pressure metamorphism in the Almyropotamos window (Evia,). *Geological Magazine* 137, 367-380.
20. Avigad, D., Garfunkel, Z., Jolivet, L., & Azanon, H.M., (2000). Back-arc extension and denudation of Mediterranean eclogites. Reply. *Tectonics* 19: (2) 410-414.
21. Katzir, Y., Avigad, D. Matthews, A., Garfunkel, Z., Evans, B.W., (2000). Origin and P-T evolution of high-pressure ophiolitic melanges in southern Evia (NW Cyclades). *Journal Metamorphic Geology*, 18: (6) 699-718.
22. Maluski, H., Lepvrier, C., Jolivet, L., Carter, A., Roques, D., Beyssac, O., Tang, T.T., Thang N.D., Avigad, D., (2001). Ar-Ar and fission-track ages in the Song Chay Massif: Early Triassic and Cenozoic tectonics in northern Vietnam. *Journal of Asian Earth Sciences*, 19, 233-248.
23. Avigad, D., Ziv, A., and Garfunkel Z., (2001). Ductile and brittle shortening, extension-parallel folds and maintenance of crustal thickness in the central Aegean (Cyclades, Greece). *Tectonics*, 20, 277-287.
24. Jolivet, L., Goffé B., Beyssac, O., Avigad, D., Lepvrier, C., Maluski, H., Thang, TT, (2001). Oligo-Miocene midcrustal shear zone in Indochina. *Tectonics*, 20, 46-57.

25. Sanchez-Gomez, M., Avigad, D., Heimann, H., (2002). Geochronology of clasts in Miocene sedimentary sequences on Mykonos and Paros Islands: implications for back-arc extension in the Aegean Sea. *J. Geol. Soc. London* 159: 45-60.
26. Bogosh, R., Avigad, D., Weissbrod, T., (2002). Geochemistry and tectonic setting of the Late Precambrian Roded quartz-diorite (southern Israel). *J. African Earth Sciences*, 35 (1) 51-60.
27. Rosenbaum, G., Avigad, D., Sanchez-Gomez, M., (2002). Coaxial flattening at deep levels of orogenic belts: evidence from blueschists and eclogites on Syros and Sifnos (Cyclades, Greece). *Journal of Structural Geology* 24 (9) 1451-1462.
28. Beyth, M., Avigad, D., Wetzel, H.U., Matthews, A., Berhe, S.M., (2003). Crustal Exhumation and indications for Snowball Earth in the East African Orogen: North Ethiopia and East Eritrea. *Precambrian Research* 123, 187-201.
29. Avigad, D., Kolodner, K., McWilliams, M., Persing, H., Weissbrod, T., (2003). Origin of northern Gondwana Cambrian sandstone revealed by detrital zircon SHRIMP dating. *Geology* 31, 227-230.
30. Avigad, D., Chopin, C., Le Bayon, R., (2003). Thrusting and extension in the Dora Maira UHP terrane: view from below the coesite-bearing unit. *Journal of Geology* 111, 57-70.
31. Michard, A., Avigad, D., Goffe, B., Chopin, C., (2004). The high-pressure metamorphic front of the south Western Alps. *Schweizerische Miner. Petro. Mitt.* 84/3, 213-235.
32. Vapnik, J. and Avigad, D., (2004). A fluid-inclusion study and P-T conditions of quartz-calcite boudins and vein formation within a low-angle detachment fault in Tinos island (Aegean Sea). *International J. Earth. Sci.* 93, 487-499. 1.
33. Shimron, A.E., and Avigad, D., (2003). The rock assemblage. In E. Black (ed) *The Ma'agan Mikhael Ship: The recovery of a 2400 year-old merchantman*. Israel Exploration Society and the University of Haifa. 153-182.
34. Katz, O., Beyth, M., Miller, N., Stern, R., Avigad, D., Basu, A., and A. Anbar (2004). A Late Neoproterozoic (~630 Ma) high-magnesium andesite suite from southern Israel: implications for the consolidation of Gondwanaland. *Earth and Planetary Science Letters* 218, 475-490.
35. Avigad, D., Sandler, A., Kolodner, K., Stern, RJ, McWilliams, M.O., Miller, N., Beyth, M., (2005). Mass-production of Cambrian quartz-rich sandstone as a consequence of chemical weathering of Pan-African orogens: implications for global environment. *Earth and Planetary Science Letters* 240, 818-826.
36. Jolivet, L., Raimbourg, H., Labrousse, L., Avigad, D., Leroy, Y., Austrheim, H, Andersen, T., (2005). Softening triggered by eclogitisation: the first step toward exhumation during continental subduction. *Earth and Planetary Science Letters* 237, 532-547.
37. Raimbourg, H., Jolivet, L., Labrousse, L., Leroy, Y., and D. Avigad, (2005). Kinematics of syn-eclogite deformation in the Bergen Arcs, Norway, implications for exhumation mechanisms, in

