

Kai-Chung Cheng

List of Publications by Year in descending order

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21
papers

535
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758635

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21
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727
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | PM2.5 exposure close to marijuana smoking and vaping: A case study in residential indoor and outdoor settings. <i>Science of the Total Environment</i> , 2022, 802, 149897. | 3.9 | 4 |
| 2 | Measuring indoor fine particle concentrations, emission rates, and decay rates from cannabis use in a residence. <i>Atmospheric Environment: X</i> , 2021, 10, 100106. | 0.8 | 12 |
| 3 | Method for estimating the volatility of aerosols using the piezobalance: Examples from vaping e-cigarette and marijuana liquids. <i>Atmospheric Environment</i> , 2021, 253, 118379. | 1.9 | 7 |
| 4 | Characteristics of secondhand cannabis smoke from common smoking methods: Calibration factor, emission rate, and particle removal rate. <i>Atmospheric Environment</i> , 2020, 242, 117731. | 1.9 | 15 |
| 5 | Impact of fan mixing on air pollutant exposure near indoor sources: An analytical model to connect proximity effect with energy. <i>Building and Environment</i> , 2020, 183, 107185. | 3.0 | 6 |
| 6 | Secondhand exposure from vaping marijuana: Concentrations, emissions, and exposures determined using both research-grade and low-cost monitors. <i>Atmospheric Environment: X</i> , 2020, 8, 100093. | 0.8 | 11 |
| 7 | Using Indoor Positioning and Mobile Sensing for Spatial Exposure and Environmental Characterizations: Pilot Demonstration of PM2.5 Mapping. <i>Environmental Science and Technology Letters</i> , 2019, 6, 153-158. | 3.9 | 14 |
| 8 | Effectiveness of air purifier on health outcomes and indoor particles in homes of children with allergic diseases in Fresno, California: A pilot study. <i>Journal of Asthma</i> , 2017, 54, 341-346. | 0.9 | 57 |
| 9 | Measuring Indoor Air Quality and Engaging California Indian Stakeholders at the Win-River Resort and Casino: Collaborative Smoke-Free Policy Development. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 143. | 1.2 | 9 |
| 10 | Mixing and sink effects of air purifiers on indoor PM2.5 concentrations: A pilot study of eight residential homes in Fresno, California. <i>Aerosol Science and Technology</i> , 2016, 50, 835-845. | 1.5 | 14 |
| 11 | Determining PM _{2.5} calibration curves for a low-cost particle monitor: common indoor residential aerosols. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1959-1966. | 1.7 | 57 |
| 12 | Stochastic modeling of short-term exposure close to an air pollution source in a naturally ventilated room: An autocorrelated random walk method. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014, 24, 311-318. | 1.8 | 17 |
| 13 | Outdoor fine and ultrafine particle measurements at six bus stops with smoking on two California arterial highways—Results of a pilot study. <i>Journal of the Air and Waste Management Association</i> , 2014, 64, 47-60. | 0.9 | 10 |
| 14 | Real-time particle monitor calibration factors and PM2.5 emission factors for multiple indoor sources. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1511. | 1.7 | 53 |
| 15 | Measurement of the proximity effect for indoor air pollutant sources in two homes. <i>Journal of Environmental Monitoring</i> , 2012, 14, 94-104. | 2.1 | 32 |
| 16 | Determination of response of real-time SidePak AM510 monitor to secondhand smoke, other common indoor aerosols, and outdoor aerosol. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1695. | 2.1 | 79 |
| 17 | Modeling Exposure Close to Air Pollution Sources in Naturally Ventilated Residences: Association of Turbulent Diffusion Coefficient with Air Change Rate. <i>Environmental Science & Technology</i> , 2011, 45, 4016-4022. | 4.6 | 59 |
| 18 | Fine particle air pollution and secondhand smoke exposures and risks inside 66 US casinos. <i>Environmental Research</i> , 2011, 111, 473-484. | 3.7 | 37 |

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|----|--|-----|-----------|
| 19 | Measurement of fine particles and smoking activity in a statewide survey of 36 California Indian casinos. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2011, 21, 31-41. | 1.8 | 26 |
| 20 | Model-based reconstruction of the time response of electrochemical air pollutant monitors to rapidly varying concentrations. <i>Journal of Environmental Monitoring</i> , 2010, 12, 846. | 2.1 | 7 |
| 21 | Near-Infrared Spectroscopy for In Situ Monitoring of Geoenvironment. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008, 134, 487-496. | 1.5 | 9 |