

ILAQH Publication List ~ Sensors

Journal Articles (Peer-Reviewed):

1. Kuhn, T., Jayaratne, E.R., Thai, P., Christensen, B., Liu, X., Dunbabin, M., Lamont, R., Zing, I., Wainwright, D., Witte, C., Neale, D. and Morawska, L. "[Air Quality during and after the Commonwealth Games 2018 in Australia: multiple benefits of monitoring](https://doi.org/10.1016/j.jaerosci.2020.105707)". *Journal of Aerosol Science*, 105707, 2020. <https://doi.org/10.1016/j.jaerosci.2020.105707>
2. Jayaratne, E.R., Thai, P., Christensen, B., Liu, X., Lamont, R., Dunbabin, M., Dawkins, L., Bertrand, L and Morawska, L. "[The Effect of Cold-Start Emissions on the Diurnal Variation of Carbon Monoxide Concentration in a City Centre](https://doi.org/10.1016/j.atmosenv.2020.118035)". *Atmospheric Environment*, 245: 118035, 2021. <https://doi.org/10.1016/j.atmosenv.2020.118035>
3. Jayaratne, E.R., Kuhn, T., Christensen, B., Liu, X., Zing, I., Lamont, R., Dunbabin, M., Maddox, J., Fisher, G. and Morawska, L. "[Using a Network of Low-Cost Particle Sensors to Assess the Impact of Ship Emissions on a Residential Community](https://doi.org/10.4209/aaqr.2020.06.0280)". *Aerosol and Air Quality Research*, **Accepted 7 August 2020, In Press.** <https://doi.org/10.4209/aaqr.2020.06.0280>
4. Bertrand, L., Dawkins, L., Jayaratne, E.R. and Morawska, L. "[How to choose healthier urban biking routes: CO as a proxy of traffic pollution](https://doi.org/10.1016/j.heliyon.2020.e04195)". *Heliyon*, 6(6): e04195, 2020. <https://doi.org/10.1016/j.heliyon.2020.e04195>
5. Liu, X., Jayaratne, E.R., Thai, P., Kuhn, T., Zing, I., Christensen, B., Lamont, R., Dunbabin, M., Zhu, S., Gao, J., Wainwright, D., Neale, D., Kan, R., Kirkwood, J. and Morawska, L. "[Low-cost sensors as an alternative for long-term air quality monitoring](https://doi.org/10.1016/j.envres.2020.109438)". *Environmental Research*, 185: 109438, 2020. <https://doi.org/10.1016/j.envres.2020.109438>
6. Jayaratne, E.R., Liu, X., Ahn, K.H., Asumadu-Sakyi, A.B., Fisher, G., Gao, J., Mabon, A., Mazaheri, M., Mullins, B.J., Nyaku, M., Ristovski, Z.D., Scorgie, Y., Thai, P.K., Dunbabin, M. and Morawska, L. "[Low-cost PM2.5 sensors: an assessment of their suitability for various applications](https://doi.org/10.4209/aaqr.2018.10.0390)". *Aerosol and Air Quality Research (AAQR)*, 20: 520–532, 2020. <https://doi.org/10.4209/aaqr.2018.10.0390>
7. Nyarku, M., Buonanno, G., Ofori, F., Jayaratne, E.R., Mazaheri, M. and Morawska, L. "[School children's personal exposure to ultrafine particles in and near Accra, Ghana](https://doi.org/10.1016/j.envint.2019.105223)". *Environmental International*, 133(Part B): 105223, 2019. <https://doi.org/10.1016/j.envint.2019.105223>
8. Jayaratne, E.R., Liu, X., Thai, P., Dunbabin, M. and Morawska, L. "[The Influence of Humidity on the Performance of Low-Cost Air Particle Mass Sensors and the Effect of Atmospheric Fog](https://doi.org/10.5194/amt-11-4883-2018)". *Atmospheric Measurement Techniques*, 11: 4883-4890, 2018. <https://doi.org/10.5194/amt-11-4883-2018>
9. Mazaheri, M., Clifford, S., Yeganeh, B., Viana, M., Rizza, V., Flament, R., Buonanno, G. and Morawska, L. "[Investigations into factors affecting personal exposure to particles in urban microenvironments using Low-cost sensors](https://doi.org/10.1016/j.envint.2018.08.033)". *Environmental International*, 120: 496-504, 2018. <https://doi.org/10.1016/j.envint.2018.08.033>
10. Morawska, L., Thai, P.K., Liu, X., Asumadu-Sakyi, A.B., Ayoko, G.A., Bartonova, A., Bedini, A., Chai, F., Christensen, B., Dunbabin, M., Gao, J., Hagler, G.S.W., Jayaratne, E.R., Kumar, P., Lau, A.K.H., Louie, P.K., Mazaheri, M., Ning, Z., Motta, N., Mullins, B., Rahman, M.M., Ristovski, Z.D., Shafiei, M., Tjondronegoro, D., Westerdahl, D., and Williams, R. "[Applications of low-cost sensing technologies for air quality monitoring and exposure assessment: how far have they gone?](https://doi.org/10.1016/j.envint.2018.04.018)". *Environment International*, 116: 286-299, 2018. <https://doi.org/10.1016/j.envint.2018.04.018>
11. Nyarku, M., Mazaheri, M., Jayaratne, E.R., Dunbabin, M., Rahman, M.M., Uhde, E. and Morawska, L. "[Mobile phones as monitors of personal exposure to air pollution: is this the future?](https://dx.doi.org/10.1371/journal.pone.0193150)". *PLoS One*, (2): e0193150, 2018. <https://dx.doi.org/10.1371/journal.pone.0193150>