

Alexis Kh Lau

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

198
papers

7,348
citations

51
h-index

78
g-index

210
ext. papers

8,942
ext. citations

6.1
avg, IF

6.14
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 198 | Chronic fine particulate matter exposure, habitual exercise, and dyslipidemia: A longitudinal cohort study.. <i>Environmental Epidemiology</i> , 2022 , 6, e190 | 0.2 | 0 |
| 197 | BIM-supported sensor placement optimization based on genetic algorithm for multi-zone thermal comfort and IAQ monitoring. <i>Building and Environment</i> , 2022 , 216, 108997 | 6.5 | 0 |
| 196 | Optimized neural network for daily-scale ozone prediction based on transfer learning.. <i>Science of the Total Environment</i> , 2022 , 154279 | 10.2 | 1 |
| 195 | Impact of shaft design to thermal comfort and indoor air quality of floors using BIM technology. <i>Journal of Building Engineering</i> , 2022 , 51, 104326 | 5.2 | 0 |
| 194 | Development of a back-propagation neural network combined with an adaptive multi-objective particle swarm optimizer algorithm for predicting and optimizing indoor CO2 and PM2.5 concentrations. <i>Journal of Building Engineering</i> , 2022 , 54, 104600 | 5.2 | 0 |
| 193 | Assessment of the impact of sensor error on the representativeness of population exposure to urban air pollutants. <i>Environment International</i> , 2022 , 165, 107329 | 12.9 | 0 |
| 192 | A coupled computational fluid dynamics and back-propagation neural network-based particle swarm optimizer algorithm for predicting and optimizing indoor air quality. <i>Building and Environment</i> , 2021 , 207, 108533 | 6.5 | 3 |
| 191 | Exposure to Particles and Gases in a Shopping Mall: Spatial Heterogeneity and Outdoor Infiltration. <i>Atmosphere</i> , 2021 , 12, 1313 | 2.7 | 1 |
| 190 | Seasonality of tuberculosis in intermediate endemicity setting dominated by reactivation diseases in Hong Kong. <i>Scientific Reports</i> , 2021 , 11, 20259 | 4.9 | 1 |
| 189 | Improved Modeling of Spatiotemporal Variations of Fine Particulate Matter Using a Three-Dimensional Variational Data Fusion Method. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033599 | 4.4 | 1 |
| 188 | Mitigation of CO2 emissions from international shipping through national allocation. <i>Environmental Research Letters</i> , 2021 , 16, 045009 | 6.2 | 10 |
| 187 | Air quality and synergistic health effects of ozone and nitrogen oxides in response to China's integrated air quality control policies during 2015-2019. <i>Chemosphere</i> , 2021 , 268, 129385 | 8.4 | 5 |
| 186 | Reduced Ambient PM Was Associated with a Decreased Risk of Chronic Kidney Disease: A Longitudinal Cohort Study. <i>Environmental Science & Technology</i> , 2021 , 55, 6876-6883 | 10.3 | 5 |
| 185 | An improved decomposition method to differentiate meteorological and anthropogenic effects on air pollution: A national study in China during the COVID-19 lockdown period. <i>Atmospheric Environment</i> , 2021 , 250, 118270 | 5.3 | 6 |
| 184 | A proposed population-health based metric for evaluating representativeness of air quality monitoring in cities: Using Hong Kong as a demonstration. <i>PLoS ONE</i> , 2021 , 16, e0252290 | 3.7 | 2 |
| 183 | Associations of Reduced Ambient PM2.5 Level With Lower Plasma Glucose Concentration and Decreased Risk of Type 2 Diabetes in Adults: A Longitudinal Cohort Study. <i>American Journal of Epidemiology</i> , 2021 , 190, 2148-2157 | 3.8 | 6 |
| 182 | Source apportionment of fine secondary inorganic aerosol over the Pearl River Delta region using a hybrid method. <i>Atmospheric Pollution Research</i> , 2021 , 12, 101061 | 4.5 | 2 |

