

# Alexis Kh Lau

## List of Publications by Citations

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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	Applications of low-cost sensing technologies for air quality monitoring and exposure assessment: How far have they gone?. <i>Environment International</i> , <b>2018</b> , 116, 286-299	12.9	268
197	Using satellite remote sensing data to estimate the high-resolution distribution of ground-level PM2.5. <i>Remote Sensing of Environment</i> , <b>2015</b> , 156, 117-128	13.2	220
196	Observed Structure and Propagation Characteristics of Tropical Summertime Synoptic Scale Disturbances. <i>Monthly Weather Review</i> , <b>1990</b> , 118, 1888-1913	2.4	209
195	An extremely low visibility event over the Guangzhou region: A case study. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 6568-6577	5.3	201
194	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> , <b>2019</b> , 116, 7760-7765	11.5	172
193	Source areas and chemical composition of fine particulate matter in the Pearl River Delta region of China. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 3802-3815	5.3	165
192	Contributions of isoprene, monoterpenes, β-caryophyllene, and toluene to secondary organic aerosols in Hong Kong during the summer of 2006. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		136
191	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> , <b>2018</b> , 2, e114-e125	9.8	134
190	Retrieval, validation, and application of the 1-km aerosol optical depth from MODIS measurements over Hong Kong. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2005</b> , 43, 2650-2658	8.1	132
189	Evaluation of nonlocal and local planetary boundary layer schemes in the WRF model. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		125
188	Identification and spatiotemporal variations of dominant PM10 sources over Hong Kong. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 1803-1815	5.3	125
187	The Energetics and Propagation Dynamics of Tropical Summertime Synoptic-Scale Disturbances. <i>Monthly Weather Review</i> , <b>1992</b> , 120, 2523-2539	2.4	119
186	Satellite-Based Estimates of Long-Term Exposure to Fine Particles and Association with Mortality in Elderly Hong Kong Residents. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 1167-72	8.4	117
185	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> , <b>2019</b> , 652, 683-695	10.2	111
184	Sulfate Formation Enhanced by a Cocktail of High NOx, SO2, Particulate Matter, and Droplet pH during Haze-Fog Events in Megacities in China: An Observation-Based Modeling Investigation. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 7325-34	10.3	107
183	Air ventilation impacts of the Wall effect resulting from the alignment of high-rise buildings. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 4982-4994	5.3	106
182	Policy change driven by an AIS-assisted marine emission inventory in Hong Kong and the Pearl River Delta. <i>Atmospheric Environment</i> , <b>2013</b> , 76, 102-112	5.3	105

181	Abundance and seasonal characteristics of elemental and organic carbon in Hong Kong PM10. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 1511-1521	5.3	100
180	Urban Modification in a Mesoscale Model and the Effects on the Local Circulation in the Pearl River Delta Region. <i>Journal of Applied Meteorology and Climatology</i> , <b>2007</b> , 46, 457-476	2.7	99
179	Seasonal characteristics and regional transport of PM in Hong Kong. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 1695-1695	5.3	94
178	Numerical simulation and process analysis of typhoon-related ozone episodes in Hong Kong. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		92
177	Source apportionment of ambient volatile organic compounds in Hong Kong. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 4138-49	10.2	91
176	Science-policy interplay: Air quality management in the Pearl River Delta region and Hong Kong. <i>Atmospheric Environment</i> , <b>2013</b> , 76, 3-10	5.3	90
175	A study of control policy in the Pearl River Delta region by using the particulate matter source apportionment method. <i>Atmospheric Environment</i> , <b>2013</b> , 76, 147-161	5.3	89
174	High-resolution satellite remote sensing of provincial PM2.5 trends in China from 2001 to 2015. <i>Atmospheric Environment</i> , <b>2018</b> , 180, 110-116	5.3	87
173	A comparison of HYSPLIT backward trajectories generated from two GDAS datasets. <i>Science of the Total Environment</i> , <b>2015</b> , 506-507, 527-37	10.2	86
172	Structure and Seasonality of Interannual and Interdecadal Variability of the Geopotential Height and Temperature Fields in the Northern Hemisphere Troposphere. <i>Journal of Climate</i> , <b>1993</b> , 6, 2063-2082	4.4	85
171	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> , <b>2021</b> , 102, 247-253	10.5	82
170	Investigation of enhanced cross-city transport and trapping of air pollutants by coastal and urban land-sea breeze circulations. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		81
169	New Era of Air Quality Monitoring from Space: Geostationary Environment Monitoring Spectrometer (GEMS). <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, E1-E22	6.1	81
168	VOCs and OVOCs distribution and control policy implications in Pearl River Delta region, China. <i>Atmospheric Environment</i> , <b>2013</b> , 76, 125-135	5.3	78
167	Visual analysis of the air pollution problem in Hong Kong. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2007</b> , 13, 1408-15	4	76
166	Estimation of long-term population exposure to PM2.5 for dense urban areas using 1-km MODIS data. <i>Remote Sensing of Environment</i> , <b>2016</b> , 179, 13-22	13.2	76
165	Long-Term Exposure to Fine Particulate Matter, Blood Pressure, and Incident Hypertension in Taiwanese Adults. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 017008	8.4	73
164	Acidity and concentrations of ionic species of PM2.5 in Hong Kong. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 1113-1124	5.3	70

