



# Air Resources Laboratory Fiscal Year 2024 Publications



- Lee, T. R.**, Pal, S., **Krishnan, P.**, Hirth, B., **Heuer, M.**, **Meyers, T. P.**, **Saylor, R. D.**, & Schroeder, J. (2023). On the Efficacy of Monin–Obukhov and Bulk Richardson Surface-Layer Parameterizations over Drylands. *Journal of Applied Meteorology and Climatology*, 62(11), 1655-1675. <https://doi.org/10.1175/JAMC-D-23-0092.1>
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- Stein, A. F.**, Hicks, B. B., **Myles, L.**, & **Simon, M.** (2023). NOAA’s Air Resources Laboratory—75 Years of Research Linking Earth and Sky: A Historical Perspective. *Bulletin of the American Meteorological Society*, 104(12), E2155-E2170. <https://doi.org/10.1175/BAMS-D-23-0006.1>
- Makkaron, P., **Tong, D. Q.**, Li, Y., Hyer, E. J., Xian, P., Kondragunta, S., **Campbell, P. C.**, **Tang, Y.**, **Baker, B. D.**, **Cohen, M. D.**, Darmenov, A., Lyapustin, A., **Saylor, R. D.**, Wang, Y., & Stajner, I. (2023). Development and evaluation of a North American ensemble wildfire air quality forecast: Initial application to the 2020 western United States “Gigafire”. *JGR Atmospheres*, 128(22), e2022JD037298. <https://doi.org/10.1029/2022JD037298>
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- de Boer, G., White, A., Cifelli, R., Intrieri, J., Rose Abel, M., Mahoney, K., **Meyers, T.**, Lantz, K., Hamilton, J., Currier, W., Sedlar, J., Cox, C., Hulm, E., Riihimaki, L. D., Adler, B., Bianco, L., Morales, A., Wilczak, J., Elston, J., Stachura, M., Jackson, D., Morris, S., Chandrasekar, V., Biswas, S., Schmatz, B., Junyent, F., Reithel, J., Smith, E., Schloesser, K., **Kochendorfer, J.**, et al. (2023). Supporting Advancement in Weather and Water Prediction in the Upper Colorado River Basin: The SPLASH Campaign. *Bulletin of the American Meteorological Society*, 104(10), E1853-E1874. <https://doi.org/10.1175/BAMS-D-22-0147.1>

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- Kim, E., **Kim, H. C.**, Kim, B-U., Woo, J-H., Liu, Y., & Kim, S. (2024) Development of surface observation-based two-step emissions adjustment and its application on CO, NO<sub>x</sub>, and SO<sub>2</sub> emissions in China and South Korea. *Science of The Total Environment*, 907, 167818. <https://doi.org/10.1016/j.scitotenv.2023.167818>
- Wilson, T. B., Kochendorfer, J., Diamond, H. J., Meyers, T. P., Hall, M., Lee, T. R., Saylor, R. D., Krishnan, P.,** Leeper, R. D., Palecki, M. A. (2024). Evaluation of soil water content and bulk electrical conductivity across the U.S. Climate Reference Network using two electromagnetic sensors. *Vadose Zone Journal*. 23(4). <https://doi.org/10.1002/vzj2.20336>

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