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|-----|---|------|----|
| 181 | A Multi-Dimensional Decomposition Method of the Meteorology-Driven and Emission-Driven Effects on Year-to-Year Air Quality Variations. <i>Earth and Space Science</i> , 2021 , 8, e2020EA001424 | 3.1 | |
| 180 | Effects of synoptic patterns on the vertical structure of ozone in Hong Kong using lidar measurement. <i>Atmospheric Environment</i> , 2021 , 257, 118490 | 5.3 | 1 |
| 179 | Sensitivity analysis of influence factors on multi-zone indoor airflow CFD simulation. <i>Science of the Total Environment</i> , 2021 , 761, 143298 | 10.2 | 4 |
| 178 | Effect of bromine and iodine chemistry on tropospheric ozone over Asia-Pacific using the CMAQ model. <i>Chemosphere</i> , 2021 , 262, 127595 | 8.4 | 3 |
| 177 | Factors affecting variability in gaseous and particle microenvironmental air pollutant concentrations in Hong Kong primary and secondary schools. <i>Indoor Air</i> , 2021 , 31, 170-187 | 5.4 | 7 |
| 176 | Meteorological factors and COVID-19 incidence in 190 countries: An observational study. <i>Science of the Total Environment</i> , 2021 , 757, 143783 | 10.2 | 39 |
| 175 | Combined effects of increased O and reduced NO concentrations on short-term air pollution health risks in Hong Kong. <i>Environmental Pollution</i> , 2021 , 270, 116280 | 9.3 | 12 |
| 174 | Effectiveness of non-pharmaceutical interventions on COVID-19 transmission in 190 countries from 23 January to 13 April 2020. <i>International Journal of Infectious Diseases</i> , 2021 , 102, 247-253 | 10.5 | 82 |
| 173 | Combined effects of chronic PM2.5 exposure and habitual exercise on cancer mortality: a longitudinal cohort study. <i>International Journal of Epidemiology</i> , 2021 , | 7.8 | 1 |
| 172 | Habitual exercise is associated with reduced risk of diabetes regardless of air pollution: a longitudinal cohort study. <i>Diabetologia</i> , 2021 , 64, 1298-1308 | 10.3 | 2 |
| 171 | Reducing the Influence of Environmental Factors on Performance of a Diffusion-Based Personal Exposure Kit. <i>Sensors</i> , 2021 , 21, | 3.8 | 4 |
| 170 | Combined effects of chronic PM exposure and habitual exercise on renal function and chronic kidney disease: A longitudinal cohort study. <i>International Journal of Hygiene and Environmental Health</i> , 2021 , 236, 113791 | 6.9 | 3 |
| 169 | Effects of air pollution and habitual exercise on the risk of death: a longitudinal cohort study. <i>Cmaj</i> , 2021 , 193, E1240-E1249 | 3.5 | 1 |
| 168 | Global air quality and health impacts of domestic and international shipping. <i>Environmental Research Letters</i> , 2021 , 16, 084055 | 6.2 | 3 |
| 167 | Development of a back-propagation neural network and adaptive grey wolf optimizer algorithm for thermal comfort and energy consumption prediction and optimization. <i>Energy and Buildings</i> , 2021 , 253, 111439 | 7 | 4 |
| 166 | Physical distancing implementation, ambient temperature and Covid-19 containment: An observational study in the United States. <i>Science of the Total Environment</i> , 2021 , 789, 147876 | 10.2 | 4 |
| 165 | An ensemble assessment of the effectiveness of vehicular emission control programs for air quality improvement in Hong Kong. <i>Atmospheric Environment</i> , 2021 , 262, 118571 | 5.3 | 0 |
| 164 | Reduced ambient PM better lung function, and decreased risk of chronic obstructive pulmonary disease. <i>Environment International</i> , 2021 , 156, 106706 | 12.9 | 6 |