163	Developing a risk-based air quality health index. <i>Atmospheric Environment</i> , <b>2013</b> , 76, 52-58	5.3	69
162	Source apportioning of primary and secondary organic carbon in summer PM <sub>2.5</sub> in Hong Kong using positive matrix factorization of secondary and primary organic tracer data. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		69
161	Size distributions of water-soluble organic carbon in ambient aerosols and its size-resolved thermal characteristics. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 1061-1071	5.3	69
160	Analysis of aerosol vertical distribution and variability in Hong Kong. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		66
159	Long-Term Exposure to Ambient Fine Particulate Matter and Chronic Kidney Disease: A Cohort Study. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 107002	8.4	66
158	Importance of NO <sub>x</sub> control for peak ozone reduction in the Pearl River Delta region. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 9428-9443	4.4	63
157	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> , <b>2019</b> , 201, 202-215	7	60
156	Source analysis of volatile organic compounds by positive matrix factorization in urban and rural environments in Beijing. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		60
155	Developing a high-resolution wind map for a complex terrain with a coupled MM5/CALMET system. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		60
154	Long-term measurement of daytime atmospheric mixing layer height over Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 2422-2433	4.4	57
153	Assessment of motor vehicle emission control policies using Model-3/CMAQ model for the Pearl River Delta region, China. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1740-1751	5.3	57
152	A study of acidity on PM <sub>2.5</sub> in Hong Kong using online ionic chemical composition measurements. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 7081-7088	5.3	56
151	Characterization of PM exposure concentration in transport microenvironments using portable monitors. <i>Environmental Pollution</i> , <b>2017</b> , 228, 433-442	9.3	54
150	The elemental and organic characteristics of PM <sub>2.5</sub> in Asian dust episodes in Qingdao, China, 2002. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 909-919	5.3	54
149	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> , <b>2017</b> , 122, 3929-3943	4.4	52
148	Numerical study on seasonal variations of gaseous pollutants and particulate matters in Hong Kong and Pearl River Delta Region. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		52
147	Examining the Impact of Nitrous Acid Chemistry on Ozone and PM over the Pearl River Delta Region. <i>Advances in Meteorology</i> , <b>2012</b> , 2012, 1-18	1.7	51
146	Particulate matter air pollution, physical activity and systemic inflammation in Taiwanese adults. <i>International Journal of Hygiene and Environmental Health</i> , <b>2018</b> , 221, 41-47	6.9	50

