

ILAQH Publication List ~ Particles from Respiratory Activities and Infection Spread

Journal Articles (Peer-Reviewed):

1. Hedges, K., Levitsky, M., Marchand, G., Morawska, L., Bhérier, L. and Letellier, M.-C. **“Comment on M22-1966 study by Loeb et al. 2022 “Medical Masks Versus N95 Respirators for Preventing COVID-19 Among Health Care Workers – A randomized trial”, *Annals of Internal Medicine*, Accepted 26 April 2023, In Press.**
2. Morawska, L., Bahnfleth, W., Bluysen, P.M., Boerstra, A., Buonanno, G., Dancer, S., Floto, A., Franchimon, F., Haworth, C., Hogeling, J., Isaxon, C., Jimenez, J.L., Kurnitski, J., Li, Y., Loomans, M., Marks, G., Marr, L.C., Mazzarella, L., Melikov, A.K., Miller, S., Milton, D., Nazaroff, W., Nielsen, P.V., Noakes, C., Peccia, J., Querol, X., Sekhar, C., Seppänen, O., Tanabe, S., Tellier, R., Tham, K.W., Wargocki, P. and Wierzbicka, A. **“[COVID-19 and Airborne Transmission: Science Rejected, Lives Lost. Can Society Do Better?](#)” *Clinical Infectious Diseases*, ciad068, 2023.**
3. Brass, A., Shoubridge, A.P., Larby, N., Elms, L., Sims, S.K., Flynn, E., Miller, C., Crotty, M., Papanicolas, L.E., Wesselingh, S.L., Morawska, L., Bell, S.C., Taylor, S.L. and Rogers, G.B. **“[Targeted reduction of airborne viral transmission risk in residential aged care](#)”. *Age and Ageing*, 5: 1-5, 2022.**
4. Buonanno, G., Ricolfi, L., Morawska, L. and Stabile, L. **“[Increasing ventilation reduces SARS-CoV-2 airborne transmission in schools: a retrospective cohort study in Italy’s Marche region](#)”. *Frontiers in Public Health*, 10: 1087087, 2022.**
5. Lazarus, J.V., and The COVID-19 Consensus Statement Panel inc. Morawska, L. **“[A multinational Delphi consensus to end the COVID-19 public health threat](#)”. *Nature*, 611: 332-345, 2022. *The paper was accessed over 186,000 times and has an Altmetric score of 5360, making it number 630 of over 22.6 million outputs, and is part of the top 0.1% of all research output ever tracked.***
6. Morawska, L., Marks, G.B., Monty, J. **“[Healthy indoor air is our fundamental need: the time to act on this is now](#)”. *Medical Journal of Australia*, 217(11): 578-581, 2022.**
7. Kyu, H. and **GBD 2019 LRI Collaborators** inc. Morawska, L. **“[Age-sex differences in the global burden of lower respiratory infections and risk factors: results from the Global Burden of Disease Study 2019](#)”. *The Lancet*, 22: 1626-1647, 2022.**
8. Morawska, L., Buonanno, G., Mikszewski, A. And Stabile, L. **“[The physics of respiratory particle generation, fate in the air, and inhalation](#)”. *Nature Physics Reviews*, 4: 723-734, 2022.**
9. Zhou, L., Yao, M., Zhang, X., Hu, B., Li, X., Chen, H., Zhang, L., Liu, Y., Du, M., Sun, B., Jiang, Y., Zhou, K., Hong, J., Yu, N., Ding, Z., Xu, Y., Hu, M., Morawska, L., Grinshpun, A., Biswas, P., Flagan, R.C., Zhu, B., Liu, W. and Zhang, Y. **“[Detection of SARS-CoV-2 in Exhaled Breath from COVID-19 Patients Ready for Hospital Discharge](#)”. *PrePrint medRxiv*, 2022.**
10. van Beest, M., Arpino, F., Hlinka, O., Sauret, E., van Beest, N., Humphries, R.S., Buonanno, G., Morawska, L., Governatori, G. and Motta, N. **“[Influence of Indoor Airflow on Particle Spread of a Single Breath and Cough in Enclosures: Does Opening a Window Really ‘Help’?](#)” *Atmospheric Pollution Research*, 13(7): 101473, 2022.**
11. Jimenez, J.L., Marr, L.C., Randal, K., Ewing, E.T., Tufekci, Z., Greenhalgh, T., Tellier, R., Tang, J., Li, Y., Morawska, L., Mesiano-Crookston, J., Fisman, D., Hegarty, O., Dancer, S.J., Bluysen, P.M., Buonanno, G., Loomans, M., Bahnfleth, W., Yao, M., Sekhar, C., Wargocki, P. Melikov, A.K. and Prather, K. **“[What Were the Historical Reasons for the Resistance to Recognizing Airborne Transmission during the COVID-19 Pandemic?](#)” *Indoor Air*, 32: e13070, 2022.**
12. Bertone, M., Mikszewski, A., Stable, L., Riccio, G., Cortellessa, G., d’Ambrosio, F.R., Papa, V., Morawska, L. and Buonanno, G. **“[Assessment of SARS-CoV-2 airborne infection transmission risk in Public Buses](#)”. *Geosciences Frontiers*, 101398, 2022.**
13. Arpino, F., Grossi, G., Cortellessa, G., Mikszewski, A., Morawska, L., Buonanno, G. and Stabile, L. **“[Risk of SARS-CoV-2 in a car cabin assessed through 3D CFD simulations](#)”. *Indoor Air*, 32: e13012, 2022.**
14. Mikszewski, A., Stabile, L., Buonanno, G. and Morawska, L. **“[Increased Close Proximity Airborne Transmission of the SARS-CoV-2 Delta Variant](#)”. *Science of the Total Environment*, 816: 151499, 2022.**
15. Buonanno, G., Robotto, A., Brizio, E., Morawska, L., Civra, A., Corino, F., Lembo, D., Ficco, G. and Stabile, L. **“[Link between SARS-CoV-2 emissions and airborne concentrations: closing the gap in understanding](#)”. *Journal of Hazardous Materials*, 428: 128279, 2022.**

