

Kai-Chung Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

535
citations

758635

12
h-index

713013

21
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21
all docs

21
docs citations

21
times ranked

727
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Real-time particle monitor calibration factors and PM _{2.5} emission factors for multiple indoor sources. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1511.	1.7	53
6	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
7	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
8	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
9	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
10	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
11	Mixing and sink effects of air purifiers on indoor PM _{2.5} concentrations: A pilot study of eight residential homes in Fresno, California. <i>Aerosol Science and Technology</i> , 2016, 50, 835-845.	1.5	14
12	Using Indoor Positioning and Mobile Sensing for Spatial Exposure and Environmental Characterizations: Pilot Demonstration of PM _{2.5} Mapping. <i>Environmental Science and Technology Letters</i> , 2019, 6, 153-158.	3.9	14
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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