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|-----|---|------|----|
| 163 | Removing the effects of meteorological factors on changes in nitrogen dioxide and ozone concentrations in China from 2013 to 2020. <i>Science of the Total Environment</i> , 2021 , 793, 148575 | 10.2 | 9 |
| 162 | Factors affecting variability in infiltration of ambient particle and gaseous pollutants into home at urban environment. <i>Building and Environment</i> , 2021 , 206, 108351 | 6.5 | 1 |
| 161 | Does fine particulate matter (PM) affect the benefits of habitual physical activity on lung function in adults: a longitudinal cohort study. <i>BMC Medicine</i> , 2020 , 18, 134 | 11.4 | 18 |
| 160 | Exposure and mortality apportionment of PM _{2.5} between 2006 and 2015 over the Pearl River Delta region in southern China. <i>Atmospheric Environment</i> , 2020 , 231, 117512 | 5.3 | 4 |
| 159 | Visual Interpretation of Recurrent Neural Network on Multi-dimensional Time-series Forecast 2020 , | | 5 |
| 158 | A mechanism-based parameterisation scheme to investigate the association between transmission rate of COVID-19 and meteorological factors on plains in China. <i>Science of the Total Environment</i> , 2020 , 737, 140348 | 10.2 | 37 |
| 157 | Long-term exposure to ambient fine particles and gastrointestinal cancer mortality in Taiwan: A cohort study. <i>Environment International</i> , 2020 , 138, 105640 | 12.9 | 20 |
| 156 | Observation of PM _{2.5} using a combination of satellite remote sensing and low-cost sensor network in Siberian urban areas with limited reference monitoring. <i>Atmospheric Environment</i> , 2020 , 227, 117410 | 5.3 | 19 |
| 155 | Assessing PM emissions in 2020: The impacts of integrated emission control policies in China. <i>Environmental Pollution</i> , 2020 , 263, 114575 | 9.3 | 16 |
| 154 | Source apportionment of secondary organic aerosols in the Pearl River Delta region: Contribution from the oxidation of semi-volatile and intermediate volatility primary organic aerosols. <i>Atmospheric Environment</i> , 2020 , 222, 117111 | 5.3 | 7 |
| 153 | Multi-zone indoor CFD under limited information: An approach coupling solar analysis and BIM for improved accuracy. <i>Journal of Cleaner Production</i> , 2020 , 244, 118912 | 10.3 | 9 |
| 152 | A novel framework for decomposing PM variation and demographic change effects on human exposure using satellite observations. <i>Environmental Research</i> , 2020 , 182, 109120 | 7.9 | 1 |
| 151 | PRAISE-HK: A personalized real-time air quality informatics system for citizen participation in exposure and health risk management. <i>Sustainable Cities and Society</i> , 2020 , 54, 101986 | 10.1 | 18 |
| 150 | Statistical evidence on the impact of agricultural straw burning on urban air quality in China. <i>Science of the Total Environment</i> , 2020 , 711, 134633 | 10.2 | 15 |
| 149 | The Observation and Characterisation of Fluorescent Bioaerosols Using Real-Time UV-LIF Spectrometry in Hong Kong from June to November 2018. <i>Atmosphere</i> , 2020 , 11, 944 | 2.7 | 1 |
| 148 | Independent and Opposing Associations of Habitual Exercise and Chronic PM Exposures on Hypertension Incidence. <i>Circulation</i> , 2020 , 142, 645-656 | 16.7 | 16 |
| 147 | Estimations of Long-Term nss-SO and NO Wet Depositions over East Asia by Use of Ensemble Machine-Learning Method. <i>Environmental Science & Technology</i> , 2020 , 54, 11118-11126 | 10.3 | 2 |
| 146 | New Era of Air Quality Monitoring From Space: Geostationary Environment Monitoring Spectrometer (GEMS). <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1-E22 | 6.1 | 81 |