145	Assessment of health burden caused by particulate matter in southern China using high-resolution satellite observation. <i>Environment International</i> , <b>2017</b> , 98, 160-170	12.9	50
144	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> , <b>2017</b> , 46, 1126-1136	7.8	49
143	Integrated processes analysis and systematic meteorological classification of ozone episodes in Hong Kong. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		48
142	Systematic evaluation of ozone control policies using an Ozone Source Apportionment method. <i>Atmospheric Environment</i> , <b>2013</b> , 76, 136-146	5.3	45
141	Organic tracer-based source analysis of PM <sub>2.5</sub> organic and elemental carbon: A case study at Dongguan in the Pearl River Delta, China. <i>Atmospheric Environment</i> , <b>2015</b> , 118, 164-175	5.3	44
140	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> , <b>2013</b> , 76, 21-31	5.3	44
139	Observational and modeling analysis of a severe air pollution episode in western Hong Kong. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		44
138	Long-term exposure to ambient fine particulate matter (PM) and incident type 2 diabetes: a longitudinal cohort study. <i>Diabetologia</i> , <b>2019</b> , 62, 759-769	10.3	42
137	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> , <b>2012</b> , 117, n/a-n/a		42
136	Assessing Long-Term Trend of Particulate Matter Pollution in the Pearl River Delta Region Using Satellite Remote Sensing. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 11670-8	10.3	41
135	Insights into factors affecting nitrate in PM <sub>2.5</sub> in a polluted high NO <sub>x</sub> environment through hourly observations and size distribution measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 4888-4902	4.4	41
134	Volatile organic compounds in the Pearl River Delta: Identification of source regions and recommendations for emission-oriented monitoring strategies. <i>Atmospheric Environment</i> , <b>2013</b> , 76, 162-172	5.3	40
133	PCDD/F and dioxin-like PCB in Hong Kong air in relation to their regional transport in the Pearl River Delta region. <i>Chemosphere</i> , <b>2008</b> , 71, 211-8	8.4	39
132	Meteorological factors and COVID-19 incidence in 190 countries: An observational study. <i>Science of the Total Environment</i> , <b>2021</b> , 757, 143783	10.2	39
131	Exposure to ambient fine particulate matter and semen quality in Taiwan. <i>Occupational and Environmental Medicine</i> , <b>2018</b> , 75, 148-154	2.1	39
130	Effect of nitrate and sulfate relative abundance in PM <sub>2.5</sub> on liquid water content explored through half-hourly observations of inorganic soluble aerosols at a polluted receptor site. <i>Atmospheric Environment</i> , <b>2014</b> , 99, 24-31	5.3	38
129	Use of high-resolution MM5/CALMET/CALPUFF system: SO <sub>2</sub> apportionment to air quality in Hong Kong. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 4850-4858	5.3	38
128	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> , <b>2020</b> , 737, 140348	10.2	37

127	Effects of urbanization on the land sea breeze circulation over the Pearl River Delta region in winter. <i>International Journal of Climatology</i> , <b>2010</b> , 30, 1089-1104	3.5	37
126	Source analysis of high particulate matter days in Hong Kong. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 1196-1203	5.3	35
125	Generation of Moving Spiral Bands in Tropical Cyclones. <i>Journals of the Atmospheric Sciences</i> , <b>2002</b> , 59, 2930-2950	2.1	35
124	Source apportionment and health effect of NO <sub>x</sub> over the Pearl River Delta region in southern China. <i>Environmental Pollution</i> , <b>2016</b> , 212, 135-146	9.3	34
123	Avoidance behavior against air pollution: evidence from online search indices for anti-PM <sub>2.5</sub> masks and air filters in Chinese cities. <i>Environmental Economics and Policy Studies</i> , <b>2018</b> , 20, 325-363	2.2	31
122	Efficient control of atmospheric sulfate production based on three formation regimes. <i>Nature Geoscience</i> , <b>2019</b> , 12, 977-982	18.3	30
121	Seasonal variation of the land-sea breeze circulation in the Pearl River Delta region. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		29
120	Application of Refined Land-Use Categories for High Resolution Mesoscale Atmospheric Modelling. <i>Boundary-Layer Meteorology</i> , <b>2006</b> , 119, 263-288	3.4	29
119	Long-Term Exposure to Ambient Fine Particulate Matter (PM <sub>2.5</sub> ) and Lung Function in Children, Adolescents, and Young Adults: A Longitudinal Cohort Study. <i>Environmental Health Perspectives</i> , <b>2019</b> , 127, 127008	8.4	29
118	A Numerical Study of a Mesoscale Convective System over the Taiwan Strait. <i>Monthly Weather Review</i> , <b>2003</b> , 131, 1150-1170	2.4	27
117	The Pearl River Delta Regional Air Quality Monitoring Network – Regional Collaborative Efforts on Joint Air Quality Management. <i>Aerosol and Air Quality Research</i> , <b>2013</b> , 13, 1582-1597	4.6	27
116	Dynamic Changes in Long-Term Exposure to Ambient Particulate Matter and Incidence of Hypertension in Adults. <i>Hypertension</i> , <b>2019</b> , 74, 669-677	8.5	26
115	The relative vorticity of ocean surface winds from the QuikSCAT satellite and its effects on the genesis of tropical cyclones in the South China Sea. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , <b>2007</b> , 59, 562-569	2	25
114	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> , <b>2019</b> , 198, 183-193	5.3	24
113	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> , <b>2017</b> , 122, 3672-3685	4.4	23
112	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> , <b>2013</b> , 120-121, 88-98	5.4	23
111	An intercomparison of AOD-converted PM <sub>2.5</sub> concentrations using different approaches for estimating aerosol vertical distribution. <i>Atmospheric Environment</i> , <b>2017</b> , 166, 531-542	5.3	23
110	Characterization and source apportionment of health risks from ambient PM <sub>10</sub> in Hong Kong over 2000-2011. <i>Atmospheric Environment</i> , <b>2015</b> , 122, 892-899	5.3	22