16. Peng, Z., Rojas, A.L.P., Kropff, E., Bahnfleth, W., Buonanno, G., Dancer, S.J., Kurnitski, J., Li, Y., Loomans, M., Marr, L., Morawska, L., Nazaroff, W., Noakes, C.J., Querol, X., Sekhar, S.C., Tellier, R., Greenhalgh, T., Bourouiba, L., Boerstra, A., Tang, J.W., Miller, S. and Jimenez, J. "[Practical Indicators for Risk of Airborne Transmission in Shared Indoor Environments and their Application to COVID-19 Outbreaks](#)". *Environmental Science & Technology*, 56: 1125-1137, 2022. ***In the first week of its publication, the Altmetric score was the highest ever for any article published in ES&T out of 18,394 outputs. It is also the 2nd "most read" article in the month of January 2022 the 4th most read article from the previous 12 months (13/01/2022)***
17. Niazi, S., Short, K.R., Groth, R., Cravigan, L., Spann, K., Ristovski, Z.D. "[Humidity-Dependent Survival of an Airborne Influenza A Virus: Practical Implications for Controlling Airborne Viruses](#)". *Environmental Science & Technology Letters*, 8(5): 412-418, 2021.
18. Groth, R. Cravigan, L.T., Niazi, S., Ristovski, Z.D. and Johnson, G.R. "[In situ measurements of human cough aerosol hygroscopicity](#)". *Journal of the Royal Society Interface*, 18(178): 20210209, 2021.
19. Fan, Z., Holmes, D.W., Sauret, E., Islam, M.S., Saha, S.C., Ristovski, Z.D. and Gu, Y.T. "[A multiscale modeling method incorporating spatial coupling and temporal coupling into transient simulations of the human airways](#)". *International Journal for Numerical Methods in Fluids*, 93(9): 2905-2920, 2021.
20. Mikszewski, A., Stabile, L., Buonanno, G. and Morawska, L. "[The Vaccination Threshold for SARS-CoV-2 Depends on the Indoor Setting and Room Ventilation](#)". *BMC Infectious Diseases*, 21: 1193, 2021.
21. Brass, A., Shoubridge, A., Crotty, M., Morawska, L., Bell, S.C., Qiao, M, Woodman, R.J., Whitehead, C., Inacio, M.C., Miller, C. Corlis, M., Larby, N., Elms, L., Sims, S.K., Taylor, S.T., Flynn, E., Papanicolas, L.E. and Rogers, G.B. "[Prevention of SARS-CoV-2 \(COVID-19\) transmission in residential aged care using ultraviolet light \(PETRA\): a two-arm crossover randomised controlled trial protocol](#)". *BMC Infectious Diseases*, 21: 967, 2021.
22. Kurnitski, J., Kiil, M., Wargocki, P., Boerstra, A., Seppänen, O., Olesen, B. and Morawska, L. "[Respiratory infection risk-based model for estimating ventilation rates](#)". *Building and Environment*, 206: 108387, 2021.
23. Koivisto, A.J., Jayjock, M., Hämeri, K.J., Kulmala, M., Van Sprang, Yu, M., Boor, B.E., Hussein, T., Koponen, I.K., Löndahl, J., Morawska, L., Little, J.C. and Arnold, S. "[Evaluating the Theoretical Background of STOFFENMANAGER® and the Advanced REACH Tool](#)". *Annals of Work Exposures and Health*, wxab057, 2021.
24. Mikszewski, A., Stabile, L., Buonanno, G. and Morawska, L. "[The Airborne Contagiousness of Respiratory Viruses: A Comparative Analysis and Implications for Mitigation](#)". *Special Issue of Geoscience Frontiers on COVID-19*, 101285: 2021.
25. Kumar, P., Omidvarborna, H., Tiwari, A. and Morawska, L. "[The nexus between in-car aerosol concentrations, ventilation and the risk of respiratory infection](#)". *Environment International*, 157: 106814, 2021.
26. Cortellessa, L., Stabile, L., Aripino, F., Faleiros, D.E., van den Bos, W., Morawska, L. and Buonanno, G. "[Close proximity risk assessment for SARS-CoV-2 infection](#)". *Science of the Total Environment*, 794: 148749, 2021.
27. Senarathna, M., Jayaratne, E.R., Morawska, L., Guo, Y., Knibbs, L.D., Bui, D., Abeysundara, S., Weerasooriya, R. and Bowatte, G. "[Impact of COVID-19 lockdown on air quality of Sri Lankan cities](#)". *International Journal of Environmental Pollution and Remediation*, 9: 12-21, 2021
28. Xing, X., Xiong, Y., Yang, R., Wang, R., Wang, W., Kan, H., Lu, T., Li, D., Cao, J., Peñuelas, J., Ciais, P., Bauer, N., Boucher, O., Balkanski, Y., Hauglustaine, D., Brasseur, G., Morawska, L., Janssens, I.A., Wang, X., Sardans, J., Wang, Y., Deng, Y., Wang, L., Chen, J., Tang, X. and Zhang, R. "[Predicting the effect of confinement on the COVID-19 spread using machine learning enriched with satellite air pollution observations](#)". *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, 118(33): e2109098118, 2021
29. Andersen, Z., Hoffmann, B., Morawska, L., Adams, M., Furman, E., Yorgancioglu, A., Greenbaum, D., Neira, M., Brunekreef, B., Forastiere, F., Rice, M., Wakenhut, F., Colen, E., Boogaard, H., Gehring, U., Melén, E., Ward, B., and De Matteis, S. "[Air pollution and COVID-19 – clearing the air and charting a post-pandemic course: a joint workshop report of ERS, ISEE, HEI and WHO](#)". *European Respiratory Journal*, 58(2): 2101063, 2021.
30. Stabile, L., Pacitto, A., Mikszewski, A., Morawska, L. and Buonanno, G. "[Ventilation procedures to minimize the airborne transmission of viruses at schools](#)". *Building and Environment*, 202: 108042, 2021.
31. Morawska, L., Allen, J., Bahnfleth, W., Bluyssen, P.M., Boerstra, A., Buonanno, G., Cao, J., Dancer, S.J., Floto, A., Franchimon, F., Greenhalgh, T., Haworth, C., Hogeling, J., Isaxon, C., Jimenez, J.L., Kurnitski, J., Li, Y., Loomans, M., Marks, G.B., Marr, L.C. Mazzearella, L., Melikov, A.K., Miller, S., Milton, D.K., Nazaroff, W., Nielsen, P.V., Noakes, C., Peccia, J., Prather, K., Querol, X.,