- Deformation mechanisms, rheology and tectonics, vol. Special Publication 243, edited by J.-P.B. D. Gapais, P.R. Cobbold, pp. 175-192, Geol. Soc. London, London.
38. Zeffren, S., Avigad, D., Heimann, H., Gvirtzman, Z., (2005). Age resetting of hanging wall rocks above a low-angle detachment fault on Tinos Island (Aegean Sea): K-Ar, $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology and thermal modeling. *Tectonophysics*, 400, 1-25.
 39. Stern, R.G., Avigad, D., Miller, N.R., Beyth, M., (2006). Geological Society of Africa Presidential Review: Evidence for the Snowball Earth hypothesis in the Arabian-Nubian Shield and the East African orogen. *Journal of African Earth Sciences*, 44, 1-20.
 40. Crouvi, O., Ben-Dor, E., Beyth, M., Avigad, D., Amit, R., (2006). Quantitative mapping of arid alluvial fan surfaces using field spectrometer and hyperspectral remote sensing. *Remote Sensing of Environment* 104, 108-117.
 41. Kolodner, K., Avigad, D., McWilliams, M., Wooden, J., Weissbrod, T., Feinstein, S., (2006). Provenance of north Gondwana Cambrian-Ordovician sandstone: U-Pb SHRIMP dating of detrital zircons from Israel and Jordan. *Geological Magazine* 143, 367-391.
 42. Katzir, Y., Garfunkel, Z., Avigad, D. and A. Matthews (2007). The geodynamic evolution of the Alpine orogen in the Cyclades (Aegean Sea, Greece): insights from diverse origins and modes of emplacement of ultramafic rocks. Geological Society, London, Special Publications 291; p. 17-40.
 43. Avigad, D., Stern, R.J., Beyth, M., Miller, N., McWilliams, M.O., (2007). Detrital zircon geochronology of Cryogenian diamictites and Lower Paleozoic sandstone in Ethiopia (Tigrai): age constraints on Neoproterozoic glaciation and crustal evolution of the southern Arabian-Nubian Shield. *Precambrian Research* 154, 88-106.
 44. Morag, N., Avigad, D., Harlavan, Y., McWilliams, M.O., Michard, A., (2008). Rapid exhumation and mountain building in the Western Alps: detrital petrology and geochronology of Tertiary basins of SE France. *Tectonics* 27, TC2004, doi:10.1029/2007TC002142.
 45. Gersman, R., Ben Dor, E., Beyth, M., Avigad, D., Abraha, M., and A. Kibreab, (2008). Mapping Hydrothermally Altered Rocks by the EO-1 Hyperion Sensor, Northern Danakil Depression, Eritrea. *International Journal of Remote Sensing* 29, 3911-3936.
 46. Stern, R.J., Avigad, D., Miller, N., Beyth, M., (2008). From Volcanic Winter to Snowball Earth: An alternative explanation for Neoproterozoic Biosphere Stress. Springer Solid Earth Series "Links between Geological Processes, Microbial Activities, and Evolution of Life". Y. Dilek, H. Furnes, K. Muehlenbachs Eds. 313-337.
 47. Vermeesch, P., Avigad, D., McWilliams, M.O, (2009). 500 Myr of thermal history elucidated by multi-method detrital thermochronology of North Gondwana Cambrian sandstones (Eilat area, Israel). *Geological Society of America Bulletin* 121, 1204-1216 .

48. Miller, N, Stern, R.J., Avigad, D., Beyth, M, Schilman, B., (2009). Cryogenian carbonate-slate sequences of the Tambien Group, N. Ethiopia: pre-“Sturtian” chemostratigraphy and regional correlations. *Precambrian Research* 170, 129-156 .
49. Be'eri-Shlevin, Y., Avigad, D., Matthews, A., (2009). Age and pressure-temperature constraints on magmatism and metamorphism in the Asteroussia Unit at Anafi Island (Cyclades, Greece). *Israel Journal of Earth Sciences* 58, 13-27
50. Kolodner, K., Avigad, D., Ireland T.R., Grafunkel Z. (2009). Origin of Lower Cretaceous ('Nubian') sandstones of North-East Africa and Arabia from detrital zircon U-Pb SHRIMP dating. *Sedimentology* 56, 2010-2023.
51. Avigad, D., Gvirtzman, Z., (2009). Late Neoproterozoic rise and fall of the northern Arabian-Nubian Shield: The role of lithospheric mantle delamination and subsequent thermal subsidence. *Tectonophysics* 477, 217-228.
52. Ziv, A., Katzir, Y., Avigad, D., Garfunkel, Z., (2010). Strain development and kinematic significance of the Alpine folding on Andros (western Cyclades), Greece. *Tectonophysics* 488, 248-255.
53. Morag, N., Avigad, D., Gerdes, A., Belousova, E., Harlavan, Y., (2011). Crustal evolution and recycling in the northern Arabian-Nubian Shield: new perspectives from zircon Lu-Hf and U-Pb systematics. *Precambrian Research* 186, 101-116.
54. Miller, N, Avigad, D., Stern, R.J., Beyth, M, (2011). The Tambien Group, Northern Ethiopia (Tigre). In Arnaud, E., Halverson, G. P. & Shields-Zhou, G. (eds) *The Geological Record of Neoproterozoic Glaciations*. Geological Society, London, *Memoirs*, 36, 263–276.
55. Angerer, T., Greiling, R.O., Avigad, D., (2011). Fabric development in a weathering profile at a basement-cover interface, the sub-Cambrian peneplain, Israel: Implication for decollement tectonics. *Journal of Structural Geology* 33, 819-832.
56. Morag, N., Avigad, D., Gerdes, A., Belousova, E., Harlavan, Y., (2011). Detrital zircon Hf isotopic composition indicates long distance transport of north Gondwana Cambro-Ordovician sandstone. *Geology* 39, 955-958.
57. Sandler, A., Teutch, N., Avigad, D., (2012). Sub-Cambrian pedogenesis recorded in a weathering profile of the Arabian-Nubian Shield. *Sedimentology* 59. 1305-1320 .
58. Morag, N., Avigad, D., Gerdes, A., Harlavan, Y., (2012). 1000–580 Ma crustal evolution in the northern Arabian-Nubian Shield revealed by U–Pb–Hf of detrital zircons from late Neoproterozoic sediments (Elat area, Israel). *Precambrian Research* 208– 211, 197– 212.
59. Avigad, D., Gerdes, A., Morag, N., Bechstädt, T., (2012). Coupled U-Pb-Hf of detrital zircons of Cambrian sandstones from Morocco and Sardinia: implications for provenance and Precambrian crustal evolution of North Africa. *Gondwana Research* 21, 690-703.