109	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> , <b>2013</b> , 63, 1012-21	2.4	22
108	Chemical characteristics of PM <sub>2.5</sub> and organic aerosol source analysis during cold front episodes in Hong Kong, China. <i>Atmospheric Research</i> , <b>2012</b> , 118, 41-51	5.4	22
107	Mesoscale convective systems along the Meiyu front in a numerical model. <i>Meteorology and Atmospheric Physics</i> , <b>2000</b> , 75, 149-160	2	22
106	The significance of incorporating unidentified vessels into AIS-based ship emission inventory. <i>Atmospheric Environment</i> , <b>2019</b> , 203, 102-113	5.3	22
105	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> , <b>2019</b> , 673, 708-718	10.2	21
104	Long-term exposure to ambient fine particles and gastrointestinal cancer mortality in Taiwan: A cohort study. <i>Environment International</i> , <b>2020</b> , 138, 105640	12.9	20
103	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> , <b>2012</b> , 54, 746-753	5.3	20
102	An Observation-Based Model for Secondary Inorganic Aerosols. <i>Aerosol and Air Quality Research</i> , <b>2014</b> , 14, 862-878	4.6	20
101	Urban heat island effects of the Pearl River Delta city clusters—their interactions and seasonal variation. <i>Theoretical and Applied Climatology</i> , <b>2011</b> , 103, 489-499	3	20
100	Observation of PM <sub>2.5</sub> using a combination of satellite remote sensing and low-cost sensor network in Siberian urban areas with limited reference monitoring. <i>Atmospheric Environment</i> , <b>2020</b> , 227, 117410	5.3	19
99	High spatiotemporal characterization of on-road PM <sub>2.5</sub> concentrations in high-density urban areas using mobile monitoring. <i>Building and Environment</i> , <b>2018</b> , 143, 196-205	6.5	19
98	Long-term exposure to ambient particulate matter (PM) is associated with platelet counts in adults. <i>Environmental Pollution</i> , <b>2018</b> , 240, 432-439	9.3	19
97	A feasible experimental framework for field calibration of portable light-scattering aerosol monitors: Case of TSI DustTrak. <i>Environmental Pollution</i> , <b>2019</b> , 255, 113136	9.3	19
96	Mesoscale Simulation of Year-to-Year Variation of Wind Power Potential over Southern China. <i>Energies</i> , <b>2009</b> , 2, 340-361	3.1	19
95	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> , <b>2019</b> , 124, 5629-5649	4.4	18
94	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> , <b>2020</b> , 18, 134	11.4	18
93	Role of photoexcited nitrogen dioxide chemistry on ozone formation and emission control strategy over the Pearl River Delta, China. <i>Atmospheric Research</i> , <b>2013</b> , 132-133, 332-344	5.4	18
92	Role of Al <sub>x</sub> Ga <sub>1-x</sub> As buffer layer in heterogeneous integration of GaAs/Ge. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 066106	2.5	18