- Sekhar, S., Seppänen, O., Tanabe, S., Tang, J.W., Tellier, R., Tham, K.W., Wargocki, P., Wierzbicka, A. and Yao, M. "[A paradigm shift to combat indoor respiratory infection](#)". *Science*, 372(6543): 689-691, 2021. ***In the top 5% of all research outputs scored by Altmetric (14/05/2021).***
32. Morawska, L. and Buonanno, G. "[The physics of particle formation and deposition during breathing](#)". *Nature Reviews Physics*, 3: 300-301, 2021.
 33. Niazi, S., Groth, R., Cravigan, L., He, C., Tang, J. W., Spann, K., and Johnson, G. R. "[Susceptibility of an Airborne Common Cold Virus to Relative Humidity](#)". *Environmental Science & Technology*, 55(1): 499-508, 2021.
 34. Tang, J.W., Bahnfleth, W.P., Bluysen, P.M., Buonanno, G., Jimenez, J.L., Kurnitski, J., Li, Y., Miller, S., Sekhar, C., Morawska, L., Marr, L.C., Melikov, A.K., Nazaroff, W.W., Nielsen, P.V., Tellier, R., Wargocki, P. and Dancer, J.J., "[Dismantling myths on the airborne transmission of severe acute respiratory syndrome coronavirus-2 \(SARS-CoV-2\)](#)". *Journal of Hospital Infection*, 110: 89-96, 2021. ***This paper is ranked in the top 5% of all research outputs scored by Altmetric (14/01/2022).***
 35. Torkmahalleh, M.A., Akhmetvaliyeva, Z., Omran, A.D., Omran, F.D., Kazemitabar, M., Naseri, M., Naseri, M., Sharifi, H., Malekipirbazari, M., Adotey, E.K., Gorjinezhad, S., Eghtesadi, N., Sabanov, S., Alastuey, A., de Fátima Andrade, M., Buonanno, G., Carbone, S., Cárdenas-Fuentes, D.E., Cassee, F.R., Dai, Q., Henríquez, A., Hopke, P.K., Keronen, P., Khwaja, H.A., Kim, J., Kulmala, M., Kumar, P., Kushta, J., Kuula, J., Massagué, J., Mitchell, T., Mooibroek, D., Morawska, L., Niemi, J.V., Ngagine, S.H., Norman, M., Oyama, B., Oyola, P., Öztürk, F., Petäjä, T., Querol, X., Rashidi, Y., Reyes, F., Ross-Jones, M., Salthammer, T., Savvides, C., Stabile, L., Sjöberg, K., Söderlund, K., Raman, R.S., Timonen, H., Umezawa, M., Viana, M. and Xie, S. "[Global Air Quality and COVID-19 Pandemic: Do We Breathe Cleaner Air?](#)" *Aerosol and Air Quality Research*, 21(4): 1-10, 2021.
 36. Lee-Archer, P.L., Boyd, D., Du, T., Elliott, R., Graydon, C., Paterson, N. and Morawska, L. "[A comparison of anesthetic protective barriers for the management of COVID-19 pediatric patients](#)". *Pediatric Anesthesia*, 31(3): 323-329, 2021.
 37. Zhou, L., Yao, M., Zhang, X., Hu, B., Li, X., Chen, H., Zhang, L., Liu, Y., Dy, M., Sun, B., Jiang, Y., Zhou, K., Hong, J., Yu, N., Ding, Z., Xu, Y., Hu, M., Morawska, L., Grinshpun, S.A., Biswas, P., Flanagan, R.C., Zhu, B., Liu, W., and Zhang, Y. "[Breath-, air- and surface-borne SARS-CoV-2 in hospitals](#)". *Journal of Aerosol Science*, 152: 105693, 2021.
 38. Wang, R., Xiong, Y., Xing, X., Yang, R., Li, J., Wang, Y., Cao, J., Balkanski, Y., Peñuelas, J., Ciais, P., Hauglustaine, D., Sardans, J., Chen, J., Ma, J., Xu, T., Kan, H., Zhang, Y., Oda, R., Morawska, L., Zhang, R. and Tao, S. "[Daily CO₂ emission reduction indicates the control of activities to contain COVID-19 in China](#)". *The Innovation*, 1(3): 100062, 2021.
 39. Moreno, T., Pintó, R.M., Bosch, A., Moreno, N., Alastuey, A., Minguillón, M.C., Anfruns-Estrada, E., Guix, S., Fuentes, C., Buonanno, G., Stabile, L., Morawska, L. and Querol, X. "[Tracing surface and airborne SARS-CoV-2 RNA inside public buses and subway trains](#)". *Environment International*, 147: 106326, 2020.
 40. Dancer, S.J., Tang, J.W., Marr, L.C., Miller, S., Morawska, L. and Jimenez, J.L. "[Putting a balance on the aerosolization debate around SARS-CoV-2](#)". *Journal of Hospital Infection*, 105(3): 569-570, 2020.
 41. Miller, S.L., Nazaroff, W.W., Jimenez, J.L., Boerstra, A., Buonanno, G., Dancer, S.J., Kurnitski, J., Marr, L.C., Morawska, L. and Noakes, C. "[Transmission of SARS-CoV-2 by inhalation of respiratory aerosol in the Skagit Valley Chorale superspreading event](#)". *Indoor Air*, 31(2): 314-232, 2020. ***Top cited article for 2020-2021 in Indoor Air (4/04/2022).***
 42. Buonanno, G., Morawska, L. and Stabile, L. "[Quantitative assessment of the risk of airborne transmission of SARS-CoV-2 infection: prospective and retrospective applications](#)". *Environment International*, 145: 106112, 2020.
 43. Ma, J., Qi, X., Chen, H., Li, X., Zhang, Z., Wang, H., Sun, L., Zhang, L., Guo, J., Morawska, L., Grinshpun, S.A., Biswas, P., Flagan, R.C. and Yao, M. "[COVID-19 patients in earlier stages exhaled millions of SARS-CoV-2 per hour](#)". *Clinical Infectious Diseases*, ciaa1283, 2020.
 44. Sunjaya, A.P. and Morawska, L. "[Evidence Review and Practice Recommendation on the Material, Design and Maintenance of Cloth Masks](#)". *Disaster Medicine and Public Health Preparedness*, 14(5): e42-e46, 2020.
 45. Morawska, L. and Milton, D. "[Reply to Chagla et al., and Thomas \(re: It is Time to Address Airborne Transmission of COVID-19\)](#)". *Clinical Infectious Diseases*, ciaa1118, 2020.
 46. Morawska, L. and Milton, D. "[It is Time to Address Airborne Transmission of COVID-19](#)". *Clinical Infectious Diseases*, 71(9): 2311-2313, 2020. ***This was ranked in the top 5% of all research outputs scored by Altmetric and sits at #8 in the Top 100 Altmetric papers for 2020!***
 47. Riediker, M. and Morawska, L. "[Low exhaled breath droplet formation may explain why children are poor SARS-CoV-2 transmitters](#)". *Aerosol and Air Quality Research*, 20(7): 1513-1515, 2020.

