

1. Reference Publications

An extensive list of MPL and MPLNET related publications are presented here:

<https://mplnet.gsfc.nasa.gov/publications>

1.1. Other notable references are presented below

1. OCórdoba-Jabonero, Carmen, et al. "Separation of the optical and mass features of particle components in different aerosol mixtures by using POLIPHON retrievals in synergy with continuous polarized Micro-Pulse Lidar (P-MPL) measurements." *Atmospheric Measurement Techniques* 11.8 (2018): 4775-4795.
2. Sargent, Maryann, et al. "Anthropogenic and biogenic CO₂ fluxes in the Boston urban region." *Proceedings of the National Academy of Sciences* 115.29 (2018): 7491-7496.
3. Wu, Lixin, et al. "Mobile lidar Measurement for Aerosol Investigation in South-Central Hebei, China." *EGU General Assembly Conference Abstracts*. Vol. 18. 2016.
4. Qin, Kai, et al. "Trans-boundary aerosol transport during a winter haze episode in China revealed by ground-based Lidar and CALIPSO satellite." *Atmospheric Environment* 141 (2016): 20-29.
5. Córdoba-Jabonero, Carmen, et al. "Lidar Ratio Derived for Pure Dust Aerosols: Multi-Year Micro Pulse Lidar Observations in a Saharan Dust-Influenced Region." *EPJ Web of Conferences*. Vol. 119. EDP Sciences, 2016.
6. Qiong, L. I. U., et al. "Comparison of Vertical Distribution of Optical Properties of Aerosols between Haze and Floating Dust Weather in Shanghai Based on Micro Pulse Lidar." *Journal of Meteorological Research* (2016)
7. Sicard, Michaël, et al. "Near-surface and columnar measurements with a Micro Pulse Lidar of atmospheric pollen in Barcelona, Spain." Article in *Atmospheric Chemistry and Physics*, March 2016
8. Ware, John. "Remote Sensing of Urban Mixed Layer Structure in Los Angeles, with Applications to Greenhouse Gas Emissions Quantification." *2015 AGU Fall Meeting*. AGU, 2015.
9. Huang, Zhongwei, et al. "Comparison of depolarization ratio measurements with micro-pulse lidar and a linear polarization lidar in Lanzhou, China." *Proc. 25th Int. Laser Radar Conf., St. Petersburg, Russia*. 2010.
10. Jian-Ping, Huang, et al. "Micro-pulse lidar measurements of aerosol vertical structure over the Loess Plateau." *Atmospheric and oceanic science letters* 1.1 (2008): 8-11.
11. Niranjana, K., B. L. Madhavan, and V. Sreekanth. "Micro pulse lidar observation of high altitude aerosol layers at Visakhapatnam located on the east coast of India." *Geophysical Research Letters* 34.3 (2007).
12. Flynn, Connor J., et al. "Novel polarization-sensitive micropulse lidar measurement technique." *Optics express* 15.6 (2007): 2785-2790.

13. Shiobara, Masataka, et al. "Arctic experiment for ICESat/GLAS ground validation with a micro-pulse lidar at Ny-Alesund, Svalbard." *Polar meteorology and glaciology* 20 (2006): 28-39.
14. He, Q. S., et al. "A study on the aerosol extinction-to-backscatter ratio with combination of micro-pulse LIDAR and MODIS over Hong Kong." *Atmospheric Chemistry and Physics* 6.11 (2006): 3243-3256.
15. Shiobara, Masataka, et al. "Arctic experiment for ICESat/GLAS ground validation with a micro-pulse lidar at Ny-Alesund, Svalbard." *Polar meteorology and glaciology* 20 (2006): 28-39.
16. Welton, Ellsworth J., et al. "The NASA Micro-Pulse Lidar Network (MPLNET): Co-location of Lidars with AERONET." (2004).
17. Shiobara, Masataka, Masanori Yabuki, and Hiroshi Kobayashi. "A polar cloud analysis based on Micro-pulse Lidar measurements at Ny-Alesund, Svalbard and Syowa, Antarctica." *Physics and Chemistry of the Earth, Parts A/B/C* 28.28 (2003): 1205-1212.
18. Welton, Ellsworth J., James R. Campbell, and David OC Starr. "Micro-pulse lidar signals: Uncertainty analysis." (2002).
19. Chen, Weibiao, et al. "One-year observation of urban mixed layer characteristics at Tsukuba, Japan using a micro pulse lidar." *Atmospheric Environment* 35.25 (2001): 4273-4280.
20. R.M. Hoff, S.A. Christopher: *Remote Sensing of Particulate Pollution from Space: Have We Reached the Promised Land?* *J. Air & Waste Manage. Assoc.* 59:645–675
21. Carmen Córdoba-Jabonero^{1*}, Michaël Sicard, et al: *Vertical Separation of the Atmospheric Aerosol components by using POLIPHON retrieval in Polarized Micro Pulse Lidar (P-MPL)*
Measurements: Case Studies of Climate-Relevant Aerosol Types. EPJ Web of Conferences 176, 05041 (2018)
22. A. Nemuc, J. Vasilescu, C. Talianu, L. Belegante, and D. Nicolae: *Assessment of aerosol's mass concentrations from measured linear particle depolarization ratio (vertically resolved) and simulations*. *Atmos. Meas. Tech.*, 6, 3243–3255, 2013
23. Bohren and Huffma (1983) *Mie code for the treatment of spherical particles*
24. Toon and Ackerman (1981) *Mie code for the treatment of coated spheres*
25. Dubovik, O., Holben, B., Eck, T. F., Smirnov, A., Kaufman, Y. J., et al: *Variability of absorption and optical properties of key aerosol types observed in worldwide locations*. *J. Atmos. Sci.* 59, 590–608
26. Wagner, J., Ansmann, A., Wandinger, U., et al: *Evaluation of the Lidar/Radiometer Inversion Code (LIRIC) to determine microphysical properties of volcanic and desert dust*. *Atmos. Meas. Tech.*, 6, 1707–1724, doi:10.5194/amt-6-1707-2013, 2013
27. X. Liang, S. Miao, J. Li, et al: *SURF Understanding and Predicting Urban Convection and Haze*. BAMS, (July 2018)