

ILAQH Publication List ~ Sensors

Journal Articles (Peer-Reviewed):

1. Senarathna, M., Priyankara, s., Jayaratne, E.R., Weerasooriya, R., Morawska, L. and Bowatte, G. "[Measuring Traffic-Related Air Pollution Using Smart Sensors: Before and During a New Traffic Plan](#)". *Geography, Environment, Sustainability Journal*, 15(3): 27-36, 2022.
2. 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](#)". *Journal of Aerosol Science*, 152: 105707, 2021.
3. 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](#)". *Atmospheric Environment*, 245: 118035, 2021.
4. 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](#)". *Aerosol and Air Quality Research*, 20(12): 2754-2764, 2020.
5. Bertrand, L., Dawkins, L., Jayaratne, E.R. and Morawska, L. "[How to choose healthier urban biking routes: CO as a proxy of traffic pollution](#)". *Heliyon*, 6(6): e04195, 2020.
6. 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](#)". *Environmental Research*, 185: 109438, 2020.
7. 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 PM_{2.5} sensors: an assessment of their suitability for various applications](#)". *Aerosol and Air Quality Research (AAQR)*, 20: 520–532, 2020.
8. 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](#)". *Environmental International*, 133(Part B): 105223, 2019.
9. 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](#)". *Atmospheric Measurement Techniques*, 11: 4883-4890, 2018.
10. 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](#)". *Environmental International*, 120: 496-504, 2018.
11. 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?](#)". *Environment International*, 116: 286-299, 2018.
12. 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?](#)". *PLoS One*, (2): e0193150, 2018. **Article is among the top 10% most cited PLoS One papers in 2018.**