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| 145 | Long-term exposure to ambient fine particulate matter (PM) and incident type 2 diabetes: a longitudinal cohort study. <i>Diabetologia</i> , 2019 , 62, 759-769 | 10.3 | 42 |
| 144 | Long-term exposure to ambient fine particulate matter and liver enzymes in adults: a cross-sectional study in Taiwan. <i>Occupational and Environmental Medicine</i> , 2019 , 76, 488-494 | 2.1 | 10 |
| 143 | Energy consumption, indoor thermal comfort and air quality in a commercial office with retrofitted heat, ventilation and air conditioning (HVAC) system. <i>Energy and Buildings</i> , 2019 , 201, 202-215 | 7 | 60 |
| 142 | To what extent can the below-cloud washout effect influence the PM? A combined observational and modeling study. <i>Environmental Pollution</i> , 2019 , 251, 338-343 | 9.3 | 4 |
| 141 | Differences in concentration and source apportionment of PM between 2006 and 2015 over the PRD region in southern China. <i>Science of the Total Environment</i> , 2019 , 673, 708-718 | 10.2 | 21 |
| 140 | Characterization of Aerosol Aging Potentials at Suburban Sites in Northern and Southern China Utilizing a Potential Aerosol Mass (Go:PAM) Reactor and an Aerosol Mass Spectrometer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 5629-5649 | 4.4 | 18 |
| 139 | Association of long-term exposure to fine particulate matter and incident dyslipidaemia: A longitudinal cohort study. <i>Environmental Research</i> , 2019 , 173, 359-365 | 7.9 | 5 |
| 138 | Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7760-7765 | 11.5 | 172 |
| 137 | Dynamic Changes in Long-Term Exposure to Ambient Particulate Matter and Incidence of Hypertension in Adults. <i>Hypertension</i> , 2019 , 74, 669-677 | 8.5 | 26 |
| 136 | A feasible experimental framework for field calibration of portable light-scattering aerosol monitors: Case of TSI DustTrak. <i>Environmental Pollution</i> , 2019 , 255, 113136 | 9.3 | 19 |
| 135 | Assessing the Effect of the Long-Term Variations in Aerosol Characteristics on Satellite Remote Sensing of PM Using an Observation-Based Model. <i>Environmental Science & Technology</i> , 2019 , 53, 2990-3000 | 10.3 | 5 |
| 134 | The significance of incorporating unidentified vessels into AIS-based ship emission inventory. <i>Atmospheric Environment</i> , 2019 , 203, 102-113 | 5.3 | 22 |
| 133 | Efficient control of atmospheric sulfate production based on three formation regimes. <i>Nature Geoscience</i> , 2019 , 12, 977-982 | 18.3 | 30 |
| 132 | Long-Term Exposure to Ambient Fine Particulate Matter () and Lung Function in Children, Adolescents, and Young Adults: A Longitudinal Cohort Study. <i>Environmental Health Perspectives</i> , 2019 , 127, 127008 | 8.4 | 29 |
| 131 | Decomposing the Long-term Variation in Population Exposure to Outdoor PM _{2.5} in the Greater Bay Area of China Using Satellite Observations. <i>Remote Sensing</i> , 2019 , 11, 2646 | 5 | 3 |
| 130 | Indoor Exposure to Ambient Particles and Its Estimation Using Fixed Site Monitors. <i>Environmental Science & Technology</i> , 2019 , 53, 808-819 | 10.3 | 6 |
| 129 | Application of air parcel residence time analysis for air pollution prevention and control policy in the Pearl River Delta region. <i>Science of the Total Environment</i> , 2019 , 658, 744-752 | 10.2 | 6 |
| 128 | Source apportionment of fine particulate matter in Macao, China with and without organic tracers: A comparative study using positive matrix factorization. <i>Atmospheric Environment</i> , 2019 , 198, 183-193 | 5.3 | 24 |

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| 127 | Analysis of the adverse health effects of PM from 2001 to 2017 in China and the role of urbanization in aggravating the health burden. <i>Science of the Total Environment</i> , 2019 , 652, 683-695 | 10.2 | 111 |
| 126 | Potential exposure to fine particulate matter (PM _{2.5}) and black carbon on jogging trails in Macau. <i>Atmospheric Environment</i> , 2019 , 198, 23-33 | 5.3 | 13 |
| 125 | High-resolution satellite remote sensing of provincial PM _{2.5} trends in China from 2001 to 2015. <i>Atmospheric Environment</i> , 2018 , 180, 110-116 | 5.3 | 87 |
| 124 | Time Series Forecasting of Air Quality Based On Regional Numerical Modeling in Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 4175-4196 | 4.4 | 17 |
| 123 | Avoidance behavior against air pollution: evidence from online search indices for anti-PM _{2.5} masks and air filters in Chinese cities. <i>Environmental Economics and Policy Studies</i> , 2018 , 20, 325-363 | 2.2 | 31 |
| 122 | Applications of low-cost sensing technologies for air quality monitoring and exposure assessment: How far have they gone?. <i>Environment International</i> , 2018 , 116, 286-299 | 12.9 | 268 |
| 121 | Human damage assessments of coastal flooding for Hong Kong and the Pearl River Delta due to climate change-related sea level rise in the twenty-first century. <i>Natural Hazards</i> , 2018 , 92, 1011-1038 | 3 | 11 |
| 120 | Effect of long-term exposure to fine particulate matter on lung function decline and risk of chronic obstructive pulmonary disease in Taiwan: a longitudinal, cohort study. <i>Lancet Planetary Health</i> , 2018 , 2, e114-e125 | 9.8 | 134 |
| 119 | Particulate matter air pollution, physical activity and systemic inflammation in Taiwanese adults. <i>International Journal of Hygiene and Environmental Health</i> , 2018 , 221, 41-47 | 6.9 | 50 |
| 118 | Factors affecting variability in PM exposure concentrations in a metro system. <i>Environmental Research</i> , 2018 , 160, 20-26 | 7.9 | 17 |
| 117 | Eighteen-year trends of local and non-local impacts to ambient PM ₁₀ in Hong Kong based on chemical speciation and source apportionment. <i>Atmospheric Research</i> , 2018 , 214, 1-9 | 5.4 | 7 |
| 116 | High spatiotemporal characterization of on-road PM _{2.5} concentrations in high-density urban areas using mobile monitoring. <i>Building and Environment</i> , 2018 , 143, 196-205 | 6.5 | 19 |
| 115 | Long-term exposure to ambient particulate matter (PM) is associated with platelet counts in adults. <i>Environmental Pollution</i> , 2018 , 240, 432-439 | 9.3 | 19 |
| 114 | The roles of scientific research and stakeholder engagement for evidence-based policy formulation on shipping emissions control in Hong Kong. <i>Journal of Environmental Management</i> , 2018 , 223, 49-56 | 7.9 | 11 |
| 113 | 15-Year PM _{2.5} Trends in the Pearl River Delta Region and Hong Kong from Satellite Observation. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 2355-2362 | 4.6 | 17 |
| 112 | Exposure to ambient fine particulate matter and semen quality in Taiwan. <i>Occupational and Environmental Medicine</i> , 2018 , 75, 148-154 | 2.1 | 39 |
| 111 | Assessing Effect of Targeting Reduction of PM _{2.5} Concentration on Human Exposure and Health Burden in Hong Kong Using Satellite Observation. <i>Remote Sensing</i> , 2018 , 10, 2064 | 5 | 6 |
| 110 | Long-Term Exposure to Ambient Fine Particulate Matter and Chronic Kidney Disease: A Cohort Study. <i>Environmental Health Perspectives</i> , 2018 , 126, 107002 | 8.4 | 66 |