48. Morawska, L., Tang, J., Bahnfleth, W., Bluyssen, P.M., Boerstra, A., Buonanno, G., Cao, J., Dancer, S., Floto, A., Franchimon, F., Haworth, C., Hogeling, J., Isaxon, C., Jimenez, J.L., Kurnitski, J., Li, Y., Loomans, M., Marks, G., Marr, L.C., Mazzarella, L., Melikov, A.K., Miller, S., Milton, D., Nazaroff, W., Nielsen, P.V., Noakes, C., Peccia, J., Querol, X., Sekhar, C., Seppänen, O., Tanabe, S., Tellier, R., Tham, K.W., Wargocki, P., Wierzbicka, A. and Yao, M. [“How can airborne transmission of COVID-19 indoors be minimised?”](#). *Environment International*, 142: 105832, 2020. **Paper ranked in the top 5% of all research outputs scored by Altmetric (14/01/2022).**
49. Buonanno, G., Stabile, L. and Morawska, L. [“Estimation of airborne viral emission: Quanta emission rate of SARS-CoV-2 for infection risk assessment”](#). *Environment International*, 141: 105794, 2020.
50. Morawska, L. and Cao, J. [“Airborne transmission of SARS-CoV-2: the world should face the reality”](#). *Environment International*, 139: 105730, 2020. **This was the most downloaded Environment International article for the month of May 2020. This paper is also ranked in the top 5% of all research outputs scored by Altmetric (14/01/2022).**
51. Kumar, P. and Morawska, L. [“Could fighting airborne transmission be the next line of defence against COVID-19 spread?”](#). *City and Environment Interactions*, 4: 100033, 2019.
52. Huang, W. and Morawska, L. [“Face masks could raise pollution risks”](#). *Nature Comment*, 574: 29-30, 2019.
53. Stockwell, R., Wood, M., Kidd, T., Johnson, G.R., Knibbs, L.D., Morawska, L., Wainwright, C. and Bell, S.C. [“P174 High aerosol production of potentially infectious cough aerosols in people with cystic fibrosis during coughing”](#). *Journal of Cystic Fibrosis*, 18(1): S106-S107, 2019.
54. Stockwell, R.E., Ballard, E.L., O'Rourke, P., Knibbs, L.D., Morawska, L. and Bell, C. [“Indoor hospital air and the impact of ventilation on bioaerosols: a systematic review”](#). *Journal of Hospital Infection*, 103: 175-184, 2019.
55. Stockwell, R.E., Chin, M., Johnson, G.R., Wood, M.E., Sherrard, L.J., Ballard, E., O'Rourke, P., Ramsay, K.A., Kidd, T.J., Jabbour, N., Thomson, R.M., Knibbs, L.D., Morawska, L. and Bell, S.C. [“Transmission of bacteria in bronchiectasis and chronic obstructive pulmonary disease: low burden of cough aerosols”](#). *Respirology*, 24(10): 980-987, 2019.
56. Wood, M., Stockwell, R.E., Johnson, G.R., Ramsay, K.A., Sherrard, L.J., Jabbour, N., Ballard, E.L., O'Rourke, P., Kidd, T.J., Wainwright, C.E., Knibbs, L.D., Sly, P.D., Morawska, L. and Bell, S.C. [“Face Masks and Cough Etiquette Reduce the Cough Aerosol Concentration of Pseudomonas aeruginosa in People with Cystic Fibrosis”](#). *American Journal of Respiratory and Critical Care Medicine*, 197(3): 348-355, 2018.
