

## *List of Publications*

(August 2022)

113. Armon, M., Marra, F., Enzel, Y., Rostkier-Edelstein, D., Garfinkel, C.I., Adam, O., **Dayan, U.**, and Morin, E. (2022): Reduced Rainfall in Future Heavy Precipitation Events Related to Contracted Rain Area Despite Increased Rain Rate. *Earth Future*, 10. <https://doi.org/10.1029/2021EF002397>
112. Elbaum, E., Garfinkel, C. I., Adam, O., Morin, E., Rostkier-Edelstein, D., & **Dayan, U.** (2022). Uncertainty in projected changes in precipitation minus evaporation: Dominant role of dynamic circulation changes and weak role for thermodynamic changes. *Geophysical Research Letters*, 49, e2022GL097725. <https://doi.org/10.1029/2022GL097725>
111. Marra, F., Armon, M., Adam, O., Zoccatelli, D., Gazal, O., Garfinkel, C. I., Rostkier-Edelstein, D., **Dayan, U.**, Enzel, Y., and Morin, E. (2021): Towards narrowing uncertainty in future projections of local extreme precipitation. *Geophysical Research Letters*, 48, e2020GL091823. <https://doi.org/10.1029/2020GL091823>.
110. Agami, S. and **Dayan, U.** (2021): Impact of the first induced COVID-19 lockdown on air quality in Israel. *Atmospheric Environment*, 262, <https://doi.org/10.1016/j.atmosenv.2021.118627>.
109. Bodenheimer, S., Nirel, R., Lensky, I.M., and **Dayan, U.** (2021): The Synoptic Skill of AOD and Angstrom Exponent Levels over the Mediterranean Basin. *Int J Climatol*. 41, 1801–1820. DOI: 10.1002/joc.6931.
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106. Garfinkel, C., Adam, O., Morin, E., Enzel, Y., Elbaum, E., Bartov, M., Rostkier-Edelstein, D., and **Dayan, U.** (2020): The Role of Zonally Averaged Climate Change in Contributing to Intermodel Spread in CMIP5 Predicted Local Precipitation Changes. *Journal of Climate*, 33, 1141- 1154, DOI: 10.1175/JCLI-D-19-0232.1.
105. Yuval, Y., Levi, Y., **Dayan, U.**, Levy, I., and Broday, D.M. (2020): On the association between characteristics of the atmospheric boundary layer and air pollution concentrations. *Atmospheric Research*, 231, UNSP 104675, DOI: 10.1016/j.atmosres.2019.104675.
104. Broday, D., **Dayan, U.**, Aharonov, E., Laufer, D., and Adel, M. (2020): Emissions from gas processing platforms to the atmosphere-case studies versus benchmarks. *Environmental Impact Assessment Review*, 80, 106313, <https://doi.org/10.1016/j.eiar.2019.106313>.

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102. Bodenheimer, S., Lensky, I., and **Dayan, U.** (2019): Characterization of Eastern Mediterranean dust storms by area of origin; North Africa vs. Arabian Peninsula. *Atmospheric Environment* 198, 158–165.
101. Lensky, I. M., **Dayan, U.**, & Helman, D. (2018). Synoptic circulation impact on the near-surface temperature difference outweighs that of the seasonal signal in the Eastern Mediterranean. *Journal of Geophysical Research: Atmospheres*, 123. <https://doi.org/10.1029/2017JD027973>.
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98. Ricaud, P., Zbinden, R., Catoire, V., Brocchi, V., Dulac, F., Hamonou, E., Canonici, J.C., El Amraoui, L., Massart, S., Pignatelli, B., Dayan, U., Nabat, P., Sciare, J., Ramonet, M., Delmotte, M., di Sarra, A., Sferlazzo, D., di Iorio, T., Piacentini, S., Cristofanelli, P., Mihalopoulos, N., Kouvarakis, G., Pikridas, M., Savvides, C., Mamouri, R., Nisantzi, A., Hadjimitsis, D., Attié, J.L., Ferré, H., Theron, P., Kangah, Y., Jaidan, N., Guth, J., Jacquet, P., Chevrier, S., Robert, C., Bourdon, A., Bourdinot, J.F., and Etienne, J.C. (2018): The GLAM airborne campaign across the Mediterranean Basin. *Bull. Ame. Met. Soc.* 99, 2, 361-380. 1131-1136, <https://doi.org/10.1175/BAMS-D-16-0226.1>.
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95. Crouvi, O., **Dayan, U.**, Amit, R., and Enzel, Y. (2017): An Israeli haboob: Sea breeze activating local anthropogenic dust sources in the Negev loess, *Aeolian Research*, 24, 39-52. <https://dx.doi.org/10.1016/j.aeolia.2016.12.002>.
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83. Lensky, I., and **U. Dayan** (2013): Continuous detection and characterization of the Sea Breeze in clear sky conditions using Meteosat Second Generation, *Atmos. Chem. Phys.*, 12, 6505-6513.
82. Calastrini, F., F. Guarnieri, S. Becagli, C. Busillo, M. Chiari, **U. Dayan**, F. Lucarelli, S. Nava, M. Pasqui, R. Traversi, R. Udisti, and G. Zipoli (2012): Desert dust outbreaks over Mediterranean Basin: A modeling, observational, and synoptic analysis approach, *Advances in Meteorology*, 12, doi:10.1155/2012/246874.
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