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| 109 | Long-Term Exposure to Fine Particulate Matter, Blood Pressure, and Incident Hypertension in Taiwanese Adults. <i>Environmental Health Perspectives</i> , 2018 , 126, 017008 | 8.4 | 73 |
| 108 | Difference in PM _{2.5} Variations between Urban and Rural Areas over Eastern China from 2001 to 2015. <i>Atmosphere</i> , 2018 , 9, 312 | 2.7 | 15 |
| 107 | Characterization of PM exposure concentration in transport microenvironments using portable monitors. <i>Environmental Pollution</i> , 2017 , 228, 433-442 | 9.3 | 54 |
| 106 | An intercomparison of long-term planetary boundary layer heights retrieved from CALIPSO, ground-based lidar, and radiosonde measurements over Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 3929-3943 | 4.4 | 52 |
| 105 | Radical budget and ozone chemistry during autumn in the atmosphere of an urban site in central China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 3672-3685 | 4.4 | 23 |
| 104 | An intercomparison of AOD-converted PM _{2.5} concentrations using different approaches for estimating aerosol vertical distribution. <i>Atmospheric Environment</i> , 2017 , 166, 531-542 | 5.3 | 23 |
| 103 | Satellite-based estimates of long-term exposure to fine particulate matter are associated with C-reactive protein in 30 034 Taiwanese adults. <i>International Journal of Epidemiology</i> , 2017 , 46, 1126-1136 | 7.8 | 49 |
| 102 | Quantifying the relationship between visibility degradation and PM constituents at a suburban site in Hong Kong: Differentiating contributions from hydrophilic and hydrophobic organic compounds. <i>Science of the Total Environment</i> , 2017 , 575, 1571-1581 | 10.2 | 15 |
| 101 | Assessment of health burden caused by particulate matter in southern China using high-resolution satellite observation. <i>Environment International</i> , 2017 , 98, 160-170 | 12.9 | 50 |
| 100 | Sulfate Formation Enhanced by a Cocktail of High NO _x , SO ₂ , Particulate Matter, and Droplet pH during Haze-Fog Events in Megacities in China: An Observation-Based Modeling Investigation. <i>Environmental Science & Technology</i> , 2016 , 50, 7325-34 | 10.3 | 107 |
| 99 | Sequential Measurement of Intermodal Variability in Public Transportation PM _{2.5} and CO Exposure Concentrations. <i>Environmental Science & Technology</i> , 2016 , 50, 8760-9 | 10.3 | 14 |
| 98 | Source apportionment and health effect of NO _x over the Pearl River Delta region in southern China. <i>Environmental Pollution</i> , 2016 , 212, 135-146 | 9.3 | 34 |
| 97 | Estimation of long-term population exposure to PM _{2.5} for dense urban areas using 1-km MODIS data. <i>Remote Sensing of Environment</i> , 2016 , 179, 13-22 | 13.2 | 76 |
| 96 | Assessment of satellite-based aerosol optical depth using continuous lidar observation. <i>Atmospheric Environment</i> , 2016 , 140, 273-282 | 5.3 | 9 |
| 95 | Comparison of sources of variability in school age children exposure to ambient PM ₁₀ . <i>Environmental Science & Technology</i> , 2015 , 49, 1511-20 | 10.3 | 13 |
| 94 | Characterization and source apportionment of health risks from ambient PM ₁₀ in Hong Kong over 2000-2011. <i>Atmospheric Environment</i> , 2015 , 122, 892-899 | 5.3 | 22 |
| 93 | Organic tracer-based source analysis of PM _{2.5} organic and elemental carbon: A case study at Dongguan in the Pearl River Delta, China. <i>Atmospheric Environment</i> , 2015 , 118, 164-175 | 5.3 | 44 |
| 92 | Assessing Long-Term Trend of Particulate Matter Pollution in the Pearl River Delta Region Using Satellite Remote Sensing. <i>Environmental Science & Technology</i> , 2015 , 49, 11670-8 | 10.3 | 41 |

