PEER-REVIEWED PUBLICATIONS

Orcid-ID: 0000-0002-9721-1036
WOS-resID: P-1639-2018
Scopus-ID: 55822833200
Google Scholar: https://scholar.google.com/citations?user=fRwYdVIAAAAJ&hl=it

SCIENTIFIC PAPERS

24. Cristofanelli, P., Trisolino, P., Calzolari, F., Busetto, M., Calidonna, C. R., Amendola, S., Arduini, J., Fratticioli, C., Hundal, R. A., Maione, M., Marcucci, F., Marinoni, A., Montaguti, S., Renzi, L., Roccato, F., Bonasoni, P., and **Putero, D.**: Influence of wildfire emissions to carbon dioxide (CO_2) observed at the Mt. Cimone station (Italy, 2165 m asl): a multi-year investigation. Atmos. Environ., 330, 120577, https://doi.org/10.1016/j.atmosenv.2024.120577, 2024.
23. **Putero, D.**, Cristofanelli, P., Chang, K.-L., Dufour, G., Beachley, G., Couret, C., Effertz, P., Jaffe, D. A., Kubistin, D., Lynch, J., Petropavlovskikh, I., Puchalski, M., Sharac, T., Sive, B. C., Steinbacher, M., Torres, C., and Cooper, O. R.: Fingerprints of the COVID-19 economic downturn and recovery on ozone anomalies at high-elevation sites in North America and Western Europe. Atmos. Chem. Phys., 23, 15693–15709, https://doi.org/10.5194/acp-23-15693-2023, 2023.
22. Salerno, F., Guyennon, N., Yang, K., Shaw, T. E., Lin, C., Colombo, N., Romano, E., Gruber, S., Bolch, T., Alessandri, A., Cristofanelli, P., **Putero, D.**, Diolaiuti, G., Tartari, G., Verza, G., Thakuri, S., Balsamo, G., Miles, E. S., and Pellicciotti, F.: Local cooling and drying induced by Himalayan glaciers under global warming. Nat. Geosci., 16, 1120–1127, https://doi.org/10.1038/s41561-023-01331-y, 2023.
21. Yang, C., Cagnazzo, C., Artale, V., Nardelli, B. B., Buontempo, C., Busatto, J., Caporaso, L., Cesarini, C., Cionni, I., Coll, J., Crezee, B., Cristofanelli, P., de Toma, V., Essa, Y. H., Eyring, V., Fierli, F., Grant, L., Hassler, B., Hirschi, M., Huybrechts, P., Le Merle, E., Leonelli, F. E., Lin, X., Madonna, F., Mason, E., Massonnet, F., Marcos, M., Marullo, S., Müller, B., Obregon, A., Organelli, E., Palacz, A., Pascual, A., Pisano, A., **Putero, D.**, Rana, A., Sánchez-Román, A., Seneviratne, S. I., Serva, F., Storto, A., Thiery, W., Thorne, P., Van Tricht, L., Verhaegen, Y., Volpe, G., and Santoleri, R.: Independent quality assessment of Essential Climate Variables. Bull. Am. Meteorol. Soc., 103, E2032–E2049, https://doi.org/10.1175/BAMS-D-21-0109.1, 2022.
20. Tian, B., Ding, M., **Putero, D.**, Li, C., Zhang, D., Tang, J., Zheng, X., Bian, L., and Xiao, C.: Multi-year variation of near-surface ozone at Zhongshan Station, Antarctica. Environ. Res. Lett., 17, 044003, https://doi.org/10.1088/1748-9326/ac583c, 2022.
19. Vardè, M., Barbante, C., Barbaro, E., Becherini, F., Bonasoni, P., Busetto, M., Calzolari, F., Cozzi, G., Cristofanelli, P., Dallo, F., De Blasi, F., Feltracco, M., Gabrieli, J., Gambaro, A., Maffezzoli, N., Morabito, E., **Putero, D.**, Spolaor, A., and Cairns, W. R. L.: Characterization of atmospheric total gaseous mercury at a remote high-elevation site (Col Margherita Observatory, 2543 m a.s.l.) in the Italian Alps. Atmos. Environ., 271, 118917, https://doi.org/10.1016/j.atmosenv.2021.118917, 2022.
18. Lacagnina, C., Doblas-Reyes, F., Larnicol, G., Buontempo, C., Obregón, A., Costa-Surós, M., San-Martín, D., Bretonnière, P.-A., Polade, S. D., Romanova, V., **Putero, D.**, Serva, F., Llabrés-Brustenga, A., Pérez, A., Cavaliere, D., Membrive, O., Steger, C., Pérez-Zanón, N., Cristofanelli, P., Madonna, F., Rosoldi, M., Riihelä, A., and Díez, M. G.: Quality Management Framework for Climate Datasets. Data Sci. J., 21(1), 10, https://doi.org/10.5334/dsj-2022-010, 2022.
17. Cristofanelli, P., Arduini, J., Serva, F., Calzolari, F., Bonasoni, P., Busetto, M., Maione, M., Sprenger, M., Trisolino, P., and **Putero, D.**: Negative ozone anomalies at a high mountain site in northern Italy during 2020: A possible role of COVID-19 lockdowns? Environ. Res. Lett., 16, 074029, https://doi.org/10.1088/1748-9326/ac0b6a, 2021.