60. Meinhold, G., Morton, A.C., Avigad, D., (2013). New insights into peri-Gondwana paleogeography and the Gondwana superfan system from detrital zircon U-Pb ages. *Gondwana Research* 23, 661–665
61. Zlatkin, O., Avigad, D., Gerdes, A., (2013). Evolution and provenance of Neoproterozoic basement and Lower Paleozoic siliciclastic cover of the Menderes Massif (Western Taurides): coupled U-Pb-Hf zircon isotope geochemistry. *Gondwana Research*. 23, 682–700
62. Be'eri-Shlevin, Y., Avigad, D., Gerdes, A., Zlatkin, O., (2013). Detrital zircon U-Pb-Hf systematics of Israeli coastal sands: new perspectives on the provenance of Nile sediments. *Journal of the Geological Society, London. Journal of the Geological Society* 171(1):107-116.
63. Zlatkin, O., Avigad, D., Gerdes, A., (2014). Peri-Amazonian provenance of the Proto-Pelagonian basement (Greece), from zircon U-Pb geochronology and Lu-Hf isotopic geochemistry. *Lithos* 184-187, 379–392.
64. Avigad, D., Weissbrod, T., Gerdes, A., Zlatkin, O., Ireland, T.R., Morag, N., (2015). The detrital zircon U-Pb-Hf fingerprint of the northern Arabian-Nubian Shield as reflected by a Late Ediacaran arkosic wedge (Zenifim Formation; subsurface Israel). *Precambrian Research* 266, 1-11.
65. Abbo, A., Avigad, A., Gerdes, A., Güngör, T., (2015). Cadomian basement and Paleozoic to Triassic siliciclastics of the Taurides (Karacahisar dome, south-central Turkey): Paleogeographic constraints from U-Pb-Hf in Zircons. *Lithos* 227 (2015) 122–139.
66. Avigad, D., Abbo, A., Gerdes, A., (2016). Origin of the Eastern Mediterranean: Neo-Tethys rifting along a cryptic Cadomian suture between Afro-Arabia and the Taurides. *Geological Society of America Bulletin*. 128, 1286-1296. doi:10.1130/B31370.1
67. Avigad, D., Morag, N., Abbo, A., Gerdes, A., (2017). Detrital rutile U-Pb perspective on the origin of the great Cambro-Ordovician sandstone of North Gondwana and its linkage to orogeny. *Gondwana Research* 51, 17–29.
68. Zlatkin, O., Avigad, D., Gerdes, A., (2017). The Pelagonian terrane of Greece in the peri-Gondwanan mosaic of the Eastern Mediterranean: Implications for the geological evolution of Avalonia. *Precambrian Research* 290, 163–183.
69. Be'eri-Shlevin, Y., Avigad, D., Gerdes, A., (2018). The White Nile as a source for Nile sediments: Assessment using U-Pb geochronology of detrital rutile and monazite. *Journal of African Earth Sciences* 140, 1-8.
70. Ben Dor, Y., Harlavan, Y., Avigad, D., (2018). Provenance of the great Cambrian sandstone succession of northern Gondwana unraveled by strontium, neodymium and lead isotopes of feldspars and clays. *Sedimentology* 65, 2595-2620.
71. Zlatkin, O., Avigad, D., Gerdes, A., (2018). New detrital zircon geochronology from the Cycladic Basement (Greece): Implications for the Paleozoic accretion of Peri-Gondwanan terranes to Laurussia. *Tectonics*, 37 <https://doi.org/10.1029/2018TC005046>

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