57. Stockwell, R.E., Wood, M.E., He, C., Sherrard, L.J., Ballard, E.L., Kidd, T.J., Johnson, G.R., Knibbs, L.D., Morawska, L. and Bell, S.C. [“Face masks reduce the release of Pseudomonas aeruginosa cough aerosols when worn for clinically relevant time periods”](#). *American Journal of Respiratory and Critical Care Medicine*, 198(10), 1339-1342, 2018.
58. Wood, M., Stockwell, R.E., Johnson, G.R., Ramsay, K.A., Sherrard, L.J., Kidd, T.J., Cheney, J., Ballard, E.L., O'Rourke, P., Jabbour, N., Wainwright, C.E., Knibbs, L.D., Sly, P.D., Morawska, L. and Bell, S.C. [“Cystic fibrosis pathogens survive for extended periods within cough generated droplet nuclei”](#). *Thorax: thoraxjnl-2018*. Published Online Only, 2018.
59. Vijaysegaran, P., Knibbs, L.D., Morawska, L. and Crawford, R.W. [“Surgical space suits increase particle and microbiological emission rates in a simulated surgical environment”](#). *The Journal of Arthroplasty*, 33: 1526-1529, 2018.
60. He, C., Mackay, I.M., Ramsay, K., Liang, Z., Kidd, T., Knibbs, L.D., Johnson, G., McNeale, D., Stockwell, R., Coulthard, M.G., Long, D.A., Williams, T.J., Duchaine, C., Smith, N., Wainwright, C. and Morawska, L. [“Particle and Bioaerosol Characteristics in a Paediatric Intensive Care Unit”](#). *Environmental International*, 107: 89-99, 2017.
61. Pereira, M.L., Knibbs, L.D., He, C., Grzybowski, P., Johnson, G.R., Huffman, J.A., Bell, S.C., Wainwright, C.E., Matte, D.L., Dominski, F.H., Andrade, A. Morawska, L. [“Sources and dynamics of fluorescent particles in hospitals”](#). *Indoor Air*, 27(5): 988-1000, 2017.
62. Bryant, J.M., Grogono, D.M., Rodriguez-Rincon, D., Overall, I., Brown, K.P., Moreno, P., Verma, D., Hill, E., Drijkoningen, J., Gilligan, P., Esther, C.R., Noone, P.G., Giddings, O., Bell, S.C., Thomson, R. Wainwright, C.E., Coulter, C., Pandley, S., Wood, M.E., Stockwell, R.E., Ramsay, K.A., Sherrard, L.J., Kidd, T.E., Jabbour, N., Johnson, G.R., Knubbs, L.D., Morawska, L., Sly, P.D., Jones, A., Bilton, D., Laurenson, I., Rubby, M., Bourke, S., Bowler, I.C.J.W., Chapman, S.J., Clayton, A., Cullen, M., Dempsey, O., Denton, M., Desai, M., Drew, R.J., Edenborough, F., Evans, J., Folb, J., Daniels, T., Humphrey, H., Isalska, B., Jensen-Fangel, S., Jönsson, B., Katzenstein, T.L., Lillebaek, T., MacGregor, G., Mayell, S., Millar, M., Modha, D., Nash, E.F., O'Brien, C., O'Brien, D., Ohri, C., Pao, C.S., Peckham, D., Perrin, F., Perry, A., Pressler, T., Prtak, L., Qvist, T., Robb, A., Rodgers, H., Schaffer, K., Shafi, N., van Ingen, J., Walshaw, M., Watson, D., West, N., Whitehouse, J., Haworth, C.S., Harris, S.R., Ordway, D., Parkhill, J. and Floto, A. [“Population-level genomics identifies the emergence and global spread of a human transmissible multidrug-resistant nontuberculous mycobacterium”](#). *Science*, 354(6313): 751-757, 2016.
63. Johnson, G., Knibbs, L.D., Kidd, T.J., Wainwright, C., Wood, C.E., Ramsay, K.A., Bell, S. and Morawska, L. [“A novel method and its application to measuring pathogen decay in bioaerosols from patients with respiratory disease”](#). *PLoS One*, 11(7): e0158763. doi:10.1371/journal.pone.0158763, 2016.

64. Beggs, C., Knibbs, L.D., Johnson, G.R. and Morawska, L. "[Environmental contamination and hospital acquired infection: factors that are easily overlooked](#)". *Indoor Air*, 25(5): 462-474, 2015.
65. Knibbs, L.D., Johnson, G.R., Kidd, T., Cheney, J., Grimwood, K., Kattenbelt, J., O'Rourke, P., Ramsay, K., Sly, P., Wainwright, C., Wood, M., Morawska, L. and Bell, S. "[Viability of Pseudomonas Aeruginosa in Cough Aerosols Generated by persons with Cystic Fibrosis](#)". *Thorax*, 69: 740-745, 2014.
66. Knibbs, L.D., Morawska, L. and Bell, S. "[The risk of airborne influenza transmission in passenger cars](#)". *Epidemiology and Infection*, 140: 474-478, 2012.
67. Knibbs, L.D., Morawska, L., Bell, S. and Grzybowski, P. "[Room ventilation and the risk of airborne infection transmission in three health care settings within a large teaching hospital](#)". *American Journal of Infection Control*, 39: 866-872, 2011.
68. Johnson, G.R., Morawska, L., Ristovski, Z.D., Hargreaves, M., Mengersen, K., Chao, C., Wan, M.P., Li, Y., Xie, X., Katoshevski, D. and Corbett, S. "[Modality of human expired aerosol size distributions](#)". *Journal of Aerosol Science*, 42: 839-851, 2011.
69. Johnson, G.R. and Morawska, L. "[The Mechanism of Breath Aerosol Formation](#)". *Journal of Aerosol Medicine and Pulmonary Drug Delivery*, 22: 229-237, 2009. **Selected as an 'Editors Pick' in the 22nd Issue of the Journal.**
70. Morawska, L., Johnson, G.R., Ristovski, Z.D., Hargreaves, M., Mengersen, K., Corbett, S., Chao, C.Y.H., Li, Y. and Katoshevski, D. "[Size distribution and sites of origin of droplets expelled during expiratory activities](#)". *Journal of Aerosol Science*, 40: 256-269, 2009.
71. Chao, C., Wan, M.P., Morawska, L., Johnson, G.R., Ristovski, Z.D., Hargreaves, M., Mengersen, K., Corbett, S., Li, Y., Xie, X. and Katoshevski, D. "[Characterization of expiration air jets and droplet size distributions immediately at the mouth opening](#)". *Journal of Aerosol Science*, 40: 122-133, 2009. **One of JAS' most cited journal articles since 2008, with the majority of citations in 2011-2012 – 21 times in 2011 and 17 times in 2012.**
72. Wainwright, C., France, M., O'Rourke, P., Anuj, S., Kidd, T., Nissen, M., Sloots, T., Coulter, C., Ristovski, Z.D., Hargreaves, M., Rose, B., Harbour, C., Bell, S. and Fennelly, K. "[Cough-generated Aerosols of Pseudomonas aeruginosa and other Bacteria from Cystic Fibrosis Patients](#)". *Thorax*, 64: 926-931, 2009.
73. Morawska, L. "[Droplet Fate in Indoor Environments, Or Can We Prevent the Spread of Infection](#)". *Indoor Air*, 16(5): 335-347, 2006.
74. Agranovski, V., Agranovski, I., Safatov, A., Borodulin, A., Pyankov, O., Petrischenko, V., Sergeev, A., Sergeev, A. and Grinshpun, S. "[New Personal Sampler for Viable Airborne Viruses: Feasibility Study](#)". *Journal of Aerosol Science*, 36(5-6): 609-617, 2005.
75. Agranovski, V., and Ristovski, Z.D. "[Real-time monitoring of viable bioaerosols: Capability of the UVAPS to predict the amount of individual microorganisms in aerosol particles](#)". *Journal of Aerosol Science*, 36(5-6): 665-676, 2005.
76. Agranovski, I., Safatov, A., Borodulin, A., Pyankov, O., Petrishchenko, V., Sergeev, A., Agafonov, A., Ignatiev, G., Sergeev, A. and Agranovski, V. "[Inactivation of viruses in bubbling processes utilized for personal bioaerosol monitoring](#)". *Applied and Environmental Microbiology*, 70(12): 6963-6967, 2004.
77. Agranovski, I., Safatov, A., Pyankov, O., Sergeev, A., Agafonov, A., Ignatiev, G., Ryabchikova, E., Borodulin, A., Sergeev, A., Doerr, H., Holger, H., Rabenau, F. and Agranovski, V. "[Monitoring of viable airborne SARS virus in ambient air](#)". *Atmospheric Environment*, 38(23): 3879-3884, 2004.
78. Agranovski, V., Ristovski, Z.D., Hargreaves, M., Blackall, P.J. and Morawska, L. "[Performance evaluation of the UVAPS: Sensitivity to physiological age of airborne bacteria and effect of bacterial stress](#)". *Journal of Aerosol Science*, 34(12): 1711-1727, 2003.
79. Agranovski, I., Agranovski, V., Grinshpun, S.A., Reponen, T., and Willeke, K. "[Collection of airborne microorganisms into liquid by bubbling through porous medium](#)". *Aerosol Science & Technology*, 36: 502-509, 2002.
80. Agranovski, I., Agranovski, V., Reponen, T., Willeke, K. and Grinshpun, S. A. "[Development and evaluation of a new personal sampler for culturable airborne microorganisms](#)". *Atmospheric Environment*, 36: 889-898, 2002.