16. Cristofanelli, P., Gutiérrez, I., Adame, J. A., Bonasoni, P., Busetto, M., Calzolari, F., **Putero, D.**, Roccato, F.: Interannual and seasonal variability of NOx observed at the Mt. Cimone GAW/WMO global station (2165 m a.s.l., Italy). Atmos. Environ., 249, 118245, https://doi.org/10.1016/j.atmosenv.2021.118245, 2021.
15. Ding, M., Tian, B., Ashley, M. C. B., **Putero, D.**, Zhu, Z., Wang, L., Yang, S., Li, C., and Xiao, C.: Year-round record of near-surface ozone and O_3 enhancement events (OEEs) at Dome A, East Antarctica. Earth Syst. Sci. Data, 12, 3529–3544, https://doi.org/10.5194/essd-12-3529-2020, 2020.
14. Cristofanelli, P., Fierli, F., Graziosi, F., Steinbacher, M., Couret, C., Calzolari, F., Roccato, F., Landi, T., **Putero, D.**, and Bonasoni, P.: Decadal O_3 variability at the Mt. Cimone WMO/GAW global station (2,165 m a.s.l., Italy) and comparison with two high-mountain "reference" sites in Europe. Elem. Sci. Anth., 8, 00042, https://doi.org/10.1525/elementa.00042, 2020.
13. Naitza, L., Cristofanelli, P., Marinoni, A., Calzolari, F., Roccato, F., Busetto, M., Sferlazzo, D., Aruffo, E., Di Carlo, P., Bencardino, M., D'Amore, F., Sprovieri, F., Pirrone, N., Dallo, F., Gabrieli, J., Vardè, M., Resci, G., Barbante, C., Bonasoni, P., and **Putero, D.**: Increasing the maturity of measurements of essential climate variables (ECVs) at Italian atmospheric WMO/GAW observatories by implementing automated data elaboration chains. Comput. Geosci., 137, 104432, https://doi.org/10.1016/j.cageo.2020.104432, 2020.
12. Cristofanelli, P., Di Carlo, P., Aruffo, E., Apadula, F., Bencardino, M., D'Amore, F., Bonasoni, P., and **Putero, D.**: An assessment of stratospheric intrusions in Italian mountain regions using STEFLUX. Atmosphere, 9(10), 413, https://doi.org/10.3390/atmos9100413, 2018.
11. Cristofanelli, P., **Putero, D.**, Bonasoni, P., Busetto, M., Calzolari, F., Camporeale, G., Grigioni, P., Lupi, A., Petkov, B., Traversi, R., Udisti, R., and Vitale, V.: Analysis of multi-year near-surface ozone observations at the WMO/GAW "Concordia" station (7506'S, 12320'E, 3280 m a.s.l. – Antarctica). Atmos. Environ., 177, 54–63, https://doi.org/10.1016/j.atmosenv.2018.01.007, 2018.
10. **Putero, D.**, Marinoni, A., Bonasoni, P., Calzolari, F., Rupakheti, M., and Cristofanelli, P.: Black carbon and ozone variability at the Kathmandu Valley and at the southern Himalayas: a comparison between a "hot spot" and a downwind high-altitude site. Aerosol Air Qual. Res., 18, 623–635, https://doi.org/10.4209/aaqr.2017.04.0138, 2018.
9. Balestrini, R., Delconte, C. A., Sacchi, E., Wilson, A. M., Williams, M. W., Cristofanelli, P., and **Putero, D.**: Wet deposition at the base of Mt. Everest (5050 m asl, Nepal Himalaya): seasonal evolution of the chemistry and isotopic composition. Atmos. Environ., 146, 100–112, https://doi.org/10.1016/j.atmosenv.2016.08.056, 2016.
8. **Putero, D.**, Cristofanelli, P., Sprenger, M., Škerlak, B., Tositti, L., and Bonasoni, P.: STEFLUX, a tool for investigating stratospheric intrusions: application to two WMO/GAW global stations. Atmos. Chem. Phys., 16, 14203–14217, https://doi.org/10.5194/acp-16-14203-2016, 2016.
7. Duchi, R., Cristofanelli, P., Landi, T. C., Arduini, J., Bourcier, L., Busetto, M., Calzolari, F., Marinoni, A., **Putero, D.**, and Bonasoni, P.: Long-term (2002–2012) investigation of Saharan dust transport events at Mt. Cimone GAW global station, Italy (2165 m asl). Elem. Sci. Anth., 4 (1), 000085, https://doi.org/10.12952/journal.elementa.000085, 2016.
6. Cerenzia, I., **Putero, D.**, Bonsignore, F., Galassi, G., Olivieri, M., and Spada, G.: Historical and recent sea level rise and land subsidence in Marina di Ravenna, Northern Italy. Ann. Geophys., 59 (5), P0456, https://doi.org/10.4401/ag-7022, 2016.
5. **Putero, D.**, Cristofanelli, P., Marinoni, A., Adhikary, B., Duchi, R., Shrestha, S. D., Verza, G. P., Landi, T. C., Calzolari, F., Busetto, M., Agrillo, G., Biancofiore, F., Di Carlo, P., Panday, A. K., Rupakheti, M., and Bonasoni, P.: Seasonal variation of ozone and black carbon observed at Paknajol, an urban site in the Kathmandu Valley, Nepal. Atmos. Chem. Phys., 15, 13957–13971, https://doi.org/10.5194/acp-15-13957-2015, 2015.
4. **Putero, D.**, Landi, T.C., Cristofanelli, P., Marinoni, A., Laj, P., Duchi, R., Calzolari, F., Verza, G. P., and Bonasoni, P.: Influence of open vegetation fires on black carbon and ozone variability in the Southern