91	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> , <b>2020</b> , 54, 101986	10.1	18
90	Time Series Forecasting of Air Quality Based On Regional Numerical Modeling in Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 4175-4196	4.4	17
89	Factors affecting variability in PM exposure concentrations in a metro system. <i>Environmental Research</i> , <b>2018</b> , 160, 20-26	7.9	17
88	15-Year PM <sub>2.5</sub> Trends in the Pearl River Delta Region and Hong Kong from Satellite Observation. <i>Aerosol and Air Quality Research</i> , <b>2018</b> , 18, 2355-2362	4.6	17
87	Assessing PM emissions in 2020: The impacts of integrated emission control policies in China. <i>Environmental Pollution</i> , <b>2020</b> , 263, 114575	9.3	16
86	Tracking emission sources of sulfur and elemental carbon in Hong Kong/Pearl River Delta region. <i>Journal of Atmospheric Chemistry</i> , <b>2012</b> , 69, 1-22	3.2	16
85	Independent and Opposing Associations of Habitual Exercise and Chronic PM Exposures on Hypertension Incidence. <i>Circulation</i> , <b>2020</b> , 142, 645-656	16.7	16
84	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> , <b>2017</b> , 575, 1571-1581	10.2	15
83	Numerical Study of a Typhoon with a Large Eye: Model Simulation and Verification. <i>Monthly Weather Review</i> , <b>2005</b> , 133, 725-742	2.4	15
82	Statistical evidence on the impact of agricultural straw burning on urban air quality in China. <i>Science of the Total Environment</i> , <b>2020</b> , 711, 134633	10.2	15
81	Difference in PM <sub>2.5</sub> Variations between Urban and Rural Areas over Eastern China from 2001 to 2015. <i>Atmosphere</i> , <b>2018</b> , 9, 312	2.7	15
80	Sequential Measurement of Intermodal Variability in Public Transportation PM <sub>2.5</sub> and CO Exposure Concentrations. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 8760-9	10.3	14
79	Comparison of sources of variability in school age children exposure to ambient PM <sub>2.5</sub> . <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 1511-20	10.3	13
78	Decomposition of the wind and nonwind effects on observed year-to-year air quality variation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 6207-6220	4.4	13
77	The upper ocean thermal structure and the genesis locations of tropical cyclones in the South China Sea. <i>Journal of Ocean University of China</i> , <b>2007</b> , 6, 125-131	1	13
76	Abundance and sources of ambient dioxins in Hong Kong: a review of dioxin measurements from 1997 to 2001. <i>Chemosphere</i> , <b>2005</b> , 59, 1387-98	8.4	13
75	Potential exposure to fine particulate matter (PM <sub>2.5</sub> ) and black carbon on jogging trails in Macau. <i>Atmospheric Environment</i> , <b>2019</b> , 198, 23-33	5.3	13
74	Enhancement in secondary particulate matter production due to mountain trapping. <i>Atmospheric Research</i> , <b>2014</b> , 147-148, 227-236	5.4	12



73	Combined effects of increased O and reduced NO concentrations on short-term air pollution health risks in Hong Kong. <i>Environmental Pollution</i> , <b>2021</b> , 270, 116280	9.3	12
72	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> , <b>2018</b> , 92, 1011-1038	3	11
71	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> , <b>2018</b> , 223, 49-56	7.9	11
70	Observation of non-developing and developing tropical disturbances over the South China Sea using SSM/I satellite. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	11
69	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> , <b>2019</b> , 76, 488-494	2.1	10
68	Numerical simulation of a South China Sea typhoon Leo (1999). <i>Meteorology and Atmospheric Physics</i> , <b>2003</b> , 83, 147-161	2	10
67	Mitigation of CO2 emissions from international shipping through national allocation. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 045009	6.2	10
66	Multi-zone indoor CFD under limited information: An approach coupling solar analysis and BIM for improved accuracy. <i>Journal of Cleaner Production</i> , <b>2020</b> , 244, 118912	10.3	9
65	Assessment of satellite-based aerosol optical depth using continuous lidar observation. <i>Atmospheric Environment</i> , <b>2016</b> , 140, 273-282	5.3	9
64	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> , <b>2021</b> , 793, 148575	10.2	9
63	Influence of urban morphometric modification on regional boundary-layer dynamics. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 2729-2747	4.4	8
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