Editorial Articles, Other Professional Publications:

1. Morawska, L. and Marks, G.B. "[Ventilation reduces the risk of infection: why are we still ignoring it?](#)" *The Conversation*, published online 1 December 2022.
2. Milton, D.K., Reid, J.P., Marr, L., Morawska, L., Tellier, R., Haddrell, A.E., Amaro, R.E., Bourouiba, L., Davidson, A.D., Greenhalgh, T., Jimenez, J., Prather, K.A. and Oswin, H.P. "[A Consensus Statement on SARS-CoV-2 Aerosol Dynamics](#)", *OSF PrePrints Consensus Statement*, 2022.
3. Morawska, L. "[Pandemic Preparedness – No jobs on a dead planet, no jobs in a sick society](#)". *Australian Fabians Review*, 3: 1-6, 2022.
4. Morawska, L. "[Improving indoor ventilation: an overlooked COVID infection control strategy](#)". *Croakey*, 26 July 2021.

- Morawska, L. "[Australia must get serious about airborne infection transmission. Here's what we need to do](#)". The Conversation, 26 July 2021. **Top read article for the month of July, with 54,864 reads as at the end of July 2021.**
- Morawska, L. and Marks, G.B. "[More testing and surveillance needed for COVID-19](#)". Croaky, 24 March 2020.
- Kidd, T.J., Knibbs, L.D., Johnson, G.R., Kattenbelt, J. A., Ramsay, K. A., Wood, M., Beevers, A., O'Rourke, P. K., Wainwright, C. E., Grimwood, K., Sly, P., Morawska, L. and Bell, S. C. "[Viability of Pseudomonas Aeruginosa \(Pa\) in cough aerosols from adult cystic fibrosis \(CF\) patients](#)". *Respirology*, 18(S2): 13-13, 2013.

Reports:

- Allen, J.G., Cao, X., Cadet, L.R., Chen, Y., Corsi, R., Grier, K., Levinson, M., Li, Y., Macomber, J., Marr, L., Michaels, D., Miller, S., Morawska, L., Munro, A., Pollock, N., Rainbolt, M., Azimi, P., Keshavarz, Z. and Jones, E. "[Proposed Non-infectious Air Delivery Rates \(NADR\) for Reducing Exposure to Airborne Respiratory Infectious Diseases](#)". The Lancet COVID-19 Commission, Task Force on Safe Work, Safe School, and Safe Travel, November 2022.
- Allen, J.G., Jones, E., Rainbolt, M.V., Marr, L.C., Michaels, D., Cadet, L.R., Miller, S.L., Levinson, M., Morawska, L., Corsi, R.L., Pollock, N.R., Li, Y., Munro, A.P.S., Grier, K., Chen, Q., Macomber, J.D. and Cao, X. "[The First Four Healthy Building Strategies Every Building Should Pursue to Reduce Risk from COVID-19](#)". The Lancet COVID-19 Commission, Task Force on Safe Work, Safe School, and Safe Travel, July 2022.
- Baxter, N., Crabb, B., Cole, K. Davidson, A., Pulver, L.J., Flanagan, A. Kelly, G., Lokuge, K., Marks, G.B., Monty, J., McEniery, J., McLean, K., McAlpine, K., Morawska, L., Phelps, K. Schofield, R., Powers, K., Seale, H., and Veness, B., "[Protecting children from COVID-19 and making schools and childcare safer](#)". OzSAGE, 1 October 2021.
- Crabb, B., Doolan, C., Cole, K., Hanmer, G., Marks, G.B., Miller, A., Monty, J., Morawska, L. and De Silva, C. "[Safe Indoor Air \(Ventilation\) Recommendations](#)". OzSAGE, 6 September 2021.
- Corsi, R., Miller, S.L., VanRy, M.G., Marr, L.C., Cadet, L.R., Pollock, N.R., Michaels, D., Jones, E.R., Levinson, M., Li, Y., Morawska, L., Macomber, J. and Allen, J.G. "[Designing infectious disease resilience into school buildings through improvements to ventilation and air cleaning](#)". The Lancet COVID-19 Commission, Task Force on Safe Work, Safe School, and Safe Travel, April 2021.
- Allen, J.G., Cadet, L.R., Cao, X., Chen, Q., Corsi, R., Jones, E.R., Levinson, M., Li, Y., Macomber, J., Michaels, D. Morawska, L., Munro, A., Pollock, N.R., VanRy, M. and Miller, S.L. "[Building-related risk factors are a critical, but missing, component of SARS-CoV-2 outbreak investigations](#)". The Lancet COVID-19 Commission, Task Force on Safe Work, Safe School, and Safe Travel. March 2021.

