

## Charles J. Weschler Publications

h-index: 79 (Web of Science)/ 89 (Google Scholar)

Over 20,000 citations (Web of Science)/ over 28,000 citations (Google Scholar)

### ARTICLES IN PEER-REVIEWED JOURNALS (\*corresponding author)

1. He, L.; Hao, Z.; Weschler, C. J.; Li, F.; Zhang, Y.; Zhang, J. J., Indoor ozone reaction products: Contributors to the respiratory health effects associated with low-level outdoor ozone. *Atmospheric Environment* 2025, 340, 120920. doi: 10.1016/j.atmosenv.2024.120920
2. Yang, K.; Liu, N.; Weschler, C. J.; Weschler, L. B.; Mo, J.; Xu, Y.; Wei, J.; Wang, Y.; Zhao, Z.; Kan, H.; Zhang, Y., Maximizing the net economic benefits of regulating indoor air quality in China. *Sustainable Cities and Society* 2024, 105938. doi: 10.1016/j.scs.2024.105938
3. Nazaroff, W. W.; Weschler, C. J., Methanol and Ethanol in Indoor Environments. *Indoor Environments*, 2024, 100049. doi: 10.1016/j.indenv.2024.100049
4. He, L.; Weschler, C.J.; Morrison, G.; Li, F.; Zhang, Y.; Bergin, M.H.; Black, M.; Zhang, J.J. Synergistic Effects of Ozone Reaction Products and Fine Particulate Matter on Respiratory Pathophysiology in Children with Asthma. *ACS ES&T Air*; 2024 doi: 10.1021/acsestair.4c00080
5. Langer, S.; Weschler, C.J.; Beko, G.; Morrison, G.; Sjoblom, A.; Giovanoulis, G.; Wargocki, P.; Wang, N.; Zannoni, N.; Yang, S.; Williams, J. Squalene Depletion in Skin Following Human Exposure to Ozone under Controlled Chamber Conditions. *Environmental Science & Technology*. 58:6693-6703; 2024 doi: 10.1021/acs.est.3c09394
6. Nassikas, N.J.; McCormack, M.C.; Ewart, G.; Balmes, J.R.; Bond, T.C.; Brigham, E.; Cromar, K.; Goldstein, A.H.; Hicks, A.; Hopke, P.K.; Meyer, B.; Nazaroff, W.W.; Paulin, L.M.; Rice, M.B.; Thurston, G.D.; Turpin, B.J.; Vance, M.E.; Weschler, C.J.; Zhang, J.; Kipen, H.M.; American Thoracic Soc Assembly, E. Indoor Air Sources of Outdoor Air Pollution: Health Consequences, Policy, and Recommendations An Official American Thoracic Society Workshop Report. *Annals of the American Thoracic Society*. 21:365-376; 2024 doi: 10.1513/AnnalsATS.202312-1067ST
7. Weschler, C.J., Nazaroff, W.W., 2023. Ozone Loss: A Surrogate for the Indoor Concentration of Ozone-Derived Products. *Environmental Science & Technology*, 57, 13569-13578, 2023 doi: 10.1021/acs.est.3c03968
8. Qu, Y., Zou, Z., Weschler, C.J., Liu, Y., Yang, X., 2023. Quantifying Ozone-Dependent Emissions of Volatile Organic Compounds from the Human Body. *Environmental Science & Technology*, 57,13104-13113, 2023 doi: 10.1021/acs.est.3c02340
9. Ernle, L., Wang, N., Beko, G., Morrison, G., Wargocki, P., Weschler, C.J., Williams, J., 2023. Assessment of aldehyde contributions to PTR-MS m/z 69.07 in indoor air measurements. *Environmental Sciences: Atmospheres*, 3, 1286-1295, 2023 doi: 10.1039/d3ea00055a
10. Weschler, C.J. and Nazaroff, W.W., Human skin oil: a major ozone reactant indoors, *Environmental Sciences: Atmospheres*, 3, 640-661, 2023 doi: 10.1039/D3EA00008G
11. He, L.; Weschler, C. J.; Zhang, Y.; Li, F.; Bergin, M. H.; Black, M.; Zhang, J. J., Ozone reaction products associated with biomarkers of cardiorespiratory pathophysiology. *American Journal of Respiratory and Critical Care Medicine*, 207, 1243-1246, 2023 doi: 10.1164/rccm.202212-2203LE.
12. Zannoni, N.; Lakey, P. S. J.; Won, Y.; Shiraiwa, M.; Rim, D.; Weschler, C. J.; Wang, N.; Ernle, L.; Li, M.; Beko, G.; Wargocki, P.; Williams, J., The human oxidation field. *Science* , 377, 1071-1076, 2022. doi: 10.1126/science.abn0340
13. Abbatt, J.P.D.; Morrison, G.C.; Grassian, V.H.; Shiraiwa, M.; Weschler, C.J.; Ziemann, P.J., How should we define an indoor surface? *Indoor Air*, 32, e12955, 2022. doi:10.1111/ina.12955
14. Nazaroff, W.W. and Weschler, C.J., Indoor ozone: concentrations and influencing factors. *Indoor Air*, 32, e12942, 2022 doi: 10.1111/ina.12942
15. Yang, S.; Licina, D.; Weschler, C.J.; Wang, N.; Zannoni, N.; Li, M.; Vanhanen, J.; Langer, S.; Wargocki, P.; Williams, J.; Bekö, G., Ozone initiates human-derived emission of nanocluster

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16. Zannoni, N.; Li, M.; Wang, N.; L. Ernle, L.; Bekö, G.; Wargocki, P.; Langer, S.; Weschler, C. J.; Morrison, G.; Williams, J., Effect of ozone, clothing, temperature, and humidity on the total OH reactivity emitted from humans. *Environmental Science & Technology*, 55, 13614-13624, 2021. doi: [10.1021/acs.est.1c01831](https://doi.org/10.1021/acs.est.1c01831)
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  19. Goldstein, A. H.; Nazaroff, W. W.; Weschler, C. J.; Williams, J., How Do Indoor Environments Affect Air Pollution Exposure? *Environmental Science & Technology*, 55, 100–108, 2021. <https://pubs.acs.org/doi/10.1021/acs.est.0c05727>
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  21. Eftekhari A., Frederiksen H., Andersson A.-M., Weschler C.J., Morrison G.C. Predicting transdermal uptake of phthalates and a paraben from cosmetic cream using the measured fugacity. *Environmental Science & Technology*, 54, 7471–7484, 2020. <https://pubs.acs.org/doi/abs/10.1021/acs.est.0c01503>
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  26. Salvador C.M., Bekö G., Weschler C.J., Morrison G., Le Breton M., Hallquist M., Ekberg L., Langer S. Indoor ozone/human chemistry and ventilation strategies. *Indoor Air*, 29, 913-925, 2019. <https://onlinelibrary.wiley.com/doi/full/10.1111/ina.12594>
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