Himalayas (NCO-P, 5079 m a.s.l.). Environ. Poll., 184, 597–604, https://doi.org/10.1016/j.envpol.2013.09.035, 2014.

3. **Putero, D.**, Cristofanelli, P., Laj, P., Marinoni, A., Villani, P., Broquet, A., Alborghetti, M., Bonafè, U., Calzolari, F., Duchi, R., Landi, T.C., Verza, G.P., Vuillermoz, E., and Bonasoni, P.: New atmospheric composition observations in the Karakorum region: influence of local emissions and large-scale circulation during a summer field campaign. Atmos. Environ., 97, 75–82, https://doi.org/10.1016/j.atmosenv.2014.07.063, 2014.
2. Cristofanelli, P., **Putero, D.**, Adhikary, B., Landi, T.C., Marinoni, A., Duchi, R., Calzolari, F., Laj, P., Stocchi, P., Verza, G., Vuillermoz, E., Kang, S., Ming, J., and Bonasoni, P.: Transport of short-lived climate forcers/pollutants (SLCF/P) to the Himalayas during the South Asian summer monsoon onset. Environ. Res. Lett., 9(8), 084005, https://doi.org/10.1088/1748-9326/9/8/084005, 2014.
1. Marinoni, A., Cristofanelli, P., Laj, P., Duchi, R., **Putero, D.**, Calzolari, F., Landi, T.C., Vuillermoz, E., Maione, M., and Bonasoni, P.: High black carbon and ozone concentrations during pollution transport in the Himalayas: five years of continuous observations at NCO-P global GAW station. J. Environ. Sci., 25(8), 1618–1625, https://doi.org/10.1016/S1001-0742(12)60242-3, 2013.

BOOKS

1. Cristofanelli, P., Brattich, E., Decesari, S., Landi, T. C., Maione, M., **Putero, D.**, Tositti, L., and Bonasoni, P.: High-mountain atmospheric research: the Italian Mt. Cimone WMO/GAW global station (2165 m a.s.l.). SpringerBriefs in Meteorology, 144 pp., Springer, Cham. https://doi.org/10.1007/978-3-319-61127-3, 2018.

BOOK CHAPTERS

1. Vuillermoz, E., Cristofanelli, P., **Putero, D.**, Verza, G. P., Alborghetti, M., Melis, M., Rasul, G., Listo, L., and Bonasoni, P.: Air-quality measurements at Multan – Pakistan, In: Del Bo, A., Bignami, D. (eds) Sustainable Social, Economic and Environmental Revitalization in Multan City. Research for Development. Springer, Cham. https://doi.org/10.1007/978-3-319-02117-1_11, 2014.

Last update: May 2024