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| 91 | Using satellite remote sensing data to estimate the high-resolution distribution of ground-level PM2.5. <i>Remote Sensing of Environment</i> , 2015 , 156, 117-128 | 13.2 | 220 |
| 90 | Satellite-Based Estimates of Long-Term Exposure to Fine Particles and Association with Mortality in Elderly Hong Kong Residents. <i>Environmental Health Perspectives</i> , 2015 , 123, 1167-72 | 8.4 | 117 |
| 89 | A comparison of HYSPLIT backward trajectories generated from two GDAS datasets. <i>Science of the Total Environment</i> , 2015 , 506-507, 527-37 | 10.2 | 86 |
| 88 | Insights into factors affecting nitrate in PM2.5 in a polluted high NOx environment through hourly observations and size distribution measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 4888-4902 | 4.4 | 41 |
| 87 | Assessment of the effect of population and diary sampling methods on estimation of school-age children exposure to fine particles. <i>Risk Analysis</i> , 2014 , 34, 2066-79 | 3.9 | 1 |
| 86 | Numerical modeling of a strong dust event over the south China region in March 2010. <i>Meteorology and Atmospheric Physics</i> , 2014 , 126, 119-138 | 2 | 6 |
| 85 | Ozone changes in response to the heavy-duty diesel truck control in the Pearl River Delta. <i>Atmospheric Environment</i> , 2014 , 88, 269-274 | 5.3 | 7 |
| 84 | Effect of nitrate and sulfate relative abundance in PM2.5 on liquid water content explored through half-hourly observations of inorganic soluble aerosols at a polluted receptor site. <i>Atmospheric Environment</i> , 2014 , 99, 24-31 | 5.3 | 38 |
| 83 | Enhancement in secondary particulate matter production due to mountain trapping. <i>Atmospheric Research</i> , 2014 , 147-148, 227-236 | 5.4 | 12 |
| 82 | Decomposition of the wind and nonwind effects on observed year-to-year air quality variation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 6207-6220 | 4.4 | 13 |
| 81 | An Observation-Based Model for Secondary Inorganic Aerosols. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 862-878 | 4.6 | 20 |
| 80 | VOCs and OVOCs distribution and control policy implications in Pearl River Delta region, China. <i>Atmospheric Environment</i> , 2013 , 76, 125-135 | 5.3 | 78 |
| 79 | Volatile organic compounds in the Pearl River Delta: Identification of source regions and recommendations for emission-oriented monitoring strategies. <i>Atmospheric Environment</i> , 2013 , 76, 162-172 | 5.3 | 40 |
| 78 | Policy change driven by an AIS-assisted marine emission inventory in Hong Kong and the Pearl River Delta. <i>Atmospheric Environment</i> , 2013 , 76, 102-112 | 5.3 | 105 |
| 77 | Characterization of secondary aerosol and its extinction effects on visibility over the Pearl River Delta Region, China. <i>Journal of the Air and Waste Management Association</i> , 2013 , 63, 1012-21 | 2.4 | 22 |
| 76 | Chemical characteristics and source apportionment of fine particulate organic carbon in Hong Kong during high particulate matter episodes in winter 2003. <i>Atmospheric Research</i> , 2013 , 120-121, 88-98 | 5.4 | 23 |
| 75 | A study of control policy in the Pearl River Delta region by using the particulate matter source apportionment method. <i>Atmospheric Environment</i> , 2013 , 76, 147-161 | 5.3 | 89 |
| 74 | Role of photoexcited nitrogen dioxide chemistry on ozone formation and emission control strategy over the Pearl River Delta, China. <i>Atmospheric Research</i> , 2013 , 132-133, 332-344 | 5.4 | 18 |