Full Conference Papers:

- Pereira, M.L., Vilain, R., Tribess, A. and Morawska, L. "**Risk assessment for airborne infectious diseases between natural ventilation and split-system air conditioner in a university classroom**". *Proceedings of the 23rd ABCM International Congress of Mechanical Engineering (COBEM2015)*, Rio de Janeiro, Brazil, 6-11 December 2015, pp. 1-5.

Conference Abstract/Items:

- Morawska, L. and Huang, W. "**Factors contributing to limited progress in IAQ management and how to change it: a review. Indoor Air 2022 Conference**", 17th International Conference of the International Society of Indoor Air Quality & Climate, Kuopio, Finland, 12-16 June 2022.
- Peng, Z., Pineda, A., Kropff, E., Bahnfleth, W., Buonanno, G., Dancer, S., Kurnitski, J., Li, Y., Loomans, M., Marr, L.C., Morawska, L., Nazaroff, W.W., Noakes, C., Querol, Q., Sekhar, C., Tellier, R., Greenhalgh, T., Bourouiba, L., Boestra, A., Tang, J., Miller, S. and Jimenez, J. "**COVID-19 indoor airborne transmission risk estimation based on practical risk indicators or CO₂ level**". AGU Fall Meeting 2021, New Orleans, USA, 13-17 December 2021.
- Stockwell, R., Wood, M., Kidd, T., Johnson, G.R., Knibbs, L.D., Morawska, L., Wainwright, C. and Bell, S.C. "**High aerosol production of potentially infectious cough aerosols in people with CF during coughing**". 42nd European Cystic Fibrosis Conference, Liverpool, United Kingdom, 5-8 June 2019.
- Stockwell, R.E., Wood, M.E., He, C., Sherrard, L.J., Ballard, E.L., Kidd, T.J., Johnson, G.R., Knibbs, L.D., Morawska, L. and Bell, S.C. "**Prolonged wear of face masks prevent the release of Pseudomonas aeruginosa during coughing in people with cystic fibrosis**". 32nd North American Cystic Fibrosis Conference, Phoenix Arizona, USA, 18-20 October 2018.

6. Jabbour, N., Stockwell, R.E., Wood, M.E., Sherrard, L.J., Ramsay, K.A., Knibbs, L.D., Kidd, T.J., Wainwright, C.E., Bell, S.B. and Morawska, L. **"Biological decay of cough generated *Pseudomonas aeruginosa* aerosols in the TARDIS"**. European Aerosol Conference 2017, Zürich, Switzerland, 27 August – 1 September 2017.
7. Wood, M., Stockwell, R.E., Johnson, G.R., Ramsay, K.A., Sherrard, L.J., Jabbour, N., Ballard, E.L., O'Rourke, P., Kidd, T.J., Wainwright, C.E., Knibbs, L.D., Sly, P.D., Morawska, L. and Bell, S.C. **"Face Masks and Cough Etiquette Reduce Airborne Transfer of Cough Generated *Pseudomonas aeruginosa* in Patients with Cystic Fibrosis"**. 30th Annual North American Cystic Fibrosis Conference, Orlando, Florida, USA, 27-29 October 2016.
8. Morawska, L., Johnson, G.R., Knibbs, L.D., Kidd, T.K., Cheney, J., Grimwood, K., Kattenbelt, J.A., O'Rourke, P.K., Ramsay, K.A., Sly, P.D., Wainwright, C.E., Wood, M.E. and Bell, S.C. **"Broadening the Perspective on the Airborne Transmission of Respiratory Infection"**, European Aerosol Conference 2015, Milan, Italy, 6-11 September 2015.
9. Kidd, T.J., Knibbs, L.D., Johnson, G.R., Kattenbelt, J. A., Ramsay, K. A., Wood, M., Beevers, A., O'Rourke, P. K., Wainwright, C. E., Grimwood, K., Sly, P., Morawska, L., Bell, S. C. **"Viability of *Pseudomonas Aeruginosa* (Pa) in cough aerosols from adult cystic fibrosis (CF) patients"**. Thoracic Society of Australia and New Zealand ASM, Darwin, Australia, 2012.