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| 73 | Science-policy interplay: Air quality management in the Pearl River Delta region and Hong Kong. <i>Atmospheric Environment</i> , 2013 , 76, 3-10 | 5-3 | 90 |
| 72 | Influence of urban morphometric modification on regional boundary-layer dynamics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 2729-2747 | 4-4 | 8 |
| 71 | Long-term measurement of daytime atmospheric mixing layer height over Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 2422-2433 | 4-4 | 57 |
| 70 | Mathematical modeling of seasonal variations in visibility in Hong Kong and the Pearl River Delta region. <i>Atmospheric Environment</i> , 2013 , 77, 803-816 | 5-3 | 4 |
| 69 | Long-term trends of ambient particulate matter emission source contributions and the accountability of control strategies in Hong Kong over 1998-2008. <i>Atmospheric Environment</i> , 2013 , 76, 21-31 | 5-3 | 44 |
| 68 | Developing a risk-based air quality health index. <i>Atmospheric Environment</i> , 2013 , 76, 52-58 | 5-3 | 69 |
| 67 | Systematic evaluation of ozone control policies using an Ozone Source Apportionment method. <i>Atmospheric Environment</i> , 2013 , 76, 136-146 | 5-3 | 45 |
| 66 | Importance of NO _x control for peak ozone reduction in the Pearl River Delta region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 9428-9443 | 4-4 | 63 |
| 65 | Dependence of Mixed Aerosol Light Scattering Extinction on Relative Humidity in Beijing and Hong Kong. <i>Atmospheric and Oceanic Science Letters</i> , 2013 , 6, 117-121 | 1-4 | 4 |
| 64 | The Pearl River Delta Regional Air Quality Monitoring Network [Regional Collaborative Efforts on Joint Air Quality Management. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 1582-1597 | 4-6 | 27 |
| 63 | An air pollution episode and its formation mechanism during the tropical cyclone Nuri's landfall in a coastal city of south China. <i>Atmospheric Environment</i> , 2012 , 54, 746-753 | 5-3 | 20 |
| 62 | Evaluation of nonlocal and local planetary boundary layer schemes in the WRF model. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 125 |
| 61 | Ozone source apportionment (OSAT) to differentiate local regional and super-regional source contributions in the Pearl River Delta region, China. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 42 |
| 60 | Chemical characteristics of PM _{2.5} and organic aerosol source analysis during cold front episodes in Hong Kong, China. <i>Atmospheric Research</i> , 2012 , 118, 41-51 | 5-4 | 22 |
| 59 | Tracking emission sources of sulfur and elemental carbon in Hong Kong/Pearl River Delta region. <i>Journal of Atmospheric Chemistry</i> , 2012 , 69, 1-22 | 3-2 | 16 |
| 58 | Examining the Impact of Nitrous Acid Chemistry on Ozone and PM over the Pearl River Delta Region. <i>Advances in Meteorology</i> , 2012 , 2012, 1-18 | 1-7 | 51 |
| 57 | Assessment of motor vehicle emission control policies using Model-3/CMAQ model for the Pearl River Delta region, China. <i>Atmospheric Environment</i> , 2011 , 45, 1740-1751 | 5-3 | 57 |
| 56 | A study of acidity on PM _{2.5} in Hong Kong using online ionic chemical composition measurements. <i>Atmospheric Environment</i> , 2011 , 45, 7081-7088 | 5-3 | 56 |

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| 55 | Urban heat island effects of the Pearl River Delta city clusters—their interactions and seasonal variation. <i>Theoretical and Applied Climatology</i> , 2011 , 103, 489-499 | 3 | 20 |
| 54 | Statistical analysis of tropical disturbances over the South China Sea during 1997–2006. <i>Journal of Ocean University of China</i> , 2011 , 10, 99-105 | 